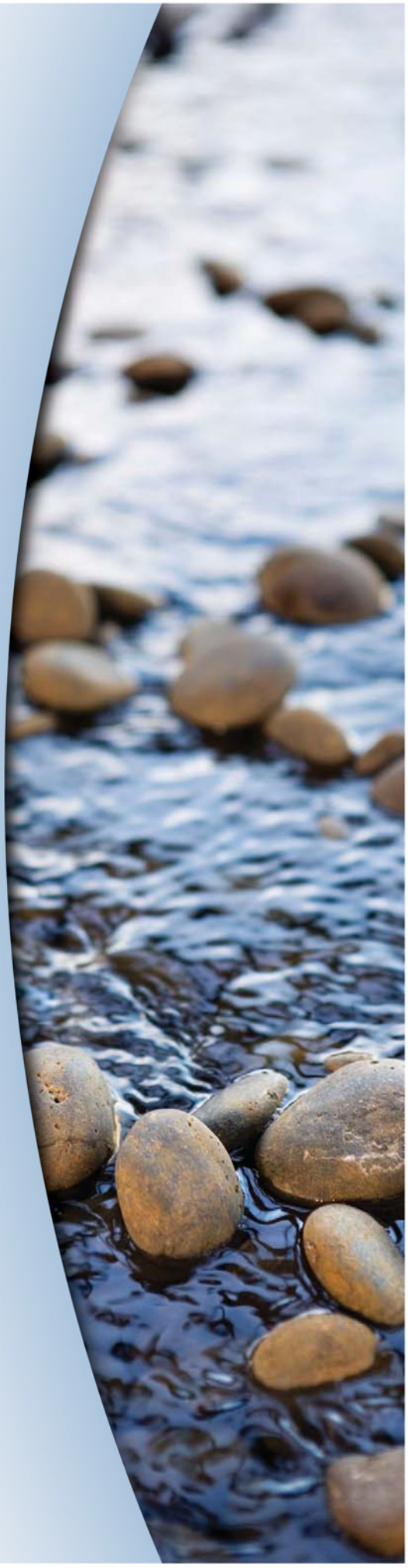
Appendix G

Hydrology and Water Quality Documentation

ESA

G-1 Preliminary Hydrology Study



PRELIMINARY HYDROLOGY STUDY FOR TRACT NO.82733

PACIFIC SQUARE

MIXED-USE DEVELOPMENT

San Gabriel, California

Prepared For

PACIFIC PLAZA PREMIER DEVELOPMENT GROUP
9661 E. Las Tunas Dr., Suite A
Temple City, CA 91780

Prepared By

Fuscoe Engineering, Inc.
600 Wilshire Blvd., Ste. 1470
Los Angeles, California 90017
213.988.8802
www.fuscoe.com

Project Manager:
Brittany Knott, PE
C-76502

Date Prepared: ~~October 3, 2019~~
Revised: December 23, 2019

Job Number: 1785.002

full circle thinking®

PRELIMINARY
HYDROLOGY/MS4 STUDY

T.G. 596-F5

TRACT NO 82733
PACIFIC SQUARE

Prepared For

PACIFIC PLAZA PREMIER DEVELOPMENT GROUP
9661 E. LAS TUNAS DR., SUITE A
TEMPLE CITY, CA 91780

Prepared By:

_____
Brittany Knott, PE
Fuscoe Engineering
600 Wilshire Blvd, Suite 1470
Los Angeles, CA 90017
RCE 76502

Prepared
~~October 7, 2019~~
Revised December 23, 2019

Table of Contents

1.0 INTRODUCTION 3
1.1 PROJECT INTRODUCTION AND BACKGROUND 3
1.2 PURPOSE OF THIS REPORT 3
1.3 REFERENCES 3
1.4 PROJECT SITE LOCATION MAP 4
2.0 EXISTING TOPOGRAPHIC & HYDROLOGIC CONDITIONS 5
2.1 EXISTING SITE LOCATION AND TOPOGRAPHY 5
2.2 EXISTING DRAINAGE PATTERN 5
2.3 EXISTING STORM DRAIN FACILITIES 5
3.0 HYDROLOGY 6
3.1 STORM FREQUENCY 6
3.2 METHODOLOGY 6
3.3 EXISTING CONDITION HYDROLOGY 6
3.4 PROPOSED CONDITION HYDROLOGY 7
4.0 PROPOSED ONSITE STORM DRAIN FACILITIES 9
5.0 MS4 STORMWATER QUALITY DESIGN 10
5.1. EXISTING SITE CONDITIONS 11
5.2. PROJECT PERFORMANCE CRITERIA 12
6.0 LOW IMPACT DEVELOPMENT (LID) 12
6.1 INFILTRATION FEASIBILITY 12
6.2 SOURCE CONTROL BMPS 13
7.0 CONCLUSIONS 13
8.0 APPENDICES 14

Appendix A Hydrology Maps
- Existing Condition Hydrology Map
- Proposed Condition Hydrology Map
- MS-4/LID Site Program

Appendix B Site Characteristics
- Los Angeles County Isohyet Map
- 85th Percentile Map
- Geotechnical Report

Appendix C Pre Development Hydrology Calculations
Appendix D Post Development Hydrology Calculations
Appendix E 85th Percentile Hydrology Calculations
Appendix F Detention Calculations

1.0 INTRODUCTION

1.1 PROJECT INTRODUCTION AND BACKGROUND

The Pacific Square San Gabriel development is a new mixed-use development on an approximate 5.85-acre site located at 700-800 South San Gabriel Boulevard. The proposed Project will develop a total of approximately 495,544 square feet (sf) of residential and commercial uses across the Project Site, as well as open space areas. In total, the Project will consist of a 5-story podium-style building comprised of 243 residential units, 8 live/work units, 69,280 sf of commercial space, and over 50,000 sf or park and plaza areas. There will be three levels of parking, with one level located underground.

The project site was previously developed as a nursey with greenhouses, two homes and storage facilities. The site has since been demolished and cleared with only selected trees remaining. The site is bounded by El Monte Street to the north, Grand Avenue to the south, Gladys Avenue to the east, and San Gabriel Boulevard to the west.

Topographically, the site is relatively flat with an approximate 1 percent slope towards the south westerly corner along San Gabriel Boulevard. The proposed project will have access points on all adjacent streets.

1.2 PURPOSE OF THIS REPORT

The purpose of this Preliminary Hydrology Report is to analyze the pre and post development hydrologic conditions, and provide an initial water quality analysis of the proposed project for CEQA purposes.

1.3 REFERENCES

Los Angeles County Hydrology Manual, January 2006

Los Angeles County LID Manual, February 2014

1.4 PROJECT SITE LOCATION MAP

The Project site is identified in red in the location map shown below.



2.0 EXISTING TOPOGRAPHIC & HYDROLOGIC CONDITIONS

2.1 EXISTING SITE LOCATION AND TOPOGRAPHY

The proposed Pacific Square San Gabriel project site is an approximate 5.85 acre site located in the City of San Gabriel, County of Los Angeles, CA. The project is located on an entire City block and is bounded by El Monte Street to the north, Grand Avenue to the south, Gladys Avenue to the east, and San Gabriel Boulevard to the west. The site has previously been demolished and topographically consists of gravel, dirt, and trees bordering the outer limits.

As determined from aerial photos, topographic maps and contour data, the site is relatively flat and gradually slopes from east to west and north to south, ultimately towards the southwest corner of the site at San Gabriel Boulevard and Grand Avenue. The site generally sits at grade with the adjacent streets.

2.2 EXISTING DRAINAGE PATTERN

The surrounding site contains two sets of curb drains located on Grand Avenue and San Gabriel Boulevard. As the site primarily drains via surface flow across the site, drainage is ultimately discharged onto Grand Ave or San Gabriel Boulevard.

Aside from the few curb drains located on Grand Avenue and San Gabriel Boulevard, there is no existing onsite drainage system. Additionally, there are no direct connections to any off-site public storm drain facilities. On-site storm water is most likely routed via surface flow downstream to a City of San Gabriel catch basin within San Gabriel Boulevard approximately 200-feet south of the intersection of Grand Avenue and San Gabriel Boulevard.

2.3 EXISTING STORM DRAIN FACILITIES

South of the property there is an existing Los Angeles County Flood Control District (LACFCD) catch basin located at the southwest corner of San Gabriel Boulevard and Grand Avenue. The catch basin drains into an existing 6-inch Vitrified Clay Pipe (VCP) storm drain lateral within San Gabriel Boulevard. From there it is routed to a 57-inch Reinforced Concrete Pipe (RCP) trunk line that flows northwest through East Mission Road and is tributary to the Rubio Wash.

North of the property there are seven existing LACFCD catch basins, four at the intersection of El Monte Street and San Gabriel Boulevard and three downstream at the intersection of El Monte Street and Gladys Avenue. The four catch basins at the intersection of El Monte and San Gabriel drain into a 42-inch RCP storm drain line within El Monte Street. The three catch basins at the intersection of El Monte and Gladys drain into a 45-inch RCP storm drain line within El Monte. This trunk line flows east through El Monte and is tributary to the Rubio Wash.

Storm drain systems in the City of San Gabriel are operated and maintained by the City Utilities Department Operations Division's sewer and storm drain section. The larger, high capacity storm drains within the City are operated and maintained by the Los Angeles County Department of Public Works (LACDPW).

3.0 HYDROLOGY

3.1 STORM FREQUENCY

Per the County of Los Angeles Hydrology Manual, all drainage facilities in developed areas not covered under the Capital Flood protection conditions must meet the Urban Flood level of protection. As defined by the County, an Urban Flood level is runoff from a 25-year frequency design storm falling on a saturated watershed. Based on these requirements for urban floods, the design storm for this project is the 25-year design storm event.

3.2 METHODOLOGY

This study was prepared using HydroCalc software in conformance with the Los Angeles County Hydrology Manual. Delta flow rates and volumes are provided for comparison purposes (see *Appendix C & D – Pre & Post Development Hydrology Calculations*).

3.3 EXISTING CONDITION HYDROLOGY

Currently, the project site drains via sheet flow over one catchment area as described in Section 2.2 (*see Appendix A – Existing Condition Hydrology Map*).

Based upon the County's guidelines, any additional runoff that exceeds that of the existing 25 year storm event must be detained onsite and released at a rate equivalent to the existing 25 year storm. The existing condition 25 year flow rates have been provided on the existing condition hydrology map (*see Appendix A - Existing Condition Hydrology Map*).

Based upon this study and as depicted in Table 3.3.1, approximately 5.85 acres *(Area A)* are tributary to San Gabriel Boulevard. This yields a 25-year event flow rate of 12.73 cubic feet per second (cfs). With the project site being a combination of mostly gravel and some greenery area, approximately 50% of the site is impervious. See Table 3.3.2 for existing storm water discharges.

Table 3.3.1

DRAINAGE AREA	DRAINAGE AREA ACREAGE	IMPERVIOUS ACREAGE	IMPERVIOUS PERCENTAGE	RUNOFF COEFFICIENT, Cd
A	5.85	4.10	50%	0.85
Onsite Total	5.85	2.93	50%	0.85

Table 3.3.2

EXISTING CONDITION DISCHARGES (CFS)						
DRAINAGE MANAGEMENT AREA	2 YEAR EVENT	5 YEAR EVENT	10 YEAR EVENT	25 YEAR EVENT	50 YEAR EVENT	OUTFALL LOCATION
A	3.31	6.46	9.12	12.73	15.55	SAN GABRIEL
Onsite Total	3.31	6.46	9.12	12.73	15.55	-

3.4 PROPOSED CONDITION HYDROLOGY

Based on the proposed site development layout and grading, the majority of the site will flow south westerly towards San Gabriel Boulevard and Grand Avenue. As described in the existing hydrology condition, the project site in large currently follows that same drainage pattern. In the proposed grading design, the north portion (A-1) of the site is designed to sheet flow easterly towards Gladys Avenue and the south portion of the site (B-1) is designed to sheet flow south westerly towards San Gabriel Boulevard. Therefore, under proposed conditions, most of the proposed project will outlet to curb and gutter via new parkway drains along Gladys Avenue, Grand Avenue or San Gabriel Boulevard. The proposed development will result in a change to the existing on-site drainage patterns, therefore new parkway drains will need to be installed to ensure stormwater runoff is routed properly. Existing parkway drains will be reutilized as able on Grand Avenue and San Gabriel boulevard. See *Appendix A – Proposed Condition Hydrology Map* for reference.

All on-site drainage will be collected in a proposed private storm drain system and treated before discharging to the public street. There will be no direct connections to any public storm drain system in the proposed design. Water quality treatment will be provided by infiltration drywells distributed throughout the project site. Refer to Section 5 of this report for Low Impact Development (LID) design.

Based upon the proposed site plan, included as shown in the Post Development Hydrology Map, an average onsite impervious ratio of 90% was determined (see *Appendix A – Post Development Hydrology Map*).

Using LA County's HydroCalc software, flow rates have been determined for the 85th, 2, 5,10, 25, & 50 year storm events *(see Table 3.4.2)*.

The project site will be divided into two (2) distinct Drainage Management Areas (DMAs) for water quality design.

Table 3.4.1

PROPOSED CONDITION DRAINAGE MANAGEMENT AREAS (DMAs)				
DRAINAGE MANAGEMENT AREA	DMA ACREAGE	IMPERVIOUS ACREAGE	IMPERVIOUS PERCENTAGE	RUNOFF COEFFICIENT, Cd
A-1	2.01	1.81	90%	0.90
B-1	3.84	3.46	90%	0.90
Onsite Total	5.85	5.27	-	-

Table 3.4.2

DRAINAGE MANAGEMENT AREA	LID EVENT	2 YEAR EVENT	5 YEAR EVENT	10 YEAR EVENT	25 YEAR EVENT	50 YEAR EVENT	OUTFALL LOCATION
A-1	0.48	1.98	3.59	4.76	5.88	7.32	TO GLADYS
B-1	0.82	3.47	6.08	7.91	10.42	12.82	TO SAN GABRIEL
Onsite Total	1.30	5.45	9.67	12.67	16.30	20.14	-

Based upon a comparison of discharge rates for the various tributary areas described above, discharges increase in the post development condition. The increase in discharges due to the project development are shown in Table 3.4.3.

Table 3.4.3

ON SITE PRE & POST DISCHARGE DIFFERENCES (CFS)					
DRAINAGE MANAGEMENT AREA	2 YEAR EVENT	5 YEAR EVENT	10 YEAR EVENT	25 YEAR EVENT	50 YEAR EVENT
EXISTING	3.31	6.46	9.12	12.73	15.55
PROPOSED	5.45	9.67	12.67	16.30	20.14
DIFFERENCE	+2.14	+3.21	+3.55	+3.57	+4.49

While there is an increase in discharge rates between the existing and proposed conditions, the implementation of detention as a part of the stormwater treatment design accounts for this increase in flow. The limiting discharge rate for the Project based on maintain existing conditions is 12.73cfs per 5.85 acres, or 2.18cfs/ac. By applying this limiting discharge rate to DMA A-1 and B-1, the allowable discharge rates are 4.28 cfs for A-1and 8.37 cfs for B-1, respectively. Based on this analysis, as shown in *Appendix F – Detention Calculations*, the amount of detention required is less than the amount of detention provided. The volume of stormwater to be treated on-site is 16,406 cubic-ft, therefore per LID requirements the necessary detention will be accounted for within the treatment system. A breakdown of the allowable discharge rate and detention can be seen below.

Table 3.4.4

DISCHARGE RATE (CFS) AND DETENTION (CF)			
DRAINAGE MANAGEMENT AREA	ALLOWABLE DISCHARGE RATE	REQUIRED DETENTION	PROVIDED DETENTION (TREATMENT DETENTION VOLUME)
A-1	4.28	1,865	5,637
B-1	8.37	3,602	10,769
Onsite Total	-	5,467	16,406

4.0 PROPOSED ONSITE STORM DRAIN FACILITIES

The City of San Gabriel, as adopted from the County of Los Angeles, enforces LID design requirements for stormwater treatments. The purpose of LID is to reuse and/or

eliminate the areas of the post-development hydrograph by reducing the peak discharge rate, volume, and duration of flow through the use of site design and stormwater quality control measures. In general, all proposed projects must maximize on-site retention of the StormWater Quality Design Volume (SWQDv) through (in hierarchal order): Infiltration, Stormwater Capture and Reuse, or Biofiltration. The impact (cost, size, etc.) of these implementations can be minimized by maximizing pervious surfaces whether by natural means such as landscape improvements or by introducing measures such as green roofing and/or permeable pavements (limitations notwithstanding).

The proposed onsite storm drain facilities will consist of infiltration drywells, which will intercept the low flows and provide water quality treatment in order to meet the LA County LID Ordinance. High flows and bypass flows will flow to San Gabriel Boulevard, Grand Avenue or Gladys Avenue via parkway culverts.

The location of all the proposed infiltration drywells will be provided onsite. All onsite storm drain facilities will be privately owned and maintained by the site developer.

5.0 MS4 STORMWATER QUALITY DESIGN

This section covers the post-construction operations of Pacific Square San Gabriel, in the City of San Gabriel, County of Los Angeles California. It has been developed as required under State Water Resources Control Board (SWRCB) Municipal NPDES Stormwater Permit for the County of Los Angeles and the Incorporated Cities of Los Angeles County (Order No. R4-2012-0175), and in accordance with good engineering practices.

This Municipal Separate Storm Sewer (MS4) Plan will identify, at a minimum, the project performance criteria specified in the Los Angeles County MS4 Permit, which details implementation of Best Management Practices (BMPs) that mitigate the project's Stormwater Quality Design Volume (SWQDv) defined as the runoff from the 85th percentile, 24-hour rain event, as determined from the Los Angeles County 85th percentile precipitation isohyetal map. BMPs selected shall rely on infiltration, bioretention, stormwater rainfall capture and use, and/or biofiltration, as feasible.

The Los Angeles County MS4 Permit requires the implementation of LID BMPs in addition to site design and source control measures. LID BMPs are engineered facilities that are designed to retain or biotreat runoff on the project site. All designated projects must detain the water quality volume on-site through infiltration, evapotranspiration, detain water runoff harvest and use, or a combination thereof unless it is demonstrated that it is technically infeasible to do so. The project is Designated Project: Redevelopment Project category.

Per the Los Angeles County LID Standards Manual, a Redevelopment Project category is defined as a project that results in the creation, addition or replacement of either: (1) 5,000 square feet or more of impervious surface on a site that was previously developed; or (2) 10,000 square feet or more of impervious surface area on a site

that was previously developed as a single family home. Because the new development will be adding more than 5,000 sf of impervious surface the project must meet County LID requirements.

The County requires execution of a maintenance agreement to be recorded by the property owner for the on-going maintenance of any privately maintained stormwater quality measures. The property owner is responsible for compliance with the maintenance agreement.

5.1. EXISTING SITE CONDITIONS

SOILS AND GROUNDWATER CONDITIONS

Based on the Preliminary Geotechnical Investigation and Infiltration Study for Storm Water Quality conducted by Albus-Keefe & Associates, Inc. on March 25, 2019 and March 22, 2019 respectively. Refer to response to City comment letters dated September 18, 2019, for additional input by Albus-Keefe & Associates.

Per the Preliminary Geotechnical Investigation Section 3.0 – Geologic Conditions. The field exploration generally indicated soils on site consisting of alluvial deposits overlain by undocumented artificial fills associated with the previous development. Based on exploratory borings, the artificial fill materials typically measure 2 to 6 feet below existing grades. Thicker portions of the artificial fill were generally observed within the central and east half of the site. However, artificial fills of greater thickness may be present within portions of the site. The artificial fill materials are generally comprised of brown silty sand and sandy silt, which are typically damp to very moist and loose to medium dense. Alluvial deposits were encountered at a max depth of 51.5 feet below ground surface, which are comprised mostly of predominantly course-grained soils with occasional fine-grained layers typically encountered at 20 to 30 feet below the ground surface. Fine-grained layers varied in thickness and were generally not consistent throughout the site. The course-grained soils typically consist of brown sand with varying amounts of silt. These deposits are typically damp to very moist, and loose to medium dense but become dense to very dense at a depth of about 10 feet beneath the ground surface.

Per the Preliminary Geotechnical Investigation Section 3.2 – Groundwater. Groundwater was not encountered during subsurface exploration to the maximum depth explored, 51.5 feet below the existing ground surface. The only exception was a perched groundwater condition in boring B-5 at 28 feet below the existing ground surface. CGS Seismic Hazard zone report 024 indicates that historical high groundwater levels for the general site area have been mapped as deep as 50 to 100 feet below the existing ground surface.

Infiltration tests were performed in accordance to the guidelines set forth by the County of Los Angeles LID Manual. Per the infiltration dry well model, the maximum design infiltration rate is approximately 1.75 inches per hour. This meets the minimum 0.3 inches per hour as required by the County, therefore infiltration of storm water is feasible and recommended for the proposed project.

5.2. PROJECT PERFORMANCE CRITERIA

As mentioned, the proposed development project must mitigate the Stormwater Quality Design Volume (SWQDv) defined as the 85th percentile depth 24-hour storm event, as determined from the Los Angeles County Hydrology GIS isohyetal map (*see Appendix B – Site Characteristics*) *(http://dpw.lacounty.gov/wrd/hydrologygis/)*.

Based on that electronic map, it was determined that the site is within the 85th percentile, 24-hour has a rainfall depth of 0.95 inches, which was used as the LID rainfall depth in the HydroCalc software for the determination of the 24-hour runoffs.

BMPs selected shall rely on infiltration, bioretention, rainfall harvest and use, and/or biofiltration, as feasible.

Due to the feasibility of infiltration, as documented earlier, the project site will utilize drywells for infiltration for treatment of storm water runoff.

6.0 LOW IMPACT DEVELOPMENT (LID)

The Pacific Square San Gabriel project will implement LID BMPs in treating the site's storm water runoff mitigation requirements. The proposed project is considered a Designated Project, since it is a large-scale redevelopment project. As recommended by the County of Los Angeles Low Impact Development Standards Manual (February 2014), the selection of LID BMPs proposed for the project must follow the following order of preference: (1) infiltration, (2) capture and reuse, (3) biofiltration, and (4) other treatment BMPs at the discretion of the Director of Public Works that demonstrate compliance with LID design requirements to the maximum extent practicable.

6.1 INFILTRATION FEASIBILITY

It has been determined by the project's Geotechnical Report that infiltration rates and soil conditions at the project site exceed County minimums and the site is suitable for infiltration BMPs.

LID hydrologic analysis was performed using the 85th percentile, 24-hour rain event, as determined from the Los Angeles County 85th percentile precipitation isohyetal map, establishing a 0.95-inch depth design. Using HydroCalc software per the LA County Hydrology Manual the SWQDv was determined.

The Municipal Separate Storm Sewer (MS4) Plan will identify, at a minimum, the project performance criteria specified in the Los Angeles County MS4 Permit, which details implementation of Best Management Practices (BMPs) that mitigate the project's Stormwater Quality Design Volume (SWQDv). BMPs selected shall rely on infiltration, bioretention, capture and reuse, and/or biofiltration, as feasible.

The table below outlines the input and output from the LA County HydroCalc software. As shown, the developed LID runoff total volume is approximately16,406 ft^3. This volume is to be infiltrated at the project site *(see Table 6.1.1). The project shall will use a* drywell system for deep infiltration on site. The areas implementing the Drywell system will be combined with a detention structure, in order to provide storage for required treatment volumes. Please refer to *Appendix A – Hydrology Maps* for the BMP locations.

Table 6.1.1

PROPOSED CONDITION LID VOLUME CALCULATIONS									
DRAINAGE AREA	DRAINAGE AREA ACREAGE	IMPERVIOUS PERCENTAGE	RUNOFF COEFFICIENT, Cd	SOIL TYPE	RAINFALL AMOUNT (in.)	FLOW PATH LENGTH (ft.)	FLOW PATH SLOPE	Tc (min.)	PROPOSED REQUIRED LID VOLUME (ft^3)
A-1	2.01	90%	.82	06	0.95	311	0.63%	21	5,637
B-1	3.84	90%	.82	06	0.95	493	0.91%	26	10,769
Total	*8.02*	--	--	--	--	--	--	--	*16,406*

6.2 SOURCE CONTROL BMPS

Hereon is a list of Source Control Measures to be implemented at the project site.
1) Storm Drain Message and Signage (S-1)
2) Outdoor Material Storage Area (S-2)
3) Outdoor Trash Storage/ Waste Handling Area (S-3)
4) Outdoor Vehicle/ Equipment Repair/ Maintenance Area (S-5)
5) Outdoor Vehicle/ Equipment/ Accessory Wash Area (S-6)
6) Fuel and Maintenance Area (S-7)
7) Landscape Irrigation Practices (S-8)
8) Building Materials (S-9)

Refer to Appendix A - Post Development LID Exhibit for site plan and placement of specific infiltration BMPs.

7.0 CONCLUSIONS

In conclusion, the proposed development's Hydrology and MS4 site program meets the design requirements as specified by the City of San Gabriel Hydrology and LID Manuals. The water quality BMPs are integrated into the site design.

8.0 APPENDICES

Appendix A Hydrology Maps

Appendix B Site Characteristics

Appendix C Pre Development Hydrology Calculations

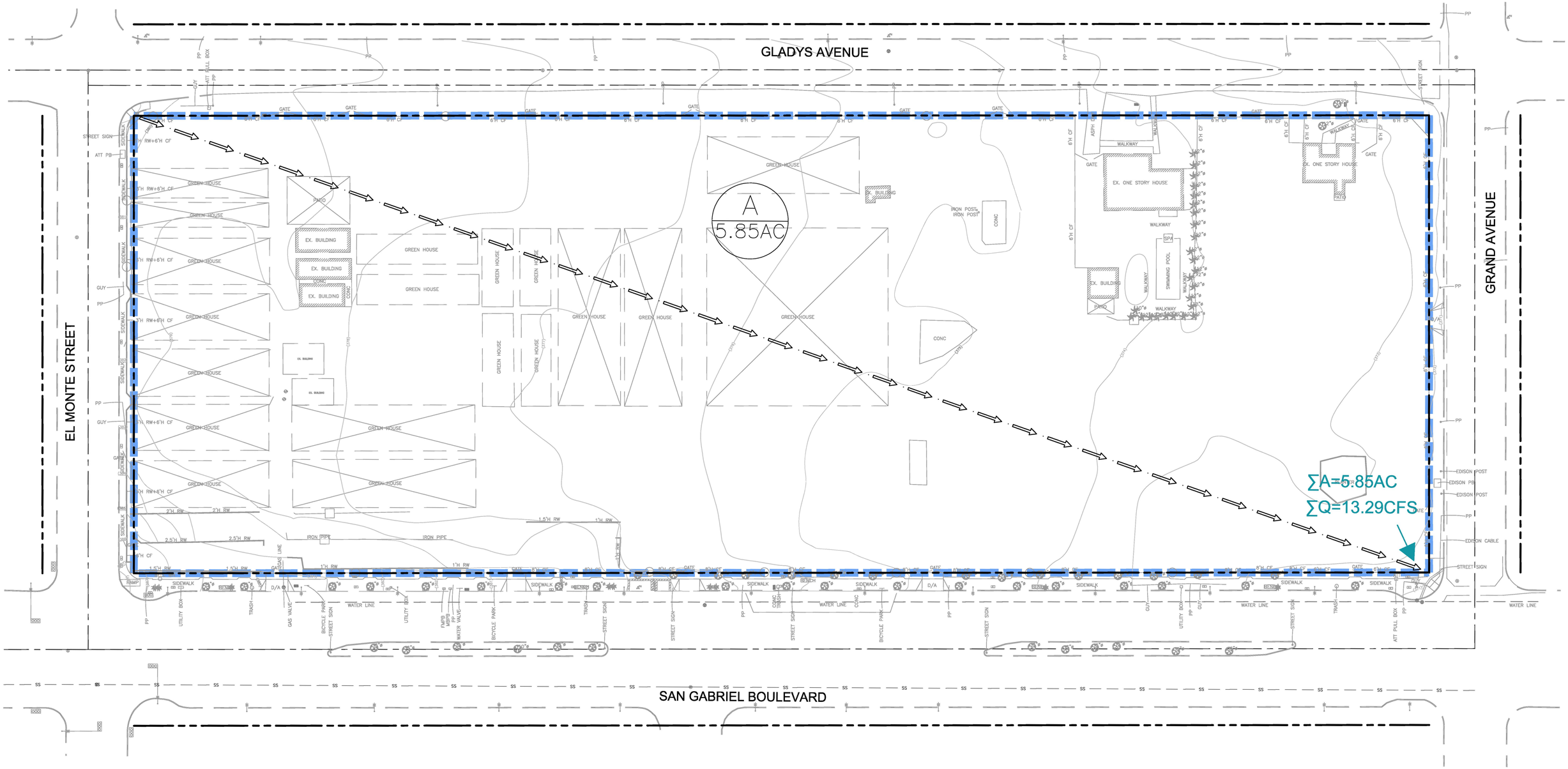
Appendix D Post Development Hydrology Calculations

Appendix E 85th Percentile Hydrology Calculations

Appendix F Detention Calculations

APPENDIX A

Hydrology Maps



HYDROLOGIC RUN-OFF CALCULATIONS

SITE PARAMETERS: 50 YR ISOHYET = 6.8 IN
85TH PERCENTILE ISOHYET = 0.95 IN
SOIL CLASSIFICATION = 006

SUB-AREA	AREA (AC)	%IMP	Q2 (CFS)	Q5 (CFS)	Q10 (CFS)	Q25 (CFS)	Q50 (CFS)
A	5.85	50%	3.31	6.46	9.12	12.73	15.55

Q's SHOWN HEREON ARE Q25 STORM EVENTS

PACIFIC SQUARE

PACIFIC PLAZA PREMIER DEVELOPMENT GROUP
VTTM 82733

EXISTING CONDITION HYDROLOGY MAP

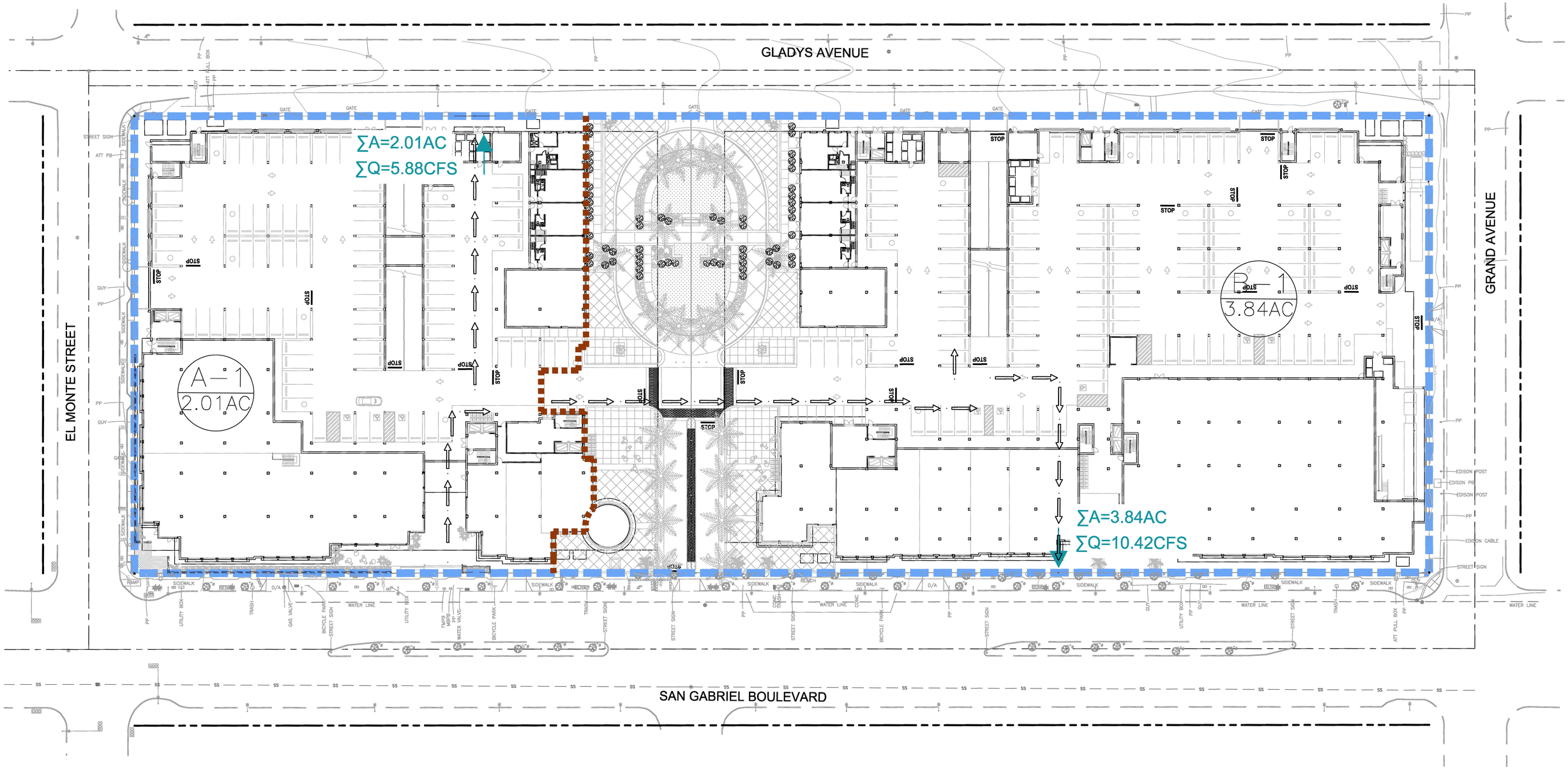
LEGEND

- PROJECT WATERSHED AREA (11.6 Ac)
- X / X.XX — SUB-AREA NUMBER / ACREAGE
- FLOW DIRECTION
- FLOW DIRECTION OF DISCHARGE POINT

30' 0' 15' 30'
SCALE: 1" = 30'

FUSCOE ENGINEERING
600 Wilshire Boulevard, Suite 1470
Los Angeles, California 90017
tel 213.988.8802 ◦ fax 213.988.8803
www.fuscoe.com

12.23.2019
1785.002



HYDROLOGIC RUN-OFF CALCULATIONS

SITE PARAMETERS: 50 YR ISOHYET = 6.8 IN
85TH PERCENTILE ISOHYET = 0.95 IN
SOIL CLASSIFICATION = 006

CAMELLIA COURT PROPOSED HYDROLOGY - 25 YEAR

SUBAREA	AREA (ac)	LENGTH (ft)	SLOPE (ft/ft)	I_{25yr}	% IMPERVIOUS	SOIL TYPE	C_u	C_d	T_c (Min)	Q (cfs)
A-1	2.01	311	0.0063	5.97	0.90	6	0.84	0.89	6	5.88
B-1	3.84	493	0.0091	5.97	0.90	6	0.83	0.89	7	10.42
									Total	16.30

Q's SHOWN HEREON ARE Q25 STORM EVENTS

PACIFIC SQUARE

PACIFIC PLAZA PREMIER DEVELOPMENT GROUP
VTTM 82733

PROPOSED CONDITION HYDROLOGY MAP

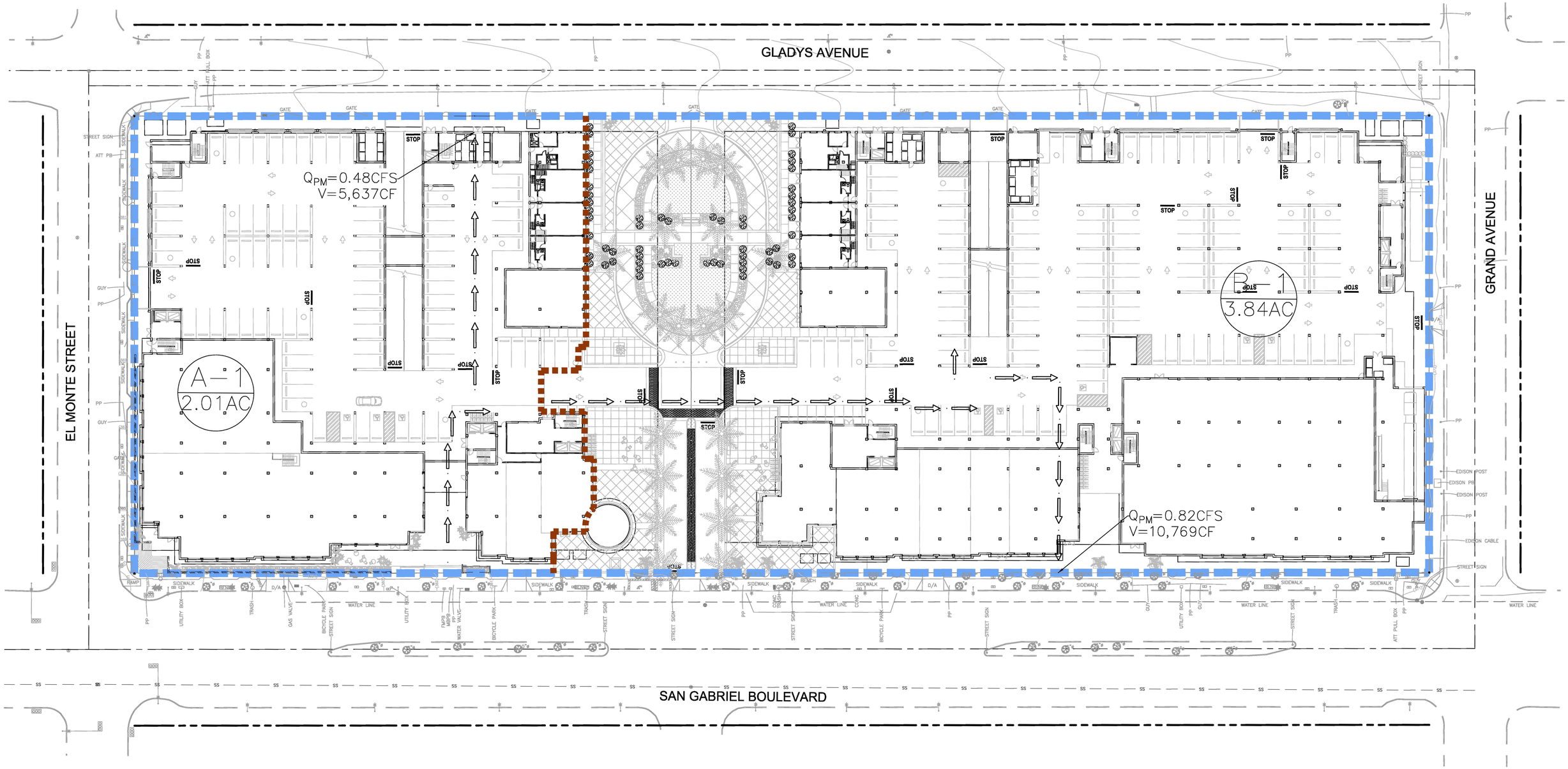
LEGEND

- PROJECT WATERSHED AREA (11.6 Ac)
- SUBAREA BOUNDARY
- X / X.XX — SUB-AREA NUMBER / ACREAGE
- FLOW DIRECTION
- FLOW DIRECTION OF DISCHARGE POINT

SCALE: 1" = 30'

FUSCOE ENGINEERING
600 Wilshire Boulevard, Suite 1470
Los Angeles, California 90017
tel 213.988.8802 ◦ fax 213.988.8803
www.fuscoe.com

12.23.2019
1785.002



HYDROLOGIC RUN-OFF CALCULATIONS

SITE PARAMETERS: 50 YR ISOHYET = 6.8 IN
85TH PERCENTILE ISOHYET = 0.95 IN
SOIL CLASSIFICATION = 006

PACIFIC SQUARE PROP HYDROLOGY - 85th Percecntile

Subarea	Area (Ac)	Length (Ft)	Slope % (Ft/Ft)	I_{85th}	% Impervious	SOIL TYPE	C_u	C_d	T_c (Min)	SWQDV (Cu-Ft)	Q_{PM} (cfs)
A-1	2.01	311	0.0063	0.95	0.90	6	0.10	0.82	21	5,637	0.48
B-1	3.84	493	0.0091	0.95	0.90	6	0.10	0.82	26	10,769	0.82
									Total	16,406	1.30

Q's SHOWN HEREON ARE Q25 STORM EVENTS

PACIFIC SQUARE

PACIFIC PLAZA PREMIER DEVELOPMENT GROUP
VTTM 82733

PROPOSED CONDITION LID PLAN

LEGEND

- PROJECT WATERSHED AREA (11.6 Ac)
- SUBAREA BOUNDARY
- X / X.XX — SUB-AREA NUMBER / ACREAGE
- FLOW DIRECTION
- FLOW DIRECTION OF DISCHARGE POINT

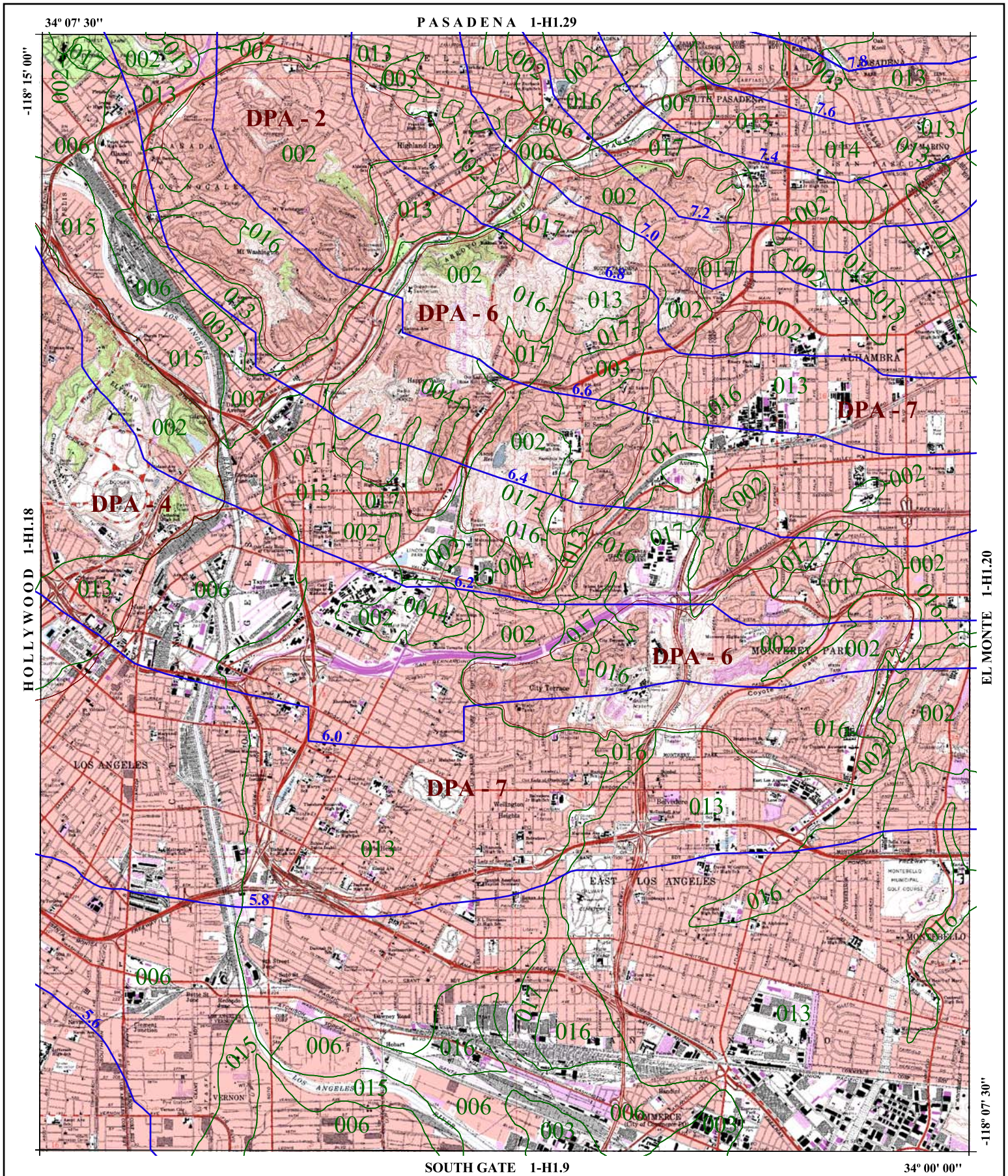
30' 0' 15' 30'
SCALE: 1" = 30'

FUSCOE ENGINEERING
600 Wilshire Boulevard, Suite 1470
Los Angeles, California 90017
tel 213.988.8802 ◦ fax 213.988.8803
www.fuscoe.com

12.23.2019
1785.002

APPENDIX B

Site Characteristics



016 — SOIL CLASSIFICATION AREA

7.2 — INCHES OF RAINFALL

DPA - 6 — DEBRIS POTENTIAL AREA

N W E S

1 0 1 2 Miles

25-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.878
10-YEAR 24-HOUR ISOHYET REDUCTION FACTOR: 0.714

LOS ANGELES
50-YEAR 24-HOUR ISOHYET

1-H1.19

LOS ANGELES COUNTY PUBLIC WORKS Public Service That Works

search our site..

Hydrology Map

A GIS viewer application to view the data for the hydrology manual.

LAYERS

- [x] 50yr Two Tenths (Rainfall)
- [ ] DPA Zones
- [x] Soils 2004
- [x] Final 85th Percentile, 24-hr Rainfall
- [ ] Final 95th Percentile, 24-hr Rainfall
- [ ] 1-year, 1-hour Rainfall Intensity

SEARCH

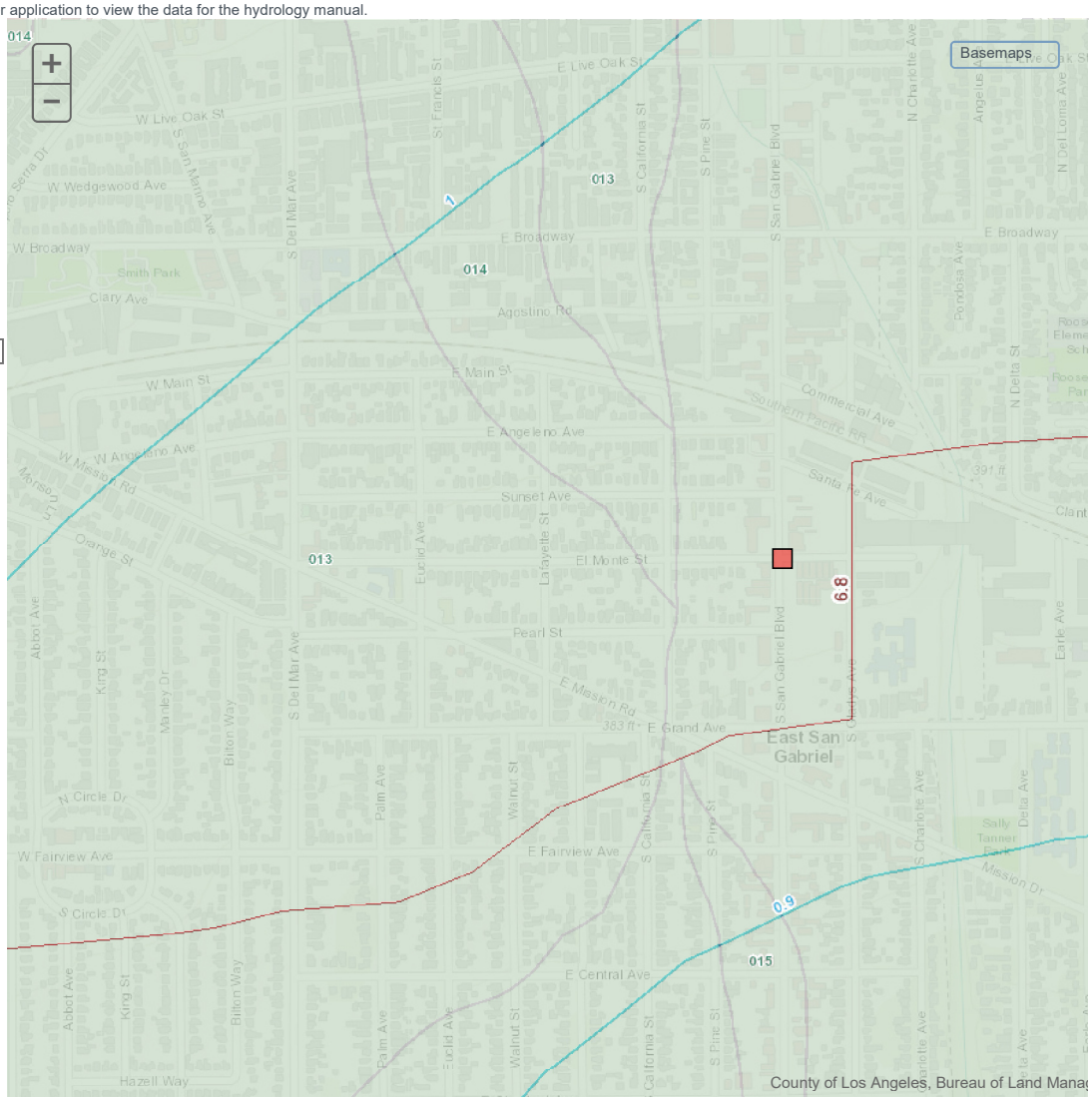
Enter Address, Cross Street, or Parcel No.:
(ex: 900 S. Fremont Ave., Fremont@Valley, 5342005904)

700 San Gabriel Blvd, 91776

Search

Address Search Results:

700 San Gabriel Blvd 91776



Map Tips

ALBUS-KEEFE & ASSOCIATES, INC.
GEOTECHNICAL CONSULTANTS

March 25, 2019
J.N.: 2798.00

Mr. Ken Lee
Pacific Plaza Premier Development Group
9661 E Las Tunas Dr, Suite A
Temple City, CA 91780

Subject: P**reliminary Geotechnical Investigation, Proposed Mixed-Use Development, 700 and 800 San Gabriel Boulevard, San Gabriel, CA, 91776.**

Dear Mr. Lee,

Pursuant to your request, ***Albus-Keefe & Associates, Inc***. is pleased to present to you our preliminary geotechnical investigation report for the subject mixed-use development. This report presents the results of our field investigation, laboratory testing, engineering analyses, as well as our preliminary geotechnical recommendations for design and construction of the subject development.

We appreciate this opportunity to be of service to you. If you have any questions regarding the contents of this report, please do not hesitate to call this office.

Sincerely,

ALBUS-KEEFE & ASSOCIATES, INC.

Paul Hyun Jin Kim
Associate Engineer

1011 North Armando Street, Anaheim CA 92806-2606 (714) 630-1626 FAX (714) 630-1916

TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 PURPOSE AND SCOPE 1
1.2 SITE LOCATION AND DESCRIPTION 1
1.3 PROPOSED DEVELOPMENT 3
2.0 INVESTIGATION 3
2.1 RESEARCH 3
2.2 SUBSURFACE EXPLORATION 3
2.3 LABORATORY TESTING 4
3.0 GEOLOGIC CONDITIONS 4
3.1 SOIL CONDITIONS 4
3.2 GROUNDWATER 5
3.3 FAULTING 5
4.0 ANALYSES 5
4.1 SEISMICITY 5
4.2 STATIC SETTLEMENT 6
5.0 CONCLUSIONS 6
5.1 FEASIBILITY OF PROPOSED DEVELOPMENT 6
5.2 GEOLOGIC HAZARDS 6
5.2.1 Ground Rupture 6
5.2.2 Ground Shaking 6
5.2.3 Liquefaction 7
5.3 STATIC SETTLEMENT 7
5.4 EARTHWORK AND MATERIAL CHARACTERISTICS 7
5.5 SHRINKAGE AND SUBSIDENCE 8
5.6 SOIL EXPANSION 8
6.0 RECOMMENDATIONS 8
6.1 EARTHWORK 8
6.1.1 General Earthwork and Grading Specifications 8
6.1.2 Pre-Grade Meeting and Geotechnical Observation 8
6.1.3 Site Clearing 8
6.1.4 Site Preparation (Removals and Overexcavations) 9
6.1.5 Fill Placement 9
6.1.6 Import Materials 10
6.1.7 Temporary Excavations 10
6.1.8 Shoring 10
6.2 SEISMIC DESIGN PARAMETERS 11
6.3 PRELIMINARY FOUNDATION DESIGN 11
6.3.1 General 11
6.3.2 Soil Expansion 12
6.3.3 Settlement 12
6.3.4 Allowable Bearing Value 12
6.3.5 Lateral Resistance 12
6.3.6 Footings and Slabs-on-Grade 13
6.3.7 Foundation Observations 13

TABLE OF CONTENTS

6.4 RETAINING/SCREEN WALLS 14
6.4.1 General 14
6.4.2 Allowable Bearing Value and Lateral Resistance 14
6.4.3 Earth Pressures 14
6.4.4 Footing Reinforcement 14
6.4.5 Footing Observations 15
6.4.6 Drainage and Moisture-Proofing 15
6.4.7 Retaining Wall Backfill 16
6.5 EXTERIOR FLATWORK 16
6.6 CONCRETE MIX DESIGN 17
6.7 PRELIMINARY PAVEMENT DESIGN 17
6.7.1 Pavement Structural Sections 17
6.7.1 Subgrade Preparation 17
6.7.2 Aggregate Base 17
6.7.3 Asphaltic Concrete 18
6.7.4 Concrete Paver 18
6.7.5 Portland Cement Concrete 18
6.8 POST GRADING CONSIDERATIONS 18
6.8.1 Site Drainage and Irrigation 18
6.8.2 Utility Trenches 19
6.9 PLAN REVIEW AND CONSTRUCTION SERVICES 20
7.0 LIMITATIONS 20
8.0 REFERENCES 22

FIGURES AND PLATES

Figure 1 - Site Location Map
Plate 1 – Geotechnical Map

APPENDICES

APPENDIX A - Exploratory Logs
Boring Logs - Plates A-1 through A-21

APPENDIX B - Laboratory Test Program
Table B-1 – Summary of Laboratory Test Results
Plates B-1 and B-2 – Grain Size Distribution Plots
Plates B-2 through B-8– Consolidation Test Plot
Plates B-9 and B-10– Direct Shear Plots

1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

The purposes of our geotechnical investigation were to evaluate geotechnical conditions within the project area and to provide preliminary conclusions and recommendations relevant to the design and construction of the proposed improvements at the subject site. The scope of this investigation included the following:

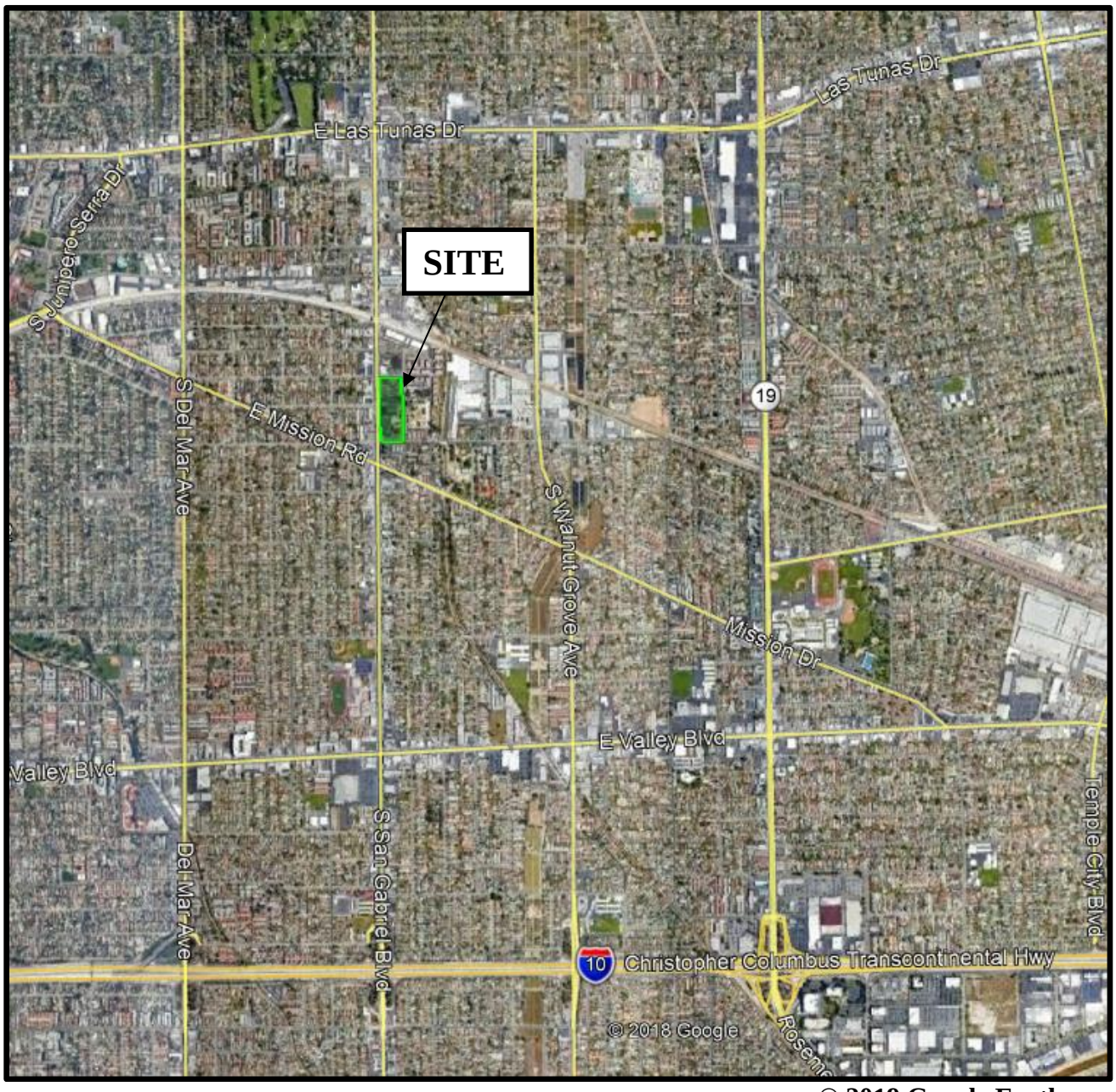
- Review of the referenced conceptual site plan
- Review of published geologic and seismic data for the site and surrounding area
- Exploratory drilling and soil sampling
- Laboratory testing of selected soil samples
- Engineering analyses of data obtained from our review, exploration, and laboratory testing
- Evaluation of site seismicity, liquefaction, and settlement potential
- Preparation of this report

1.2 SITE LOCATION AND DESCRIPTION

The site is located at 700 and 800 San Gabriel Boulevard within the city of San Gabriel, California. The property is bordered by the East El Monte Street to the north, South San Gabriel Boulevard to the west, East Grand Avenue to the south, and South Gladys Avenue to the east. The location of the site and its relationship to the surrounding areas is shown on Figure 1, Site Location Map.

The site consists of a rectangular shaped property containing approximately 5.9 acres of land and is currently an undeveloped lot. Improvements associated with the site include traces of gravel roads from previous site use and irrigation lines present within the south-eastern portion of the site. The eastern, western, and southern perimeter of the property is bounded by chain-link fencing. The northern portion of the site perimeter is bounded by a chain-link fence on top of a masonry retaining wall.

Topographically the site is relatively flat with elevations ranging from approximately 380 feet above Mean Seal Level (MSL) to approximate 373 feet above MSL descending to the southwest (based on Google Earth). Drainage is generally directed to the east and south and onto South Gladys and East Grand Avenue. Vegetation within the site consists of small shrubs and grass throughout the site. Also, mature palm trees are located within the south eastern portion of the site.



N

© 2019 Google Earth

SITE LOCATION MAP

Pacific Plaza Premier Development Group
Proposed Mixed-Use Development
700 and 800 San Gabriel Boulevard
San Gabriel, California

NOT TO SCALE

FIGURE 1

1.3 PROPOSED DEVELOPMENT

Based on the architectural site plans by Media Portfolio, the proposed development for the site will consist of two mixed use buildings with a total of 243 residential units and approximately 1,315,150 ft^2 of commercial space. Development would consist of two main buildings with one basement level for parking, one 20-foot-high ground level of retail and parking (2 levels), and four levels of residential over the retail and parking space. We anticipate the residential levels will be wood-framed and supported by a post-tension concrete podium deck. The parking and retail space are anticipated to utilize light-gauge steel framing and post-tension concrete decks.

Improvements will also consist of interior driveways and parking areas, underground utilities, and landscaping. Structural or grading plans regarding the proposed residential development were not provided to us at the time of this report.

2.0 INVESTIGATION

2.1 RESEARCH

We have reviewed the referenced geologic publications, maps and aerial photographs (see references). Data from these sources were utilized to develop some of the findings and conclusions presented herein. Based on this firm's review of the referenced aerial photos, the subject site was a nursery with several small structures at the southern and northern portions of the property and a large canopy structure at central portion of the property as early as 1994. Between 1953 and 1964, several structures were constructed at the northern portion of the site. Several structures were again constructed throughout the site between 1972 to 1980. The site has remained relatively unchanged since then.

2.2 SUBSURFACE EXPLORATION

Subsurface exploration for this investigation was conducted at the site on February 20, 2019 and February 21, 2019, and consisted of drilling eight (8) exploratory borings. The borings were drilled to maximum depths of approximately 51.5 feet below the existing ground surface utilizing a truck-mounted, hollow-stem-auger drill rig. A representative of *Albus-Keefe & Associates, In*c. logged the exploratory excavations. Visual and tactile identifications were made of the materials encountered, and their descriptions are presented on the Exploration Logs in Appendix A. The approximate locations of the exploratory excavations completed by this firm are shown on the enclosed Geotechnical Map, Plate 1.

Bulk, relatively undisturbed and Standard Penetration Test (SPT) samples were obtained at selected depths within the exploratory boring for subsequent laboratory testing. Relatively undisturbed samples were obtained using a 3-inch O.D., 2.5-inch I.D., California split-spoon soil sampler lined with brass rings. SPT samples were obtained from the boring using a standard, unlined SPT soil sampler. During each sampling interval, the sampler was driven 18 inches with successive drops of a 140-pound automatic hammer falling 30 inches. The number of blows required to advance the sampler was recorded for each six inches of advancement. The total blow count for the lower 12 inches of advancement per soil sample is recorded on the exploration log. Samples were placed in

sealed containers or plastic bags and transported to our laboratory for analyses. The borings were backfilled with auger cuttings upon completion of sampling.

Additionally, two percolation test borings, P-1 and P-2, were also excavated to approximate depths of 14.5 and 39 feet respectively. Percolation test boring P-1 was excavated in the vicinity of exploratory borings B-1 and percolation test boring P-2 was excavated in the vicinity of exploratory boring B-4 for subsequent percolation testing. The percolation test wells were later backfilled with auger cuttings upon completion of testing. Results of our percolation testing will be discussed under a separate cover.

2.3 LABORATORY TESTING

Selected samples of representative earth materials from the borings excavated at the site were tested in the laboratory. Tests consisted of in-place density and moisture, maximum density/optimum moisture, grain-size analysis, consolidation, pH, chloride content, and soluble sulfate content. Descriptions of laboratory test criteria and a summary of the test results are presented in Appendix B and on the boring logs in Appendix A.

3.0 GEOLOGIC CONDITIONS

3.1 SOIL CONDITIONS

Descriptions of the earth materials encountered during our investigations are summarized below and are presented in detail on the Exploration Logs presented in Appendix A.

Soil materials encountered at the site consist of alluvial deposits overlain by undocumented artificial fills associated with the previous site development. Based on our exploratory borings, the artificial fill materials typically measure 2 to 6 feet below existing grades. Thicker portions of the artificial fill were generally observed within the central and east half of the site. However, artificial fills of greater thickness may be present within portions of the site. The artificial fill materials are generally comprised of brown silty sand and sandy silt. These materials are typically damp to very moist and loose to medium dense.

The alluvial deposits were encountered below the artificial fill materials to the maximum depth of exploration, 51.5 feet below the ground surface (bgs). The alluvial deposits are comprised of predominantly coarse-grained soils with occasional fine-grained layers typically encountered at depths of 20 to 30 feet below the ground surface. The fine-grained layers varied in thickness and were generally not consistent throughout the site. The coarse-grained soils typically consist of brown sand with varying amounts of silt. These deposits are typically damp to very moist, and loose to medium dense but become dense to very dense at a depth of about 10 feet beneath the ground surface. The fine-grained soils typically consist of light brown and reddish-brown sandy silt, silty clay, and clayey silt. These deposits are typically damp to wet, and stiff to hard.

3.2 GROUNDWATER

Groundwater was not encountered during this firm's subsurface exploration to the maximum depth explored, 51.5 feet below the existing ground surface. A review of the CGS Seismic Hazard Zone Report 024 indicates that historical high groundwater levels for the general site area have been mapped as deep as 50 to 100 feet below the existing ground surface. Perched groundwater was observed in boring B-5 at 28 feet below the existing ground surface.

3.3 FAULTING

Geologic literature and field exploration do not indicate the presence of active faulting within the site. The site does not lie within an "Earthquake Fault Zone" as defined by the State of California in the Alquist-Priolo Earthquake Fault Zoning Act. Table 3.1 presents a summary of all the known seismically active faults within 10 miles of the site.

TABLE 3.1
Summary of Faults

Name	Distance (miles)	Slip Rate (mm/yr.)	Preferred Dip (degrees)	Slip Sense	Rupture Top (km)	Fault Length (km)
Elysian Park (Upper)	1.86	1.3	50	reverse	3	20
Raymond	2.27	1.5	79	strike slip	0	22
Verdugo	4.46	0.5	55	reverse	0	29
Sierra Madre Connected	5.77	2	51	reverse	0	76
Sierra Madre	5.77	2	53	reverse	0	57
Elsinore; W+Gi+T+J+CM	7.23	--	84	strike slip	0	241
Elsinore;W	7.23	2.5	75	strike slip	0	46
Elsinore;W+GI	7.23	--	81	strike slip	0	83
Elsinore;W+GI+T	7.23	--	84	strike slip	0	124
Elsinore;W+GI+T+J	7.23	--	84	strike slip	0	199
Clamshell-Sawpit	7.76	0.5	50	reverse	0	16
Hollywood	8.23	1	70	strike slip	0	17
Puente Hills (LA)	8.88	0.7	27	thrust	2.1	22

4.0 ANALYSES

4.1 SEISMICITY

We have performed probabilistic seismic analyses utilizing the U.S. Seismic Design Maps web application by the U.S. Geological Survey (USGS). From our analyses, we obtain a PGA of 1.021 g in accordance with Figure 22-7 of ASCE 7-10. The F_{PGA} factor for site class D is 1.0. Therefore, the PGA_M = 1.0 x 1.021 g = 1.021 g. The mean event associated with a probability of exceedance equal to 2% over 50 years has a moment magnitude of 6.62 and the mean distance to the seismic source is 4.0 miles.

4.2 STATIC SETTLEMENT

Analyses were performed to estimate the maximum static settlement due to the anticipated maximum foundation loads Results of laboratory tests, materials description, and field sampler penetration resistance (blow counts) were utilized to assign compression characteristics to the various subsurface materials. An assumed maximum column load of 750 kilo pounds (kips) and a maximum wall load of 27 kips per linear foot were used in the settlement analyses. A maximum bearing pressure of 5,000 pounds per square foot (psf) was assumed. Basement finish grade was assumed to be about 10 feet below current grade and the footing was assumed to have an embedment depth of 2 feet.

Based on our results, the existing alluvial soils are slightly to moderately compressible and exhibit the potential for collapse upon wetting. If these materials are left in place, we estimate total settlement due to these materials would likely exceed typical tolerance of the proposed mixed-use structure. Removal of the alluvial soil and placement of engineered fill was also accounted for in our analyses. Once finalized structural loads and details of footing designs are provided to us, static settlements may require re-evaluation.

5.0 CONCLUSIONS

5.1 FEASIBILITY OF PROPOSED DEVELOPMENT

From a geotechnical point of view, the proposed site improvements are considered feasible provided the recommendations presented in this report are incorporated into the design and construction of the project. Furthermore, it is also our opinion that the proposed development will not adversely impact the stability of adjoining properties if the recommendations presented in this report are incorporated into site development. Key issues that could have significant fiscal impacts on the geotechnical aspects of the proposed site development are discussed in the following sections of this report.

5.2 GEOLOGIC HAZARDS

5.2.1 Ground Rupture

No active faults are known to project through the site nor does the site lie within the boundaries of an "Earthquake Fault Zone" as defined by the State of California in the Alquist-Priolo Earthquake Fault Zoning Act. The closest known active fault is the Raymond Fault located approximately 2.27 miles from the site. As such, the potential for ground rupture due to a fault displacement beneath the sites is considered very low.

5.2.2 Ground Shaking

The site is situated in a seismically active area that has historically been affected by generally moderate to occasionally high levels of ground motion. The site lies in relatively close proximity to several active faults; therefore, during the life of the proposed improvements, the property will probably experience similar moderate to occasionally high ground shaking from these fault zones, as well as some background shaking from other seismically active areas of the Southern California region. Design and construction in accordance with the current California Building Code (CBC) requirements is anticipated to address the issues related to potential ground shaking.

5.2.3 Liquefaction

Engineering research of soil liquefaction potential (Youd, et al., 2001) indicates that generally three basic factors must exist concurrently in order for liquefaction to occur. These factors include:

- A source of ground shaking, such as an earthquake, capable of generating soil mass distortions.
- A relatively loose silty and/or sandy soil.
- A relative shallow groundwater table (within approximately 50 feet below ground surface) or completely saturated soil conditions that will allow positive pore pressure generation.

As discussed in Section 0, groundwater is not anticipated to occur within 50 feet of the ground surface during the design life of the project. As such, risks associated with liquefaction are considered low. Furthermore, the site is not located within a mapped California Geologic Survey liquefaction hazard zone. No mitigation is deemed necessary for mitigation of liquefaction hazards.

5.3 STATIC SETTLEMENT

Our analyses indicate that the alluvium at a depth of 12 feet or more below current grades if left in place would result in settlements beyond tolerable limits of the proposed structures. Therefore, we recommend that the alluvial materials at the basement grade be scarified and compacted. Provided rough grading is performed in accordance with the recommendations provided herein and based on the anticipated relatively light foundation loads, total and differential static settlements are anticipated to be less than approximately 2 inches and 1-inch over 30 feet for footings founded at a depth of 12 feet or more below current grades, respectively, for the proposed structures. These estimates are based on a maximum column load of 750 kips and a maximum wall load of 27 kips per linear foot (maximum localized bearing pressures of under 5,000 psf). Our office should be provided with foundation plans and structural loads as soon as these become available, in order to confirm our assessment of static settlement.

5.4 EARTHWORK AND MATERIAL CHARACTERISTICS

The site is underlain with 2 to 6 feet of undocumented fill that is considered unsuitable for support of improvements at ground level grade. These materials will require removal and recompaction within the areas of the site that support structures. Based on our understanding of proposed site development, the entire building is anticipated to be supported by a subterranean level that is founded at least 10 feet below current grade. As such, cuts for the subterranean level are anticipated to remove a majority of these unsuitable materials.

Existing surficial soils are anticipated to be relatively easy to excavate with conventional heavy earthmoving equipment. Removal and recompaction of the site materials will result in some minor to moderate shrinkage and subsidence. Design of site grading will require consideration of this loss when evaluating earthwork balance issues.

Site materials are generally below optimum to slightly above optimum moisture. As such, the soils will generally require the addition of minor amounts of water in preparation for reuse as compacted fill.

5.5 SHRINKAGE AND SUBSIDENCE

Volumetric changes in earth quantities will occur when excavated onsite soil materials are replaced as properly compacted fill. We estimate the existing near-surface soils will shrink approximately 10 to 20 percent. Materials within the northwest portion of the site may tend to be on the lower spectrum of shrinkage. Reprocessing of removal bottoms is anticipated to result in negligible subsidence. The estimates of shrinkage and subsidence are intended as an aid for project engineers in determining earthwork quantities. However, these estimates should be used with some caution since they are not absolute values. Contingencies should be made for balancing earthwork quantities based on actual shrinkage and subsidence that occurs during the grading process.

5.6 SOIL EXPANSION

Based on the USCS visual manual classification, the alluvial soils within the site are generally anticipated to possess a **Very Low** expansion potential. Additional testing for soil expansion will be required subsequent to rough grading and prior to construction of foundations and other concrete work to confirm these conditions.

6.0 RECOMMENDATIONS

6.1 EARTHWORK

6.1.1 General Earthwork and Grading Specifications

All earthwork and grading should be performed in accordance with all applicable requirements of the grading codes of the City of San Gabriel, California and CAL OSHA, in addition to recommendations presented herein.

6.1.2 Pre-Grade Meeting and Geotechnical Observation

Prior to commencement of earthwork operations and foundation installation, we recommend a meeting be held between City Inspector, general contractor, civil engineer, and geotechnical consultant to discuss proposed earthwork and logistics.

We also recommend that a geotechnical consultant be retained to provide soil engineering and engineering geologic services during site development. This is to observe compliance with the design specifications and recommendations, and to allow design changes in the event that subsurface conditions differ from those anticipated. If conditions are encountered during construction that appears to be different than those indicated in this report, the project geotechnical consultant should be notified immediately. Design and construction revisions may be required.

6.1.3 Site Clearing

All vegetation and deleterious materials should be removed from areas to receive fill placement. The project geotechnical consultant should be notified at the appropriate times to provide observation services during clearing operations to verify compliance with the above recommendations. Voids created by clearing should be left open for observation by the geotechnical consultant. Any unusual soil conditions or subsurface structures encountered during site clearing

and/or grading should be brought to the immediate attention of the project geotechnical consultant for corrective recommendations.

6.1.4 Site Preparation (Removals and Overexcavations)

In general, all artificial fill is considered unsuitable for support of proposed engineered fill and site improvements at street grade. These materials should be removed from proposed "structural" areas, and replaced as engineered compacted fill. The artificial fill removal depth is anticipated to be up to 6 feet and existing soils should be over-excavated to a depth of 4 feet below the bottom of footings for structures supported by conventional spread footings at street grade. Locally deeper removal may be required in the areas of previously existing improvements. The actual depth of removal should be determined by the geotechnical consultant during grading.

Within the limits of pavement and free-standing retaining walls over 3 feet in height, the existing undocumented fill soils or the upper 2 feet of alluvial soils should be removed or to a minimum depth of 1 foot below subgrade or footing, whichever is deeper.

Removal of unsuitable materials should extend laterally beyond the limits of proposed buildings a distance equal to the depth of removal (i.e. 1:1, H:V projection). Removals for retaining walls and pavement may be limited to the edge of the foundations or pavement where lateral restrictions to removals are present such as property lines.

All removal excavations should be evaluated by the geotechnical consultant during grading to confirm the exposed conditions are as anticipated and to provide supplemental recommendations if required.

Offsite improvements exist near the property lines. The presence of the existing improvements may limit removals of unsuitable materials adjacent the property lines. Special grading techniques such as slot cutting, underpinning, or other acceptable criteria may be required when grading adjacent the property lines. Specific recommendations should be developed by the geotechnical consultant based on review of detailed grading plans.

6.1.5 Fill Placement

In general, materials excavated from the site may be reused as fill provided they are free of deleterious materials and particles greater than 4 inches in maximum dimension (oversized materials). Asphaltic and concrete debris generated during site demolition can likely be reduced to no more than 4 inches in maximum dimension and incorporated within fill soils during earthwork operations. Such materials should be mixed thoroughly with fill soils to prevent nesting. All fill should be placed in lifts no greater than 8 inches in loose thickness, moisture conditioned to a uniform moisture of at least 110 percent of the optimum moisture content, then compacted in place to at least 90 percent of the laboratory standard. Each lift should be treated in a similar manner. Subsequent lifts should not be placed until the project geotechnical consultant has approved the preceding lift.

6.1.6 Import Materials

If import materials are required to achieve the proposed finish grades, the proposed import soils should have an Expansion Index (EI, ASTM D 4829) less than 21 and possess negligible soluble sulfate concentrations. Import sources should be indicated to the geotechnical consultant prior to hauling the materials to the site so that appropriate testing and evaluation of the fill materials can be performed in advance.

6.1.7 Temporary Excavations

Temporary construction slopes or trench excavation in site materials may be cut vertically up to a height of 4 feet provided that no surcharging of the excavations is present. Temporary slopes over 4 feet in height but no more than 10 feet in height should be laid back at a maximum gradient of 1:1 (H:V). Sandy materials were observed at deeper depths that are friable and prone to caving. Excavations within these sandy materials may have to be limited gradients of 1½ :1 (H:V) with no allowances of a vertical height.

Excavations should not be left open for prolonged periods of time. The project geotechnical consultant should observe all temporary cuts to confirm anticipated conditions and to provide alternate recommendations if conditions dictate. All excavations should conform to the requirements of CAL OSHA.

Where temporary excavations cannot accommodate a 1½:1 (H:V) layback or where surcharging occurs, shoring, slot cutting, underpinning, or other methods should be used. Specific recommendations for other options if considered should be provided by the geotechnical consultant based on review of the final design plans.

6.1.8 Shoring

Excavation for the subterranean portion of the building is anticipated to require shoring due to insufficient space to lay back excavations in certain portions of the site. Particularly along the north, east and south property lines, the planned basement will be less than 10 feet from the property line. Shoring can be provided using various methods such soldier piles/H-beams and lagging, or slide rail systems.

The active pressure for shoring design should be computed based on equivalent fluid pressure EFP=32 pounds per cubic foot (pcf) for level backfill. If surcharge is to be considered, coefficient of lateral pressure 0.26 should be applied to the surcharge. Passive capacity should be computed using ultimate passive pressure based on EFP=480 pcf. The structural engineer should apply appropriate factors of safety to the ultimate passive pressure based on the allowable deflection. Where shoring will support no sensitive structures, a factor of safety equal to 2 is typical. Where the shoring will support structures sensitive to deflection, a factor of safety equal to 3 or more is typically used. To take into consideration the three-dimensional (3-D) effect, up to three times the resulting allowable pressure can be used. If the shoring faces a descending slope, passive pressure should be reduced by 50%. If the procedure used for design of shoring system requires a point of fixity, this point should be considered at depth 2.5 times the diameter of the pile, measured from the lowest grade in front of the shoring system.

All components of the shoring system should be designed by the project shoring engineer. Surcharge loads from construction activities, traffic, and existing offsite developments should be taken into account.

As discussed in Section 3.2 of the present report, shallow groundwater is not expected at the site. However, the potential for seepage due to thin perched zones cannot be precluded

Shafts for solider piles will be prone to caving. As such, casing or drilling fluid will likely be required to advance the shafts. Due to the friable nature of underlying natural soils, lagging should be installed at increments of no more than 2 vertical feet. If the cuts are prone to sloughing before lagging can be installed, then lagging should be installed at more frequent intervals. The entire height of the cut should be lagged once completed.

Shoring plans should be reviewed by the geotechnical consultant to verify their compliance with the information and recommendations provided in the present report. Representatives of the geotechnical consultant should observe the construction of the shoring system.

6.2 SEISMIC DESIGN PARAMETERS

For design of the project in accordance with Chapter 16 of the 2016 CBC, seismic design factors are provided in Table 6.2

6.3 PRELIMINARY FOUNDATION DESIGN

6.3.1 General

The following recommendations are provided for preliminary design purposes. These recommendations have been based on the site materials exposed during our investigation, our understanding of the proposed development, and the assumption that the recommendations presented herein are incorporated into the design and construction of the project. Final recommendations should be provided by the project geotechnical consultant following review of final foundation plans as well as observation and testing of site materials during grading. Depending upon the design plans and actual site conditions, the recommendations provided herein may require modification.

TABLE 6.2
2016 CBC Seismic Design Parameters

	Value
Site Class	D
Mapped MCE Spectral Response Acceleration, short periods, S_S	2.714
Mapped MCE Spectral Response Acceleration, at 1-sec. period, S_1	0.938
Site Coefficient, Fa	1.0
Site Coefficient, Fv	1.5
Adjusted MCE Spectral Response Acceleration, short periods, S_{MS}	2.714
Adjusted MCE Spectral Response Acceleration, at 1-sec. period, S_{M1}	1.407
Design Spectral Response Acceleration, short periods, S_{DS}	1.81
Design Spectral Response Acceleration, at 1-sec. period, S_{D1}	0.938

MCE = Maximum Considered Earthquake

6.3.2 Soil Expansion

Expansion potential of existing site materials is expected to be **Very Low** (EI<21). Following site grading, additional testing of site soils should be performed by the project geotechnical consultant to confirm the basis of these recommendations. If site soils with higher expansion potentials are encountered or imported to the site, the recommendations contained herein may require modification.

6.3.3 Settlement

Foundations should be designed for total and differential static settlement up to 2 inches and 1 inch over 30 feet, respectively. These estimated magnitudes of settlement should be considered by the structural engineer in design of the proposed structures at the site.

6.3.4 Allowable Bearing Value

Provided foundations are bearing into engineered fill or competent alluvial soils, a bearing value of 3,000 pounds per square foot (psf) may be used for continuous and isolated footings founded at a minimum depth of 12 inches below the lowest adjacent grade and having a minimum width of 12 inches and 24 inches, respectively. This value may be increased by 350 psf and 750 psf for each additional foot in width and depth, respectively, up to a maximum value of 5,000 psf. Recommended allowable bearing values include both dead and live loads, and may be increased by one-third for wind and seismic forces.

6.3.5 Lateral Resistance

Provided site grading is performed and that foundations are founded in engineered fill or competent native soils, a passive earth pressure of 250 pounds per square foot per foot of depth (psf/ft) up to a maximum value of 2,250 pounds per square foot (psf) may be used to determine lateral bearing for footings. This value may be increased by one-third when designing for wind and seismic forces. A coefficient of friction of 0.4 times the dead load forces may also be used between concrete and the supporting soils to determine lateral sliding resistance. No increase in the coefficient of friction should be used when designing for wind and seismic forces.

The above values are based on footings placed directly against compacted fill or competent native soils. In the case where footing sides are formed, all backfill against the footings should be compacted to at least 90 percent of the laboratory standard.

6.3.6 Footings and Slabs-on-Grade

Exterior continuous building footings should be founded at a minimum depth of 12 inches. Interior bearing wall footings should be founded at a minimum depth of 12 inches below the lowest adjacent finish grade. Continuous footings should be reinforced with a minimum of two No. 4 bars, one (1) near the top and one (1) near the bottom. The structural engineer may require different reinforcement and should dictate if greater than the recommendations presented herein.

Isolated pad footings should be a minimum of 24 inches square and founded at a minimum depth of 12 inches below the lowest adjacent final grade.

Interior concrete slabs constructed on grade should have a minimum thickness of 4 inches. Interior slabs subject to vehicular loading should have a minimum thickness of 5 inches and should be reinforced with No. 3 bars spaced 18 inches both ways. Care should be taken to ensure the placement of reinforcement at mid-slab height. The structural engineer may recommend a greater slab thickness and reinforcement based on proposed use and loading conditions and such recommendations should govern if greater than the recommendations presented herein.

Concrete floor slabs in areas to receive carpet, tile, or other moisture sensitive coverings should be underlain with a minimum of 10-mil moisture vapor retarder conforming to ASTM E 1745, Class A. The membrane should be properly lapped, sealed, and underlain with at least 2 inches of sand having a sand equivalent (SE) no less than 30. One inch of the sand may be placed over the vapor barrier for protection during construction. This vapor retarder system is anticipated to be suitable for most flooring finishes that can accommodate some vapor emissions. However, this system may emit more than 4 pounds of water per 1,000 sq. ft. and therefore, may not be suitable for all flooring finishes. Additional steps should be taken if such vapor emission levels are too high for anticipated flooring finishes.

Special consideration should be given to slabs in areas to receive ceramic tile or other rigid, crack-sensitive floor coverings. Design and construction should mitigate hairline cracking through the use of additional reinforcing and careful control of concrete slump.

Block-outs should be provided around interior columns to permit relative movement and mitigate distress to the floor slabs due to differential settlement that will occur between column footings and adjacent floor subgrade soils as loads are applied.

Prior to placing concrete, subgrade soils below slab-on-grade areas should be thoroughly moistened to at least 110 percent of optimum moisture content to a depth of 12 inches.

6.3.7 Foundation Observations

Foundation excavation should be observed by the project geotechnical consultant to verify that they have been excavated into competent bearing soils and to the minimum embedment recommended above. These observations should be performed prior to placement of forms or reinforcement. The

excavations should be trimmed neat, level and square. Loose, sloughed or moisture-softened materials and debris should be removed prior to placing concrete.

6.4 RETAINING/SCREEN WALLS

6.4.1 General

The following preliminary design and construction recommendations are provided for general retaining and screen walls. Final wall designs specific to the site development should be provided for review once completed. The structural engineer and architect should provide appropriate recommendations for sealing at all joints and applying moisture-proofing material on the back of the walls.

6.4.2 Allowable Bearing Value and Lateral Resistance

Design of retaining and screen walls may utilize the bearing and lateral resistance values provided in Section 6.3.4 and 6.3.5. Lateral resistance for walls along property lines, where lateral removals are restricted should be reduced by 50%.

6.4.3 Earth Pressures

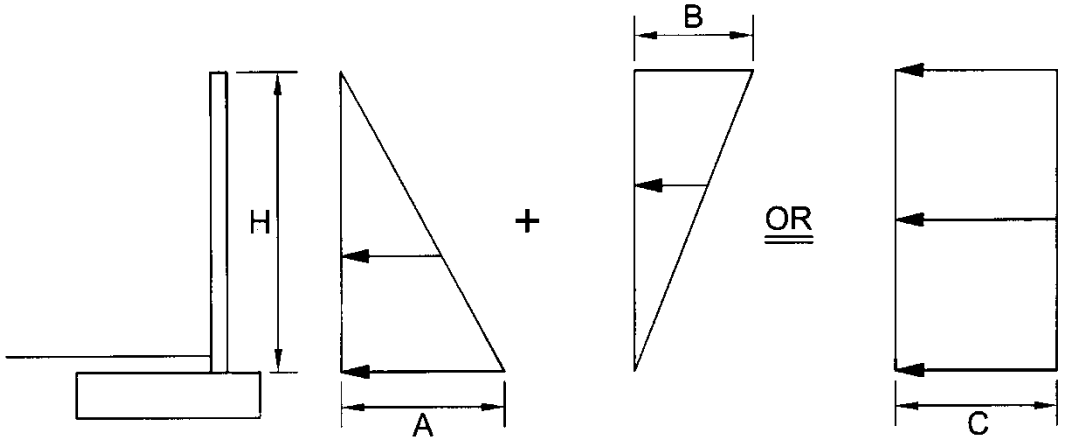
Static and seismic earth pressures for level and 2:1 (H:V) backfill conditions are provided in Table 6.3. Seismic earth pressures provided herein are based on the method provided by Seed & Whitman (1970) for active condition and Wood (1973) for at-rest condition, both using a peak ground acceleration (PGA) of 0.54g for probability of exceedance of 10% in 50 years. Active condition relates to the un-restrained retaining wall condition where the wall is free to rotate about its base. The at-rest condition should apply to cases where the wall is restrained from rotation, such as the subterranean walls where the movement is restricted by the structural floor members. As indicated in Section 1803.5.12 of the 2016 CBC, retaining walls supporting 6 feet of backfill or less are not required to be designed for seismic earth pressures. In addition, the values are based on drained backfill conditions and do not consider hydrostatic pressure. Furthermore, retaining walls should be designed to support adjacent surcharge loads imposed by other nearby footings or traffic loads in addition to the earth pressure.

6.4.4 Footing Reinforcement

All continuous footings should be reinforced with a minimum of two No. 4 bars, one top and one bottom. The structural engineer may require different reinforcement and should dictate if greater than the recommendations provided herein. Where removal of unsuitable soils is limited, additional reinforcing may by required. Specific recommendations should be provided by the geotechnical consultant after review of the final grading plans or as may be recommended after completion of site grading.

TABLE 6.3

SEISMIC EARTH PRESSURES
Pressure Diagram



Static Component | Seismic Component | Total Force

Earth Pressure Values

Value	Active Condition (Unrestrained)		At-Rest Condition (Restrained)
	Level	2H:1V Slope	Level
A	39H	72H	65H
B	17H	17H	30H
C	28H	45H	48H

Note:
H is in feet and resulting pressure is in psf. Design may utilize either the sum of the static component and the seismic component force diagrams or the total force diagram above. SEAOSC has suggested using a load factor of 1.7 for the static component and 1.0 for the seismic component. The actual load factors should be determined by the structural engineer.

6.4.5 Footing Observations

Footing excavations should be observed by the project geotechnical consultant to verify that they have been excavated into competent bearing soils and to the minimum embedment recommended herein. These observations should be performed prior to placement of forms or reinforcement. The excavations should be trimmed neat, level, and square. Loose, sloughed or moisture-softened materials and debris should be removed prior to placing concrete.

6.4.6 Drainage and Moisture-Proofing

Exterior retaining walls that may be affected by hydraulic surcharge from rainfall, irrigation or uncontrolled surface runoff and supporting more than 3 feet of fill should be constructed with a perforated pipe and gravel subdrain to prevent entrapment of water in the backfill. The perforated pipe should consist of 4-inch-diameter, ABS SDR-35 or PVC Schedule 40 with the perforations laid

down. The pipe should be embedded in ¾- to 1½-inch open-graded gravel wrapped in filter fabric. The gravel should be at least one foot wide and extend at least one foot up the wall above the footing and drainage outlet. Drainage gravel and piping should not be placed below outlets and weepholes. Filter fabric should consist of Mirafi 140N, or equal. Outlet pipes should be directed to positive drainage devices.

The use of weepholes may be considered in locations where aesthetic issues from potential nuisance water are not a concern. Weepholes should be 2 inches in diameter and provided at least every 6 feet on center. Where weepholes are used, perforated pipe may be omitted from the gravel subdrain.

Retaining walls supporting backfill should also be coated with a moisture-proofing compound or covered with such material to inhibit infiltration of moisture through the walls. Moisture-proofing material should cover any portion of the back of wall that will be in contact with soil and should lap over and cover the top of footing. A drainage blanket such as Mirafi Miradrain should be provided between the soil and the moisture-proofing materials. The drainage blanket should extend from the top of the gravel to within about 12 inches of finish grade. The top of footing should be finished smooth with a trowel to inhibit the infiltration of water through the wall. The project structural engineer should provide specific recommendations for moisture-proofing, water stops, and joint details.

6.4.7 Retaining Wall Backfill

Onsite soils may generally be used for backfill of retaining walls provided they are free of deleterious materials and particles greater than 4 inches in maximum dimension. The project geotechnical consultant should approve all backfill used for retaining walls. Wall backfill should be moisture-conditioned to slightly over the optimum moisture content; placed in lifts no greater than 12 inches in thickness, and then mechanically compacted with appropriate equipment to at least 90 percent of the laboratory standard. Hand-operated compaction equipment should be used to compact the backfill placed immediately adjacent the wall to avoid damage to the wall. Flooding or jetting of backfill material is not recommended.

6.5 EXTERIOR FLATWORK

Exterior flatwork should have a nominal thickness of 4 inches. Cold joints or saw cuts should be provided at least every 15 feet in each direction. Special jointing detail should be provided in areas of block-outs, notches, or other irregularities to avoid cracking at points of high stress. Subgrade soils below flatwork should be thoroughly moistened to a moisture content of at least 110 percent of the optimum moisture content to a depth of 12 inches. Moistening should be accomplished by lightly spraying the area just prior to placing concrete.

Drainage from flatwork areas should be directed to local area drains and/or other appropriate collection devices designed to carry runoff water to the street or other approved drainage structures. The concrete flatwork should also be sloped at a minimum gradient of 0.5 percent away from building foundations and retaining walls.

6.6 CONCRETE MIX DESIGN

Laboratory testing of onsite soil indicates **negligible** soluble sulfate content. Concrete designed to follow the procedures provided in ACI 318, Section 4.3, Table 4.3.1 for negligible sulfate exposure are anticipated to be adequate for mitigation of sulfate attack on concrete. Upon completion of rough grading, an evaluation of as-graded conditions and further laboratory testing will be required for the site to confirm or modify the conclusions provided in this section.

6.7 PRELIMINARY PAVEMENT DESIGN

6.7.1 Pavement Structural Sections

Based on the soil conditions present at the site and estimated traffic index, preliminary pavement structural sections are recommended in Table 6.4 below. Soil conditions vary significantly with respect to R-value. An assumed "R-value" of 30 was used for this preliminary pavement design to represent the typical condition we anticipate to be present following site grading. The sections provided below are for planning purposes only and should be re-evaluated subsequent to site grading. Final pavement sections should be based on actual R-value testing of in-place soils and analysis of anticipated traffic.

TABLE 6.4
PRELIMINARY PAVEMENT STRUCTURAL SECTIONS

Location	Traffic Index	AC (inches)	Concrete Pavers (mm)	PCC (inches)	AB (inches)
Parking Level Entry Way	6.0	3.0	--	--	9.0
		--	--	7.0	--
		--	80.0	--	10.0
Pick up – Drop Off	5.5	3.0	--	--	8.0
		--	80.0	--	8.0
		--	--	6.0	--
Parking Stalls	--	3.0	--	--	4.0

6.7.1 Subgrade Preparation

Prior to placement of paving elements, subgrade soils should be scarified 6 inches, moisture-conditioned to at least 110 percent of the optimum moisture content then compacted to at least 90 percent of the maximum dry density determined in accordance with ASTM D1557. Areas observed to pump or yield under vehicle traffic should be removed and replaced with firm and unyielding engineered compacted soil or aggregate base materials.

6.7.2 Aggregate Base

Aggregate base materials should be Crushed Aggregate Base or Crushed Miscellaneous Base conforming to Section 200-2 of the Standard Specification for Public Works Construction (Greenbook) or Class 2 Aggregate Base conforming to the Caltrans' Standard Specifications. The

materials should be moisture conditioned to slightly over the optimum moisture content then compacted to at least 95 percent of ASTM D 1557.

6.7.3 Asphaltic Concrete

Paving asphalt should be PG 64-10 conforming to the requirements of Section 203-1 of the Greenbook. Asphalt concrete materials should conform to Section 203-6 and construction should conform to Section 302 of the Greenbook.

6.7.4 Concrete Paver

Concrete pavers should conform to the requirements of ASTM C 936. Construction of the pavers, including bedding sand, should follow manufacturer's specifications. Typical thickness of bedding sand is about 1 inch. The gradation of bedding sand should meet the requirement in Table 6.5.

TABLE 6.5
Gradation for Sand Bedding

Sieve Size	Percent Passing
⅜"	100
No. 4	95 - 100
No. 8	80 - 100
No. 16	50 - 85
No. 30	25 - 60
No. 50	5 - 30
No. 100	0 - 10
No. 200	0 - 1

6.7.5 Portland Cement Concrete

Portland cement concrete used to construct concrete paving should conform to Section 201 of the Greenbook and should have a minimum compressive strength of 3250 pounds per square inch (psi) at 28 days. Reinforcement and jointing of concrete pavement sections should be designed according to the minimum recommendations provided by the Portland Cement Association (PCA). For rigid pavement, transverse and longitudinal contraction joints should be provided at spacing no greater than 15 feet. Score joints may be constructed by saw cutting to a depth of ¼ of the slab thickness. Expansion/cold joints may be used in lieu of score joints. Such joints should be properly sealed. Where traffic will traverse over cold joints without keyways or dowels or edges of concrete paving, the edges should be thickened by 20% of the design thickness toward the edge over a horizontal distance of 5 feet.

6.8 POST GRADING CONSIDERATIONS

6.8.1 Site Drainage and Irrigation

The ground immediately adjacent to foundations should be provided with positive drainage away from the structures in accordance with 2016 CBC, Section 1804.3. The gradient of the ground surface may be reduced to 2% for soils and climatic reasons. No rain or excess water should be allowed to pond against structures such as walls, foundations, flatwork, etc.

Excessive irrigation water can be detrimental to the performance of the proposed site development. Water applied in excess of the needs of vegetation will tend to percolate into the ground. Such percolation can lead to nuisance seepage and shallow perched groundwater. Seepage can form on slope faces, on the faces of retaining walls, in streets, or other low-lying areas. These conditions could lead to adverse effects such as the formation of stagnant water that breeds insects, distress or damage of trees, surface erosion, slope instability, discoloration and salt buildup on wall faces, and premature failure of pavement. Excessive watering can also lead to elevated vapor emissions within buildings that can damage flooring finishes or lead to mold growth inside the home.

Key factors that can help mitigate the potential for adverse effects of overwatering include the judicious use of water for irrigation, use of irrigation systems that are appropriate for the type of vegetation and geometric configuration of the planted area, the use of soil amendments to enhance moisture retention, use of low-water demand vegetation, regular use of appropriate fertilizers, and seasonal adjustments of irrigation systems to match the water requirements of vegetation. Specific recommendations should be provided by a landscape architect or other knowledgeable professional.

6.8.2 Utility Trenches

Trench excavations should be constructed in accordance with the recommendations contained in Section 6.1.7 of this report. Trench excavations must also conform to the requirements of Cal/OSHA.

Trench backfill materials and compaction criteria should conform to the requirements of the local municipalities. As a minimum, utility trench backfill should be compacted to at least 90 percent of the laboratory standard. Materials placed within the pipe zone (6 inches below and 12 inches above the pipe) should consist of particles no greater than ¾ inches and have a SE of at least 30. The materials within the pipe zone should be moisture-conditioned and compacted by hand-operated compaction equipment. Above the pipe zone (>1 foot above pipe), the backfill may consist of general fill materials. Trench backfill should be moisture-conditioned to slightly over the optimum moisture content, placed in lifts no greater than 12 inches in thickness, and then mechanically compacted with appropriate equipment to at least 90 percent of the laboratory standard. For trenches with sloped walls, backfill material should be placed in lifts no greater than 8 inches in loose thickness, and then compacted by rolling with a sheepsfoot roller or similar equipment. The project geotechnical consultant should perform density testing along with probing to verify that adequate compaction has been achieved.

Within shallow trenches (less than 18 inches deep) where pipes may be damaged by heavy compaction equipment, imported clean sand having a SE of 30 or greater may be utilized. The sand should be placed in the trench, thoroughly watered, and then compacted with a vibratory compactor. For utility trenches located below a 1:1 (H:V) plane projecting downward from the outside edge of the adjacent footing base or crossing footing trenches, concrete or slurry should be used as trench backfill.

6.9 PLAN REVIEW AND CONSTRUCTION SERVICES

We recommend ***Albus-Keefe & Associates, Inc.*** be engaged to review any future development plans, including foundation plans prior to construction. This is to verify that the assumptions of this report are valid and that the preliminary conclusions and recommendations contained in this report have been properly interpreted and are incorporated into the project plans and specifications. If we are not provided the opportunity to review these documents, we take no responsibility for misinterpretation of our preliminary conclusions and recommendations.

We recommend that a geotechnical consultant be retained to provide soil engineering services during construction of the project. These services are to observe compliance with the design, specifications or recommendations, and to allow design changes in the event that subsurface conditions differ from those anticipated prior to the start of construction.

If the project plans change significantly from the assumed development described herein, the project geotechnical consultant should review our preliminary design recommendations and their applicability to the revised construction. If conditions are encountered during construction that appear to be different than those indicated in this report or subsequent design reports, the project geotechnical consultant should be notified immediately. Design and construction revisions may be required.

7.0 LIMITATIONS

This report is based on the proposed development and geotechnical data as described herein. The materials encountered on the project site, described in other literature, and utilized in our laboratory testing for this investigation are believed representative of the total project area, and the conclusions and recommendations contained in this report are presented on that basis. However, soil and bedrock materials can vary in characteristics between points of exploration, both laterally and vertically, and those variations could affect the conclusions and recommendations contained herein. As such, observation and testing by a geotechnical consultant during the grading and construction phases of the project are essential to confirming the basis of this report.

This report has been prepared consistent with that level of care being provided by other professionals providing similar services at the same locale and time period. The contents of this report are professional opinions and as such, are not to be considered a guaranty or warranty.

This report should be reviewed and updated after a period of one year or if the site ownership or project concept changes from that described herein.

This report has been prepared for the exclusive use of **Pacific Plaza Premier Development Group** and their project consultants in the planning and design of the proposed development. This report has not been prepared for use by parties or projects other than those named or described herein. This report may not contain sufficient information for other parties or other purposes.

This report is subject to review by the controlling governmental agency.

Respectfully submitted,

ALBUS-KEEFE & ASSOCIATES, INC

Mark Principe
Staff Engineer

Paul Hyun Jin Kim
Associate Engineer
P.E. 77214



8.0 REFERENCES

Publications

California Department of Conservation, Division of Mines and Geology, Seismic Hazard Report 024, "Seismic Hazard Zone Report for the El Monte 7.5-Minute Quadrangles, Los Angeles County, California", 1997.

California Department of Conservation, Division of Mines and Geology, Special Publication 117A "Guidelines for Evaluating and Mitigating Seismic Hazards in California", 2008.

NCEER, "Proceedings of the NCEER Workshop on Evaluation of Liquefaction Resistance of Soils", Technical Report NCEER-97-0022, December 31, 1997.

Seed, HB, and Whitman, RV. "Design of Earth Retaining Structures for Dynamic Loads," ASCE Specialty Conference, Lateral Stresses in the Ground and Design of Earth Retaining Structures, Cornell Univ., Ithaca, New York, 103-147, 1970.

Southern California Earthquake Center (SCEC), University of Southern California, "Recommended Procedures for Implementation of DMG Special Publication 117 Guidelines for Analyzing and Mitigating Liquefaction Hazards in California", March 1999.

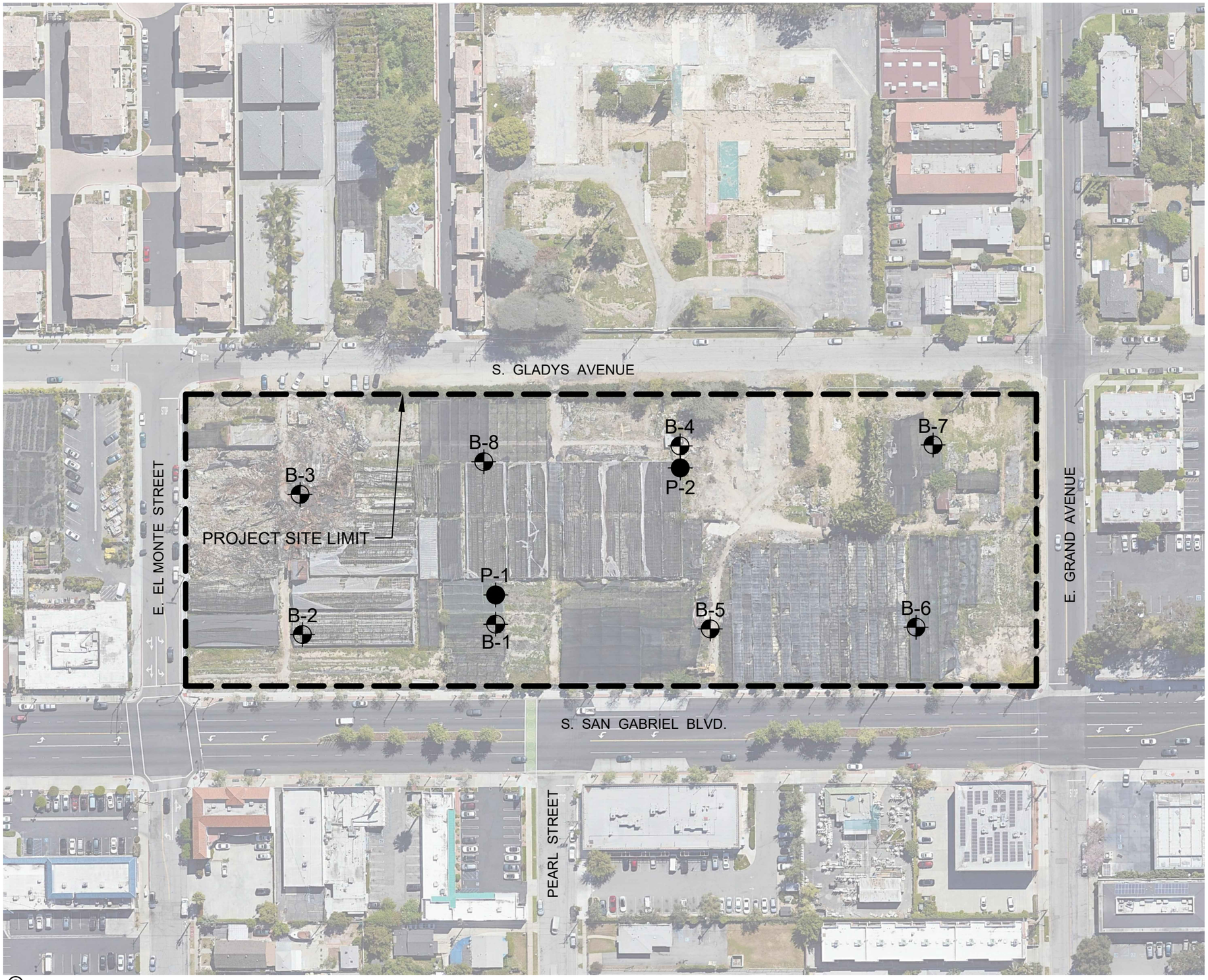
U.S. Geologic Survey. Seismic Hazard Curve Application:
http://geohazards.usgs.gov/hazardtool/application.php

U.S. Geologic Survey. 2008 Interactive Deaggregations, http://geohazards.usgs.gov/deaggint/2008/

U.S. Geologic Survey. U.S. Seismic Design Maps,
http://earthquake.usgs.gov/hazards/designmaps/usdesign.php

Plans

Pacific Square San Gabriel, Mixed Use Development, 700-800 San Gabriel Blvd., San Gabriel, CA 91776, prepared by Media Portfolio



© Google 2019

0 40 80 160

APPROX SCALE : 1" = 80'

EXPLANATION

(Locations Approximate)

- Exploratory Boring
- Exploratory Percolation Well

ALBUS-KEEFE & ASSOCIATES, INC.
GEOTECHNICAL CONSULTANTS

GEOTECHNICAL MAP

Job No.: 2798.00	Date: 03/20/19	Plate: 1

APPENDIX A

EXPLORATION BORING LOGS

EXPLORATION LOG

Project:		Location:
Address:		Elevation:
Job Number:	Client:	Date:
Drill Method:	Driving Weight:	Logged By:

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
5		**EXPLANATION** Solid lines separate geologic units and/or material types. Dashed lines indicate unknown depth of geologic unit change or material type change. **Solid black rectangle** in Core column represents California Split Spoon sampler (2.5in ID, 3in OD). **Double triangle** in core column represents SPT sampler. **Vertical Lines** in core column represents Shelby sampler. **Solid black rectangle** in Bulk column respresents large bag sample. **Other Laboratory Tests:** Max = Maximum Dry Density/Optimum Moisture Content EI = Expansion Index SO4 = Soluble Sulfate Content DSR = Direct Shear, Remolded DS = Direct Shear, Undisturbed SA = Sieve Analysis (1" through #200 sieve) Hydro = Particle Size Analysis (SA with Hydrometer) 200 = Percent Passing #200 Sieve Consol = Consolidation SE = Sand Equivalent Rval = R-Value ATT = Atterberg Limits							
10									
15									
20									

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-1
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 376.5
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, very moist, loose, fine and coarse grained sand, trace pores		11		■	17.8	110.5	
		@ 4 ft, trace clay		14		■	15.5	110	
5		**ALLUVIUM (Qal)** Silty Sand (SM): Light brown, very moist, medium dense, medium to coarse grained sand		17		■	6.8	100.6	
		Sand with Silt (SP-SM): Light brown, moist, medium dense, medium to coarse grained sand, trace mica							
10		Silty Sand (SM): Brown, very moist, very loose, fine grained sand, trace coarse gravel, with clay, sandy silt layers		4		■	22.8	94.6	Consol
15		@ 15 ft, loose		4	⧗				SA Hydro
20		@ 20 ft, light brown, medium dense, clayey silt nodules, no coarse sand, decreased fines		15	⧗				

Albus-Keefe & Associates, Inc.

Plate A-2

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-1
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 376.5
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		@ 25 ft, light reddish brown, some clay, increased fines		15					
30		@ 30 ft, dense, trace coarse grained sand, decreased fines		18					
		Sand with Silt (SP-SM): Reddish brown, damp, dense, fine to medium grained sand							
35				19					
40		@ 40 ft, light brown, medium dense, fine grained sand		16					
45		@ 45 ft, dense, silt nodules		23					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-1
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 376.5
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples			Laboratory Tests		
				Blows Per Foot	Core	Bulk	Moisture Content (%)	Dry Density (pcf)	Other Lab Tests
		@ 50 ft, medium brown, increased fines		18					
		End of boring at 51.5 feet. No groundwater encountered. Percolation test well (P-1) installed 10 feet away from boring. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-2
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 378.7
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, moist, fine to coarse grained sand, some clay							
		ALLUVIUM (Qal) Silty Sand (SM): Brown, moist, loose, fine and coarse grained sand, some clay		6			12.9	110.5	
5		@ 4 ft, reddish brown, fine to coarse gravel		8			8.5	117.2	
		@ 6 ft, bedrock fragments		12					
		@ 7 ft, brown, fine to medium grained sand, trace clay, no gravel					10.6	118.2	DS
10		@ 10 ft, light brown, fine to coarse gravel, possible cobbles, decreased fines		14			5.2	107.2	SO4 pH Ch
15		@ 15 ft, dense, no gravel		26					
		Clay (CL): Reddish brown, damp, very stiff, trace fine grained sand, with silt							
20				15					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-2
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 378.7
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
				11					
		Sandy Silt (ML): Light brown, damp, very stiff, fine grained sand							
30				12					
		Silty Sand (SM): Light brown, damp, dense, fine grained sand							
35				19					
40		@ 40 ft, damp, very dense, fine to coarse gravel, fine to coarse grained sand		53					
		End of boring at 41.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-3
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Medium brown, moist, loose, fine grained sand		9	■		13.7	100.6	
				11	■		9.8	111.6	
5		@ 5.5 ft, increased medium grained sand							
		ALLUVIUM (Qal) Sand with Silt (SP-SM): Light brown, damp, medium dense, medium to coarse grained sand, trace fine gravel, trace silt		21	■		3.5	105.5	
		Silty Sand / Sandy Silt (SM/ML): Medium brown, moist, medium dense / stiff, fine grained sand, trace medium grained sand							
10				7	■		12.6	94.8	Consol
15		@ 15 ft, medium reddish brown, trace course grained sand		7	⧗				
		Silty Sand/ Sand with Silt (SM/ SP-SM): Light gray brown, damp, dense, fine to coarse grained sand, little fine to coarse gravel							
20				30	⧗				
		Clay (CL): Reddish brown, moist, hard, trace fine grained sand, with silt							
		Sandy Silt (ML): Reddish brown, moist, hard, fine to coarse grained sand, trace clay							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-3
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
				26					
30				13					
		Silty Sand/Sandy Silt (SM/ML): Reddish yellow, moist, medium dense/stiff, fine grained sand							
		Silty Sand (SM): Reddish brown, moist, dense, fine grained sand							
35				22					
40		@ 40 ft, medium dense		17					
45		@ 45 ft, dense		18					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-3
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples			Laboratory Tests		
				Blows Per Foot	Core	Bulk	Moisture Content (%)	Dry Density (pcf)	Other Lab Tests
		@ 50 ft, trace fine gravel		23					
		End of boring at 51.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-4
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 375.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, moist, medium dense, fine to medium grained sand, trace pores		20	■		6.7	107.4	
		ALLUVIUM (Qal)		22	■		1.7		
5		Sand (SP): Light grayish brown, damp, medium dense, fine to coarse grained sand, few fine to coarse gravel		28	■		4.6	104.9	DS
10				18	■				SO4 pH Ch
		Silty Sand (SM): Medium reddish brown, moist, fine to medium grained sand, trace fine gravel							
15				9	⧗				
20		@ 20 ft, light reddish brown, damp, dense, fine to medium grained sand, decreased fines, some fine gravel		28	⧗				

Albus-Keefe & Associates, Inc.

Plate A-10

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-4
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 375.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		@ 25 ft, reddish brown, moist, fine grained sand, increased fines, no gravel, some clay		21					
30		@ 30 ft, damp, very dense, fine grained sand, decreased fines, trace medium grained sand		32					
		Sand (SP-SM): Reddish brown, damp, dense, fine to medium grained sand, with silt							
35				19					
40		@ 40 ft, very dense		34					SA Hydro
45		@ 45 ft, medium to coarse grained sand, decreased fines, trace fine gravel		62					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-4
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 375.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples			Laboratory Tests		
				Blows Per Foot	Core	Bulk	Moisture Content (%)	Dry Density (pcf)	Other Lab Tests
		@ 50 ft, light grayish brown		38					
		End of boring at 51.5 feet. No groundwater encountered. Backfilled with soil cuttings. Percolation test well (P-2) installed 10 feet away from boring.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-5
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 374.3
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand/ Sandy Silt (SM/ML): Light brown, damp, loose, fine grained sand, trace pores		11	■		8.6	97	
5		Silty Sand (SM): Light brown, damp, medium dense, fine grained sand, trace pores		20	■		4.5	106.6	
		ALLUVIUM (Qal) Sand (SP): Light gray brown, damp, medium dense, fine to medium grained sand, trace fine gravel, friable		16	■		1.7		
10		@ 10 ft, loose, increased medium grained sand		12	■		7.2	105.8	Consol
15		@ 15 ft, dense		26	⧗				
20				30	⧗				

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-5
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 374.3
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		@ 25 ft, increased fines		31					
		Sandy Silt (ML): Reddish brown, wet, hard, fine to medium grained sand							
30				26					
		Silt Sand (SM): Reddish brown, damp, dense, fine grained sand, trace medium grained sand							
35				23					
		Sand with Silt (SP-SM): Light reddish brown, very dense, fine to coarse grained sand, trace fine gravel							
40				41					
		End of boring at 41.5 feet. Perched groundwater observed at 28 feet. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-6
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 372.9
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, very moist, medium dense, fine grained sand, few medium grained sand, trace clay							
		ALLUVIUM (Qal)		16			9.9	127.4	
		Sand (SP): Light reddish brown, damp, medium dense, fine to coarse grained sand, trace fine gravel		26			5.8	101.7	
5				29			7.7	102.8	
		Silty Sand (SM): Brown, moist, medium dense, fine to medium grained sand, trace fine gravel							
10				18			14.3	109	Consol
		Sand with Silt (SP-SM): Light reddish brown, dense, fine to coarse grained sand, trace fine gravel							
15				23					
		Silty Sand (SM): Light reddish brown, damp, medium dense, fine grained sand, trace medium grained sand, trace fine gravel							
20				19					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-6
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 372.9
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Sandy Silt (ML): Reddish brown, damp, dense, trace fine to course grained sand, iron oxide stain, trace clay		20					
30		Silty Sand (SM): Light reddish brown, damp, dense, fine to medium grained sand, trace clay		27					
35		@ 35 ft, fine grained sand, increased fines		24					
		Sand with Silt (SP-SM): Light brown, damp, very dense, fine to coarse sand, few fine gravel		52					
40									
45		@ 45 ft, increased fine gravel		67					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-6
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 372.9
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples			Laboratory Tests		
				Blows Per Foot	Core	Bulk	Moisture Content (%)	Dry Density (pcf)	Other Lab Tests
50		@ 50 ft, dense, fine grained sand, trace fine gravel, thin layers of sandy silt, increased fines		21					
		End of boring at depth of 51.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-7
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, very moist, medium dense, fine to medium grained sand, trace clay		15	■		8.4	105.3	
		@ 3 ft, decreased fines, trace fine gravel							
5		**ALLUVIUM (Qal)** Sand with Silt (SP-SM): Brown, damp, medium dense, fine to coarse grained sand, trace fine to coarse gravel		19	■		4.5	107.2	
		@ 6 ft, increased gravel		34	■		2.1		
		Silty Sand (SM): Brown, damp, medium dense, fine grained sand							
10				14	■		9.4	97	Consol
15		@ 15 ft, reddish brown, dense, thin silt layers		31	⧗				
		Sand with Silt (SP-SM): Light brown, damp, dense, fine to coarse grained sand, few fine gravel							
20				23	⧗				
		Sandy Silt (ML): Reddish brown, hard, fine grained sand, with clay							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-7
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
				22					
		Silty Sand (SM): Light brown, dense, fine grained sand							
30				21					
35		@ 35 ft, silty clay nodules		24					
40				20					
		End of the boring at 41.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-8
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 377.7
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, moist, medium dense, fine to medium grained sand, few clay, trace fine gravel, trace pores		16			11.4	108.1	
5		@ 4 ft, light brown, damp, loose, fine grained sand, possible cobbles		11			6.1	98.9	
		@ 5 ft, brown, moist, fine to medium grained sand							
		ALLUVIUM (Qal) Silty Sand (SM): Light brown, moist, medium dense, fine to medium sand, trace fine gravel		14			3.3	99.7	
10		@ 10 ft, reddish brown, loose, increased fines, no gravel, trace coarse grained sand		10			6.5	96.4	Consol
		Silt (ML): Reddish brown, moist, medium stiff, fine to medium grained sand, trace coarse gravel, with clay							
15				4					
		Silty Sand (SM): Light brown, damp, very dense, fine to coarse grained sand, few coarse gravel							
20				36					
		Sandy Silt (ML): Reddish brown, damp, dense, fine grained sand							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-8
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 377.7
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
				21					
		Sand with Silt (SP-SM): Light brown, damp, very dense, fine to medium grained sand, trace coarse grained sand, few coarse gravel, possible cobbles							
30				59					
35		@ 35 ft, no cobbles		53					
40				73/ 11"					
		End of boring at 41.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

APPENDIX B

LABORATORY TEST PROGRAM

LABORATORY TESTING PROGRAM

Soil Classification

Soils encountered within the exploratory borings were initially classified in the field in general accordance with the visual-manual procedures of the Unified Soil Classification System (ASTM D2488). The samples were re-examined in the laboratory and classifications reviewed and then revised where appropriate. The assigned group symbols are presented in the Boring Logs provided in Appendix A.

In Situ Moisture and Density

Moisture content and dry density of in-place soil materials were determined in representative strata. Test data are summarized on the Boring Logs provided in Appendix A.

Maximum Dry Density and Optimum Moisture Content

Maximum dry density and optimum moisture content of onsite soils were determined for one selected sample in general accordance with Method A of ASTM D1557. Pertinent test values are given on Table B-1.

Direct Shear

Direct shear tests were performed for a undisturbed sample and a sample remolded to 90 percent of the maximum dry density. These tests were performed in general accordance with ASTM D3080. Three specimens were prepared for each test. The test specimens were artificially saturated, and then sheared under varied normal loads at a constant rate. Results are graphically presented on Plates B-9 and B-10.

Consolidation

Consolidation tests were performed for selected soil samples in general conformance with ASTM D 2435. Axial loads were applied in several increments to a laterally restrained 1-inch-high sample. Loads were applied in geometric progression by doubling the previous load, and the resulting deformations were recorded at selected time intervals. The test samples were inundated at selected loads to evaluate the effects of a sudden increase in moisture content (hydro-consolidation potential). Results of the tests are graphically presented on Plates B-3 through B-8.

Expansion Potential

Expansion index testing was performed on a selected sample. The test was performed in conformance with ASTM D-4829. The test result is presented on Table B-1.

Soluble Sulfate Content

A chemical analysis was performed on a selected soil sample to determine soluble sulfate content. The test was performed in accordance with California Test Method (CTM) 417. The test result is included in Table B-1.

Corrosion

Select samples were tested for minimum resistivity, chloride content, and pH in accordance with California Test Method 643. Results of these tests are provided in Table B-1.

Particle-Size Analyses

Particle-size analyses were performed on selected samples in accordance with ASTM D-422. The results are presented graphically on the attached Plates B-1 and B-2.

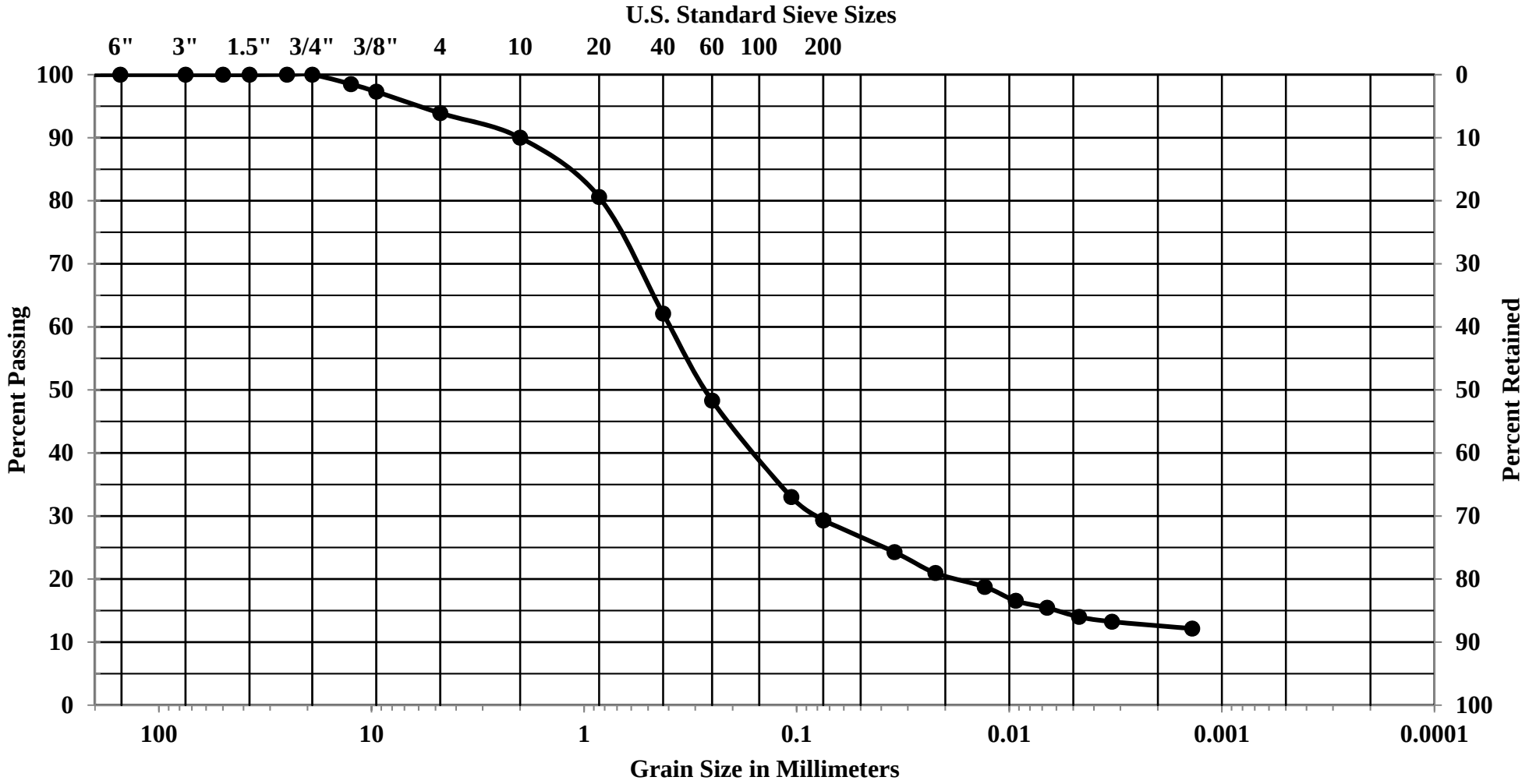
TABLE B-1
SUMMARY OF LABORATORY TEST RESULTS

Boring Number	Depth (feet)	Soil Type	Test Results	
B-1	0-5	Silty Sand (SM)	Maximum Dry Density: Optimum Moisture Content:	127.0% 11.0%
B-2	10	Silty Sand (SM)	Soluble Sulfate: Sulfate Exposure: pH: chloride:	0.000% Negligible 7.09 13.3 ppm
B-4	10	Sand (SP)	Soluble Sulfate: Sulfate Exposure: pH: chloride:	0.000% Negligible 6.89 12.0 ppm

Additional laboratory test results are provided on the boring logs provided in Appendix A and on the Plates that follow.

GRAIN SIZE DISTRIBUTION

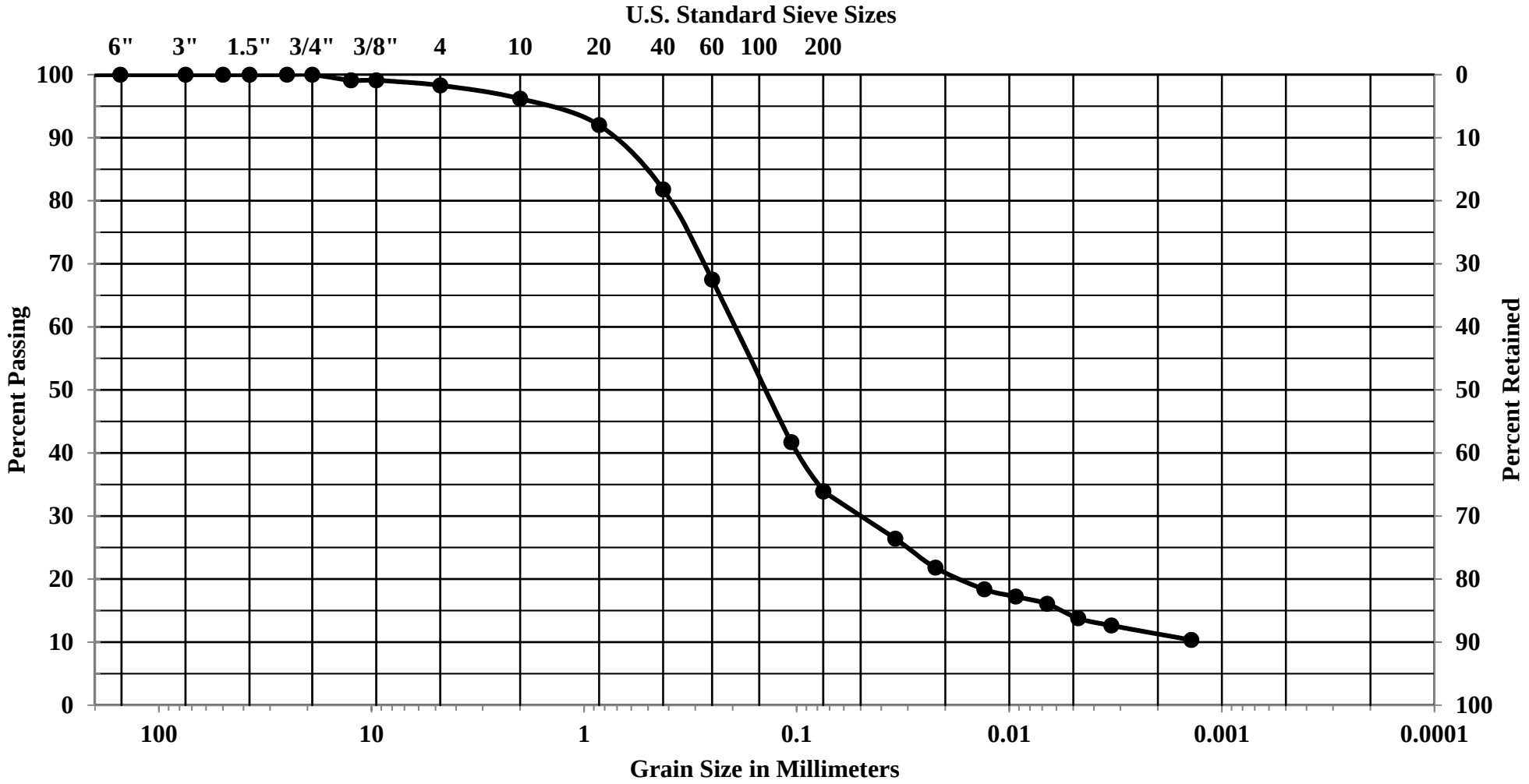
COBBLES	GRAVEL		SAND			SILT AND CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	



Job Number	Location	Depth	Description
2798.00	B-1	15	Silty Sand (SM)

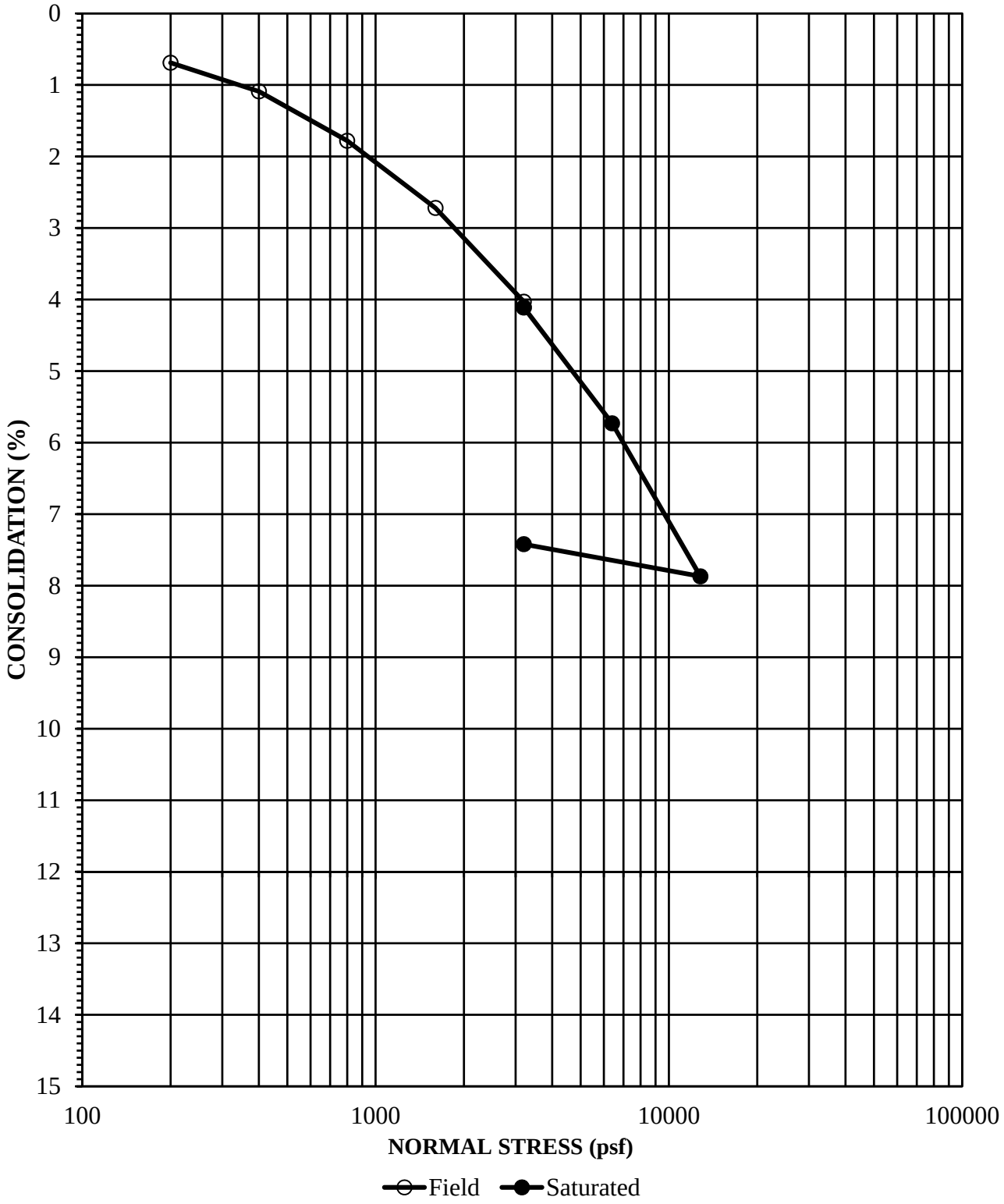
GRAIN SIZE DISTRIBUTION

COBBLES	GRAVEL		SAND			SILT AND CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	



Job Number	Location	Depth	Description
2798.00	B-4	40	Silty Sand (SM)

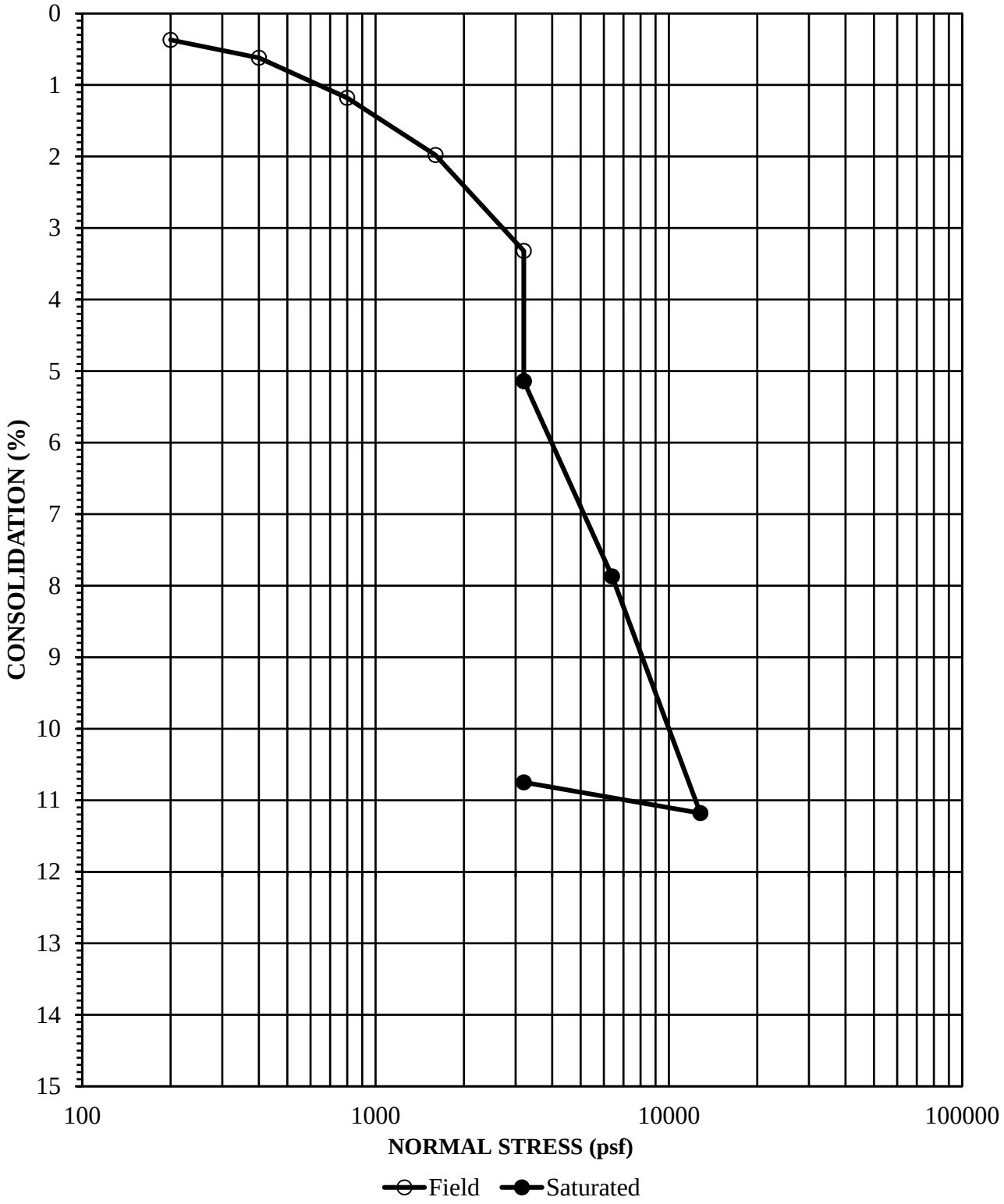
CONSOLIDATION



Job Number	Location	Depth	Description
2798.00	B-1	10	Silty Sand (SM)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
95.6	22.5	21.2

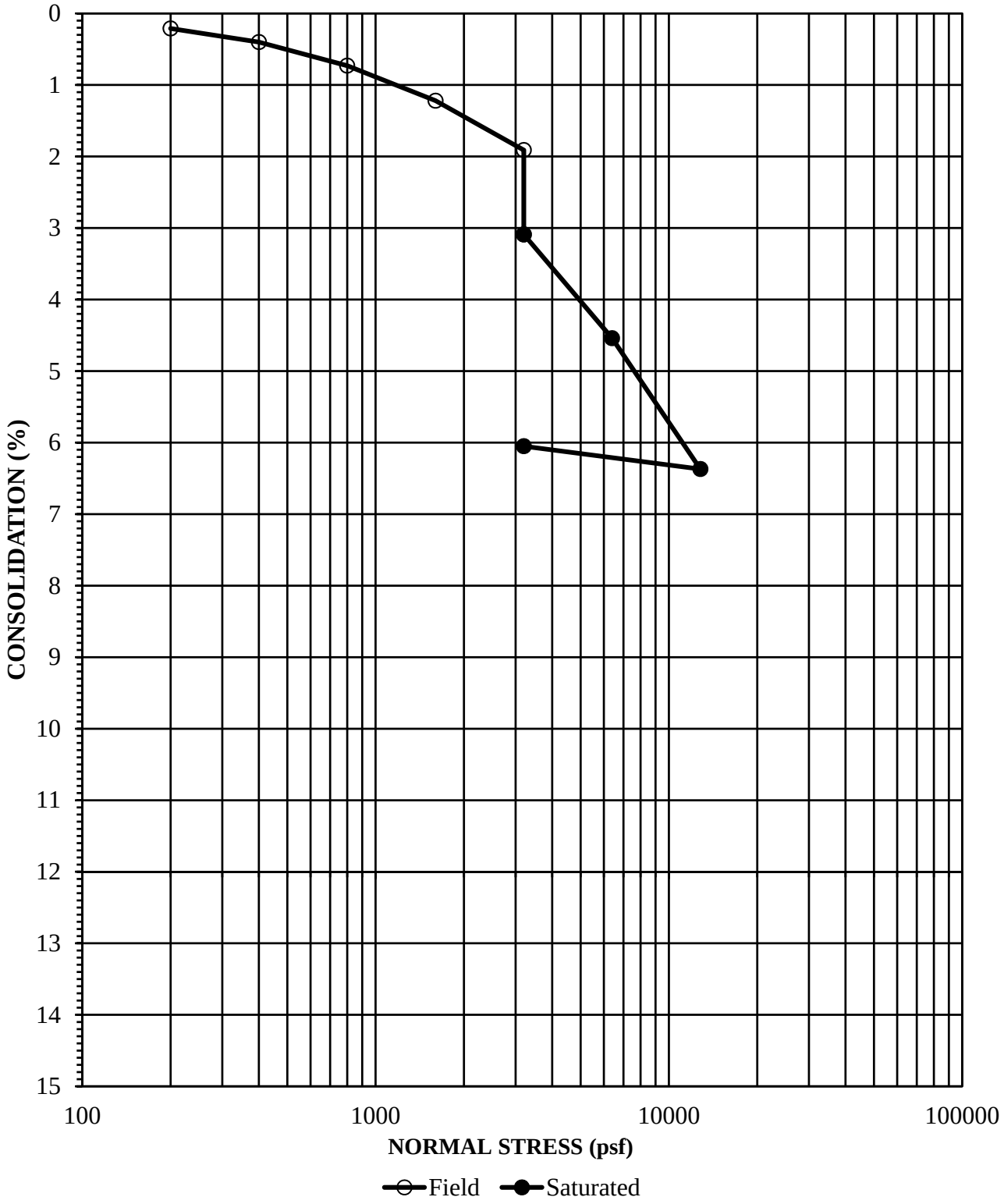
CONSOLIDATION



Job Number	Location	Depth	Description
2798.00	B-3	10	Silty Sand (SM)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
90.3	12.5	22.3

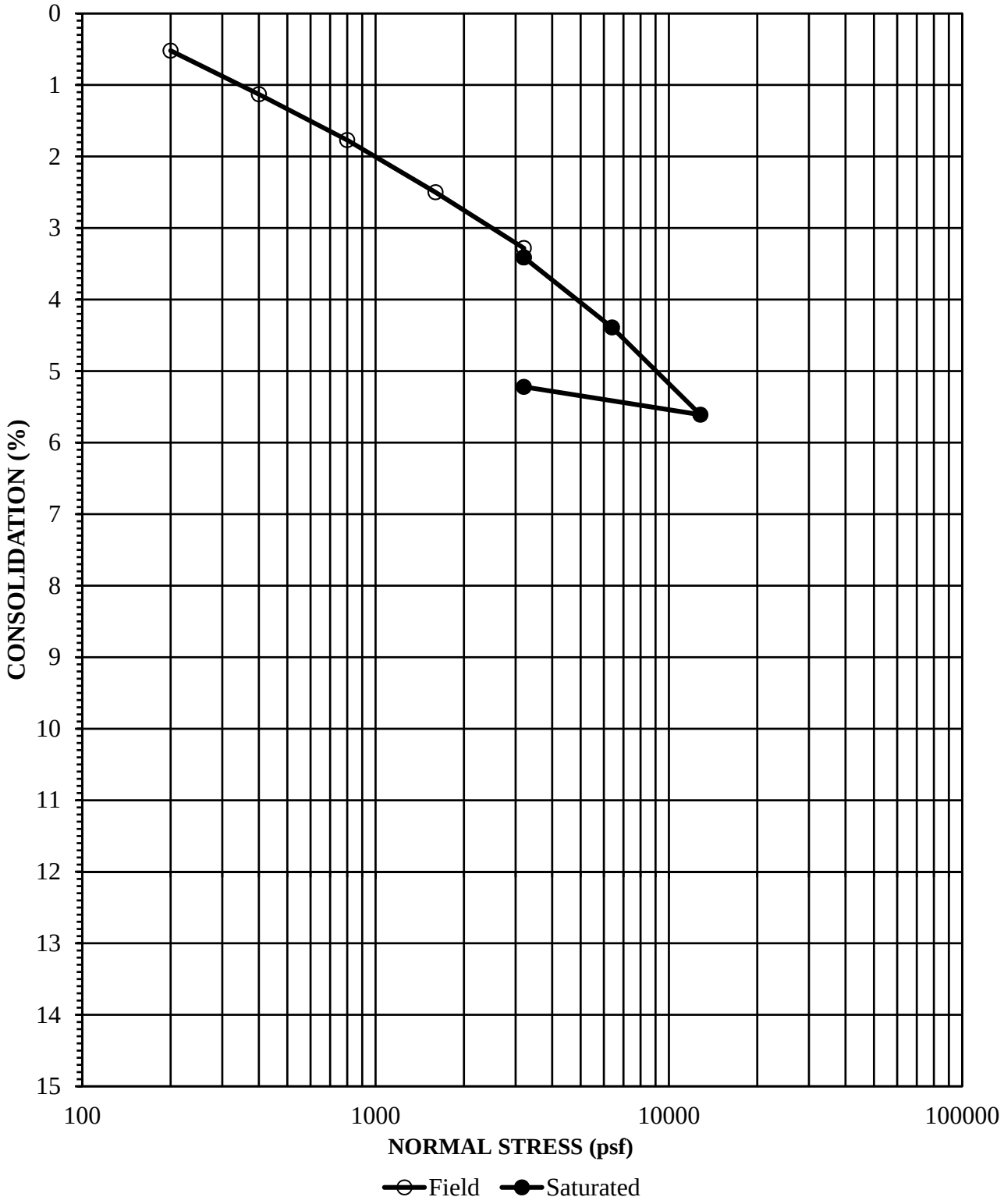
CONSOLIDATION



Job Number	Location	Depth	Description
2798.00	B-5	10	Sand/Silty Sand (SP/SM)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
105	9.1	15.3

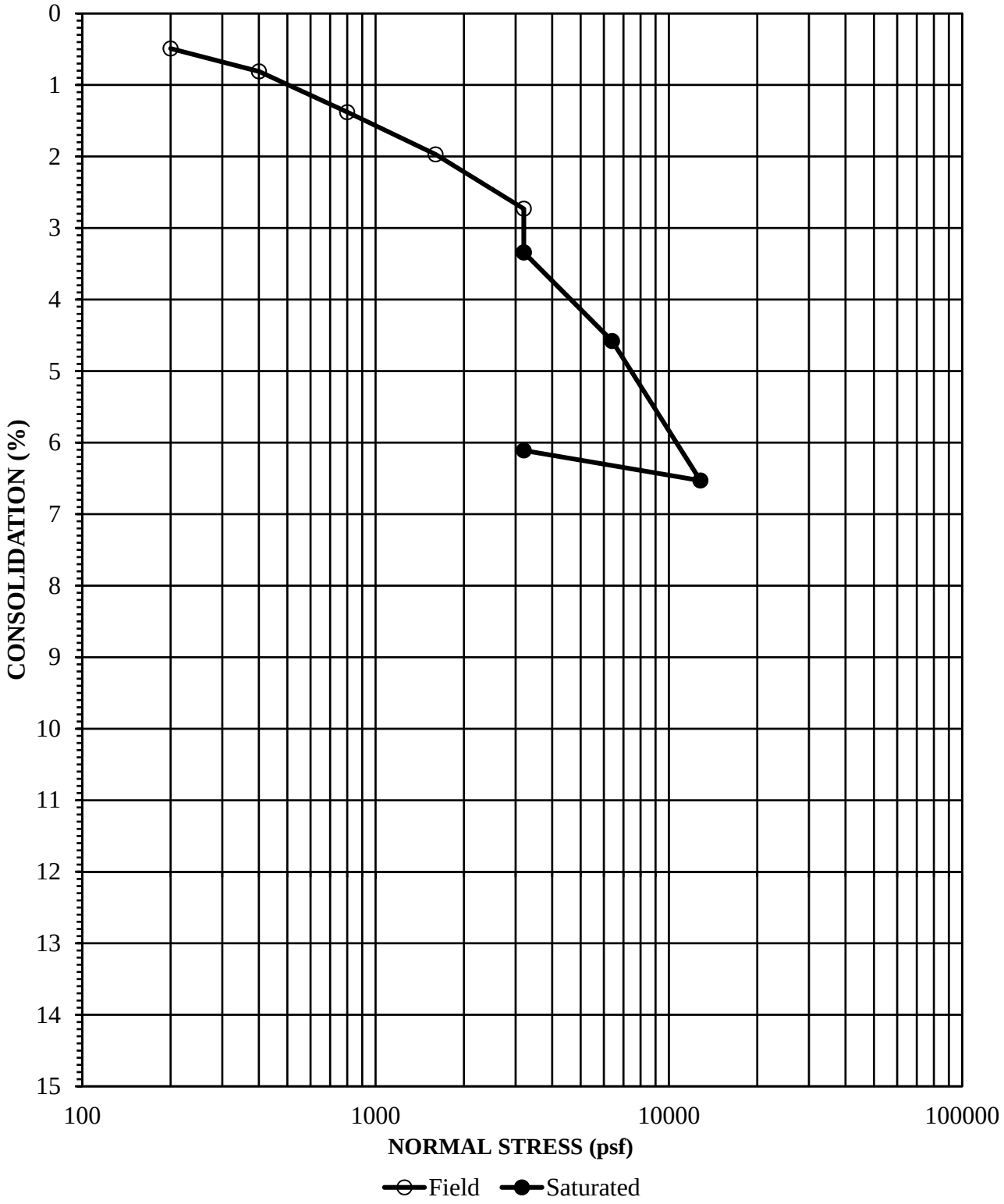
CONSOLIDATION



Job Number	Location	Depth	Description
2798.00	B-6	10	Silty Sand (SM)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
109	16.5	16.7

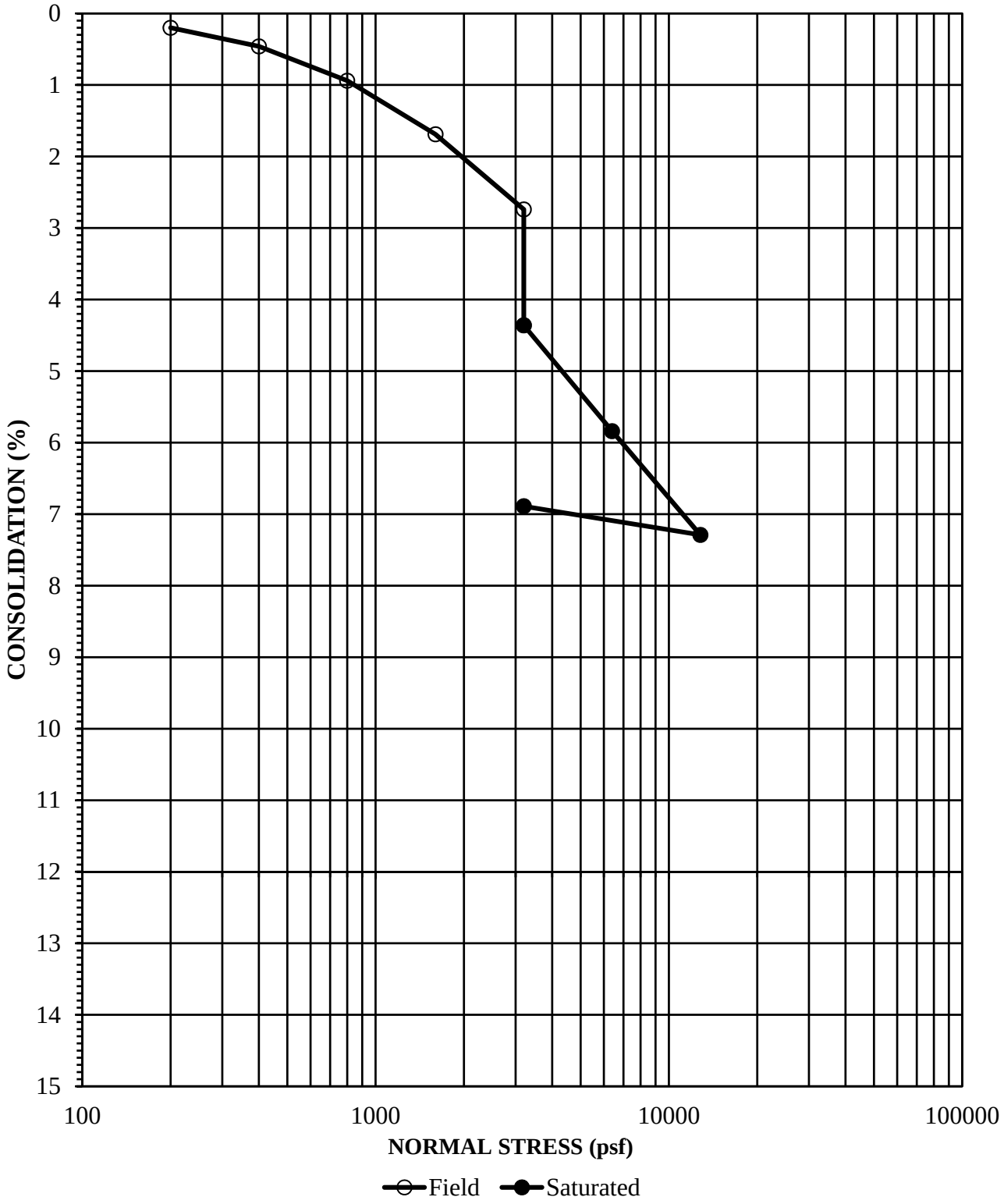
CONSOLIDATION



Job Number	Location	Depth	Description
2798.00	B-7	10	Silty Sand (SM)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
94.1	9.6	22.3

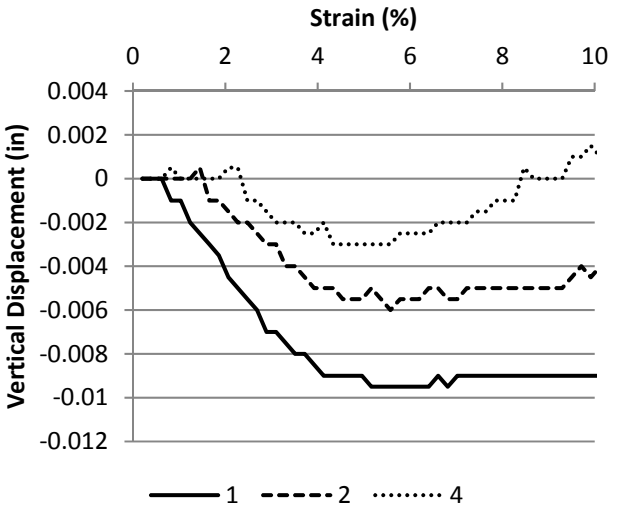
CONSOLIDATION

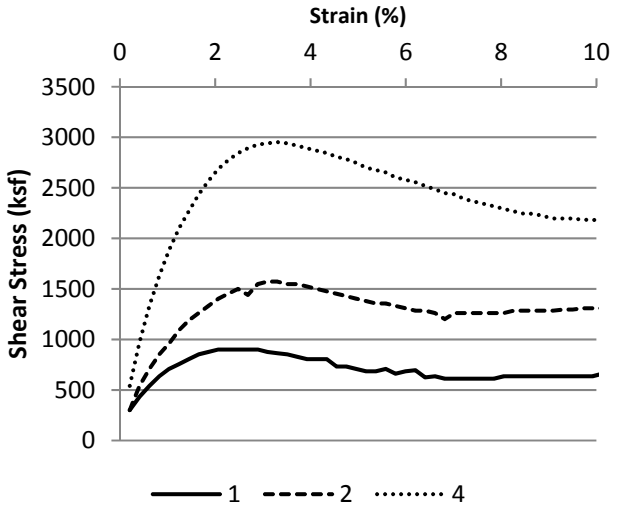


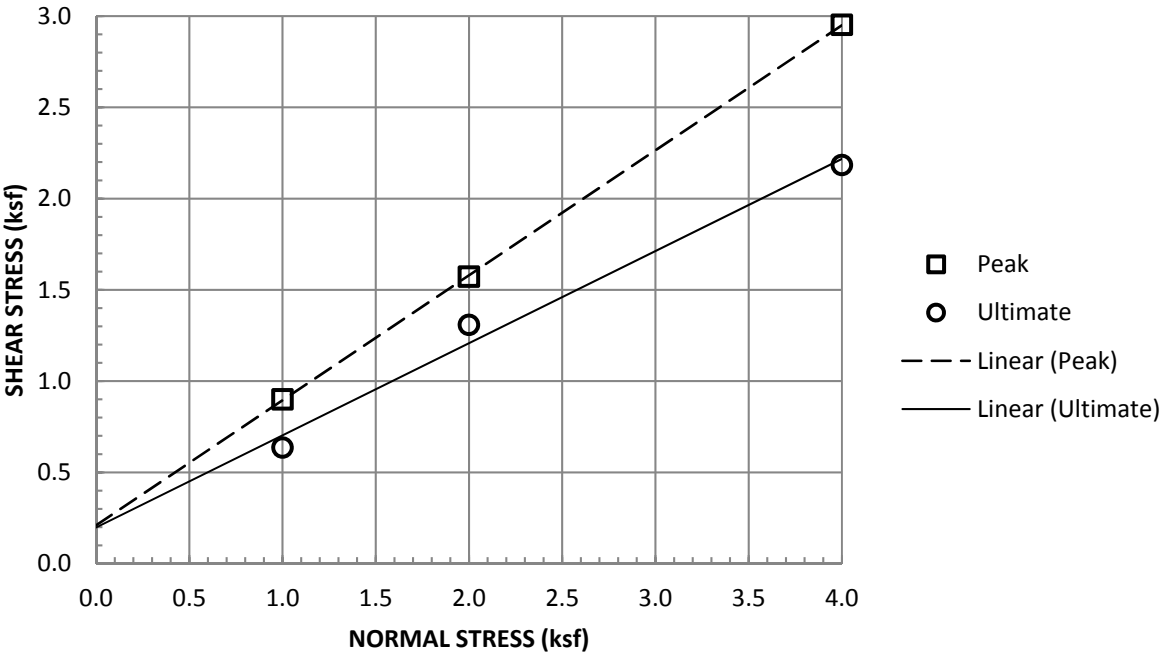
Job Number	Location	Depth	Description
2798.00	B-8	10	Silty Sand (SM)

Initial Dry Density (pcf)	Initial Moisture Content (%)	Final Moisture Concent (%)
92.9	7.9	21.2

DIRECT SHEAR



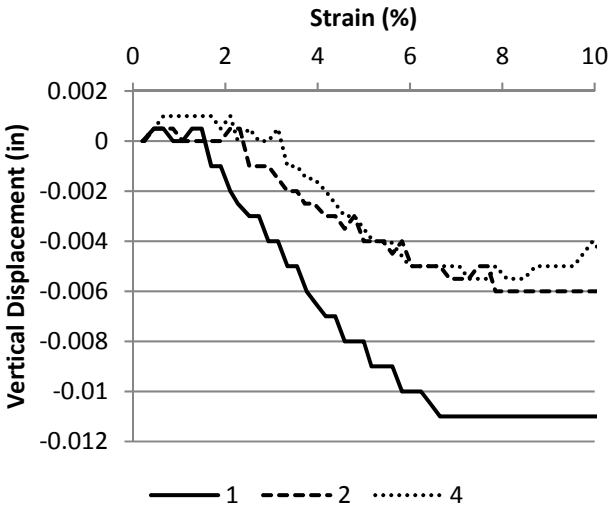


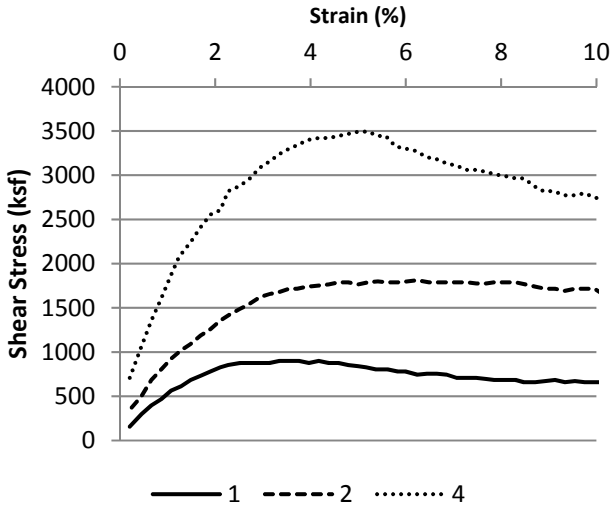


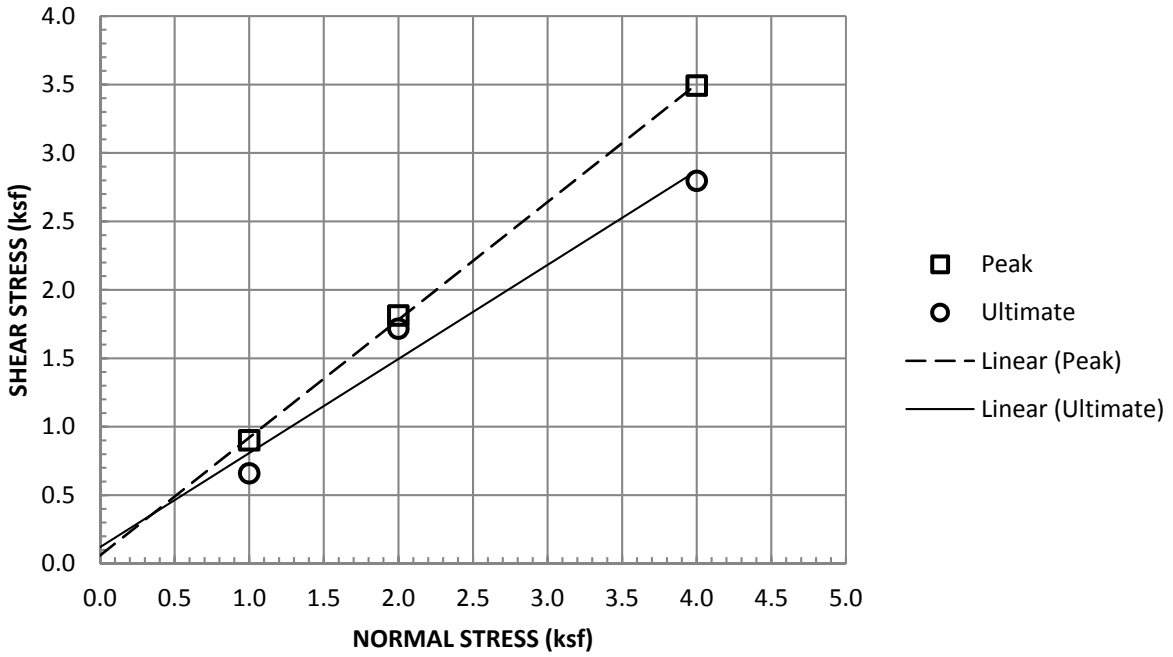
Sample Type:	Undisturbed, Saturated		
Normal Stress (ksf)	1	2	4
Peak Shear Stress (ksf)	0.9	1.572	2.952
Peak Displacement (in)	0.01	0.006	0.003
Ultimate Shear Stress (ksf)	0.636	1.308	2.184
Ultimate Displacement (in)	0.25	0.25	0.25
Initial Dry Density (pcf)	119.3	116	116.5
Initial Moisture Content (%)	10.6	10.6	10.6
Final Moisture Content (%)	10.8	12.2	11.5
Strain Rate (in/min)	.01		

Job Number	Location	Depth	Description
2798.00	B-2	7	Silty Sand / Clayey Sand (SM/SC)

DIRECT SHEAR







Sample Type:	Undisturbed, Saturated		
Normal Stress (ksf)	1	2	4
Peak Shear Stress (ksf)	0.9	1.812	3.492
Peak Displacement (in)	0.011	0.006	0.006
Ultimate Shear Stress (ksf)	0.66	1.716	2.796
Ultimate Displacement (in)	0.25	0.25	0.25
Initial Dry Density (pcf)	104.2	106.3	103.8
Initial Moisture Content (%)	4.7	4.7	4.7
Final Moisture Content (%)	16.7	13.5	15
Strain Rate (in/min)	0.04		

Job Number	Location	Depth	Description
2798.00	B-4	6	Sand (SP)

ALBUS-KEEFE & ASSOCIATES, INC.
GEOTECHNICAL CONSULTANTS

September 18, 2019
J.N.: 2798.00

Mr. Ken Lee
Pacific Plaza Premier Development Group
9661 E Las Tunas Dr., Suite A
Temple City, California 91780

Subject: **Response to City Comments, Proposed Development, 700 and 800 San Gabriel Boulevard, San Gabriel, California.**

Reference: *Preliminary Geotechnical Investigation, Proposed Mixed-Use Development, 700 and 800 San Gabriel Boulevard, San Gabriel, CA, 91776,* prepared by Albus-Keefe & Associates, Inc., dated March 25, 2019 (J.N. 2798.00)

Dear Mr. Lee,

We have prepared this correspondence in response to the comments provided by Environmental Science Associates (ESA) on behalf of the City of San Gabriel pertaining to our referenced report dated March 25, 2019. No official letterhead was provided. Instead, comments were electronically placed on pdf copies of our referenced report. The comments and the section of the report they were placed against are reiterated below.

#1 Original Text
Based on the architectural site plans by Media Portfolio, the proposed development for the site will consist of two mixed use buildings with a total of 243 residential units and approximately 1,315,150 ft2 of commercial space.

Comment
Per Draft EIR Project Description - 79,987 sf of commercial land uses. Also revise ft2 to spell out (square feet).

Response to Comment
Acknowledged. Based on the information provided, the proposed development for the site will consist of two mixed use buildings with a total of 243 residential units and approximately 79,987 square feet of commercial space.

#2 Original Text
Results of our percolation testing will be discussed under a separate cover.

Comment
Should probably cite the report more directly since it is already written.

Response to Comment
Acknowledged. Results of our percolation testing is discussed our report "Infiltration Study for Storm Water Quality, Proposed Mixed-Use Development, 700 and 800 San Gabriel Boulevard, San Gabriel, CA, 91776, dated on March 22, 2019.

#3 Original Text
No active faults are known to project through the site nor does the site lie within the boundaries of an "Earthquake Fault Zone" as defined by the State of California in the Alquist-Priolo Earthquake Fault Zoning Act. The closest known active fault is the Raymond Fault located approximately 2.27 miles from the site.

Comment
Why isn't this referring to Elysian Park fault instead? It seems as though this fault line is closer than Raymond, per table above.

Response to Comment
An active fault, as defined by the Alquist-Priolo (AP) Act is an earthquake fault which is active (within the last 11,000 years) and breaks/nearly breaks the ground surface. There are maps depicting the Earthquake Fault Zones issued by the California Department of Conservation, California Geological Survey (CGS). These maps indicate that the Raymond Fault is the closest active fault.

It should be noted that Table 3.1 lists seismically active faults capable of producing ground motion as designated by the USGS. The table lists the Elysian Park fault with a rupture approximately 3 km from the surface. This is not considered an active fault according to the AP Act.

#4 Original Text
As discussed in Section 0, groundwater is not anticipated to occur within 50 feet of the ground surface during the design life of the project. As such, risks associated with liquefaction are considered low. Furthermore, the site is not located within a mapped California Geologic Survey liquefaction hazard zone. No mitigation is deemed necessary for mitigation of liquefaction hazards.

Comment
Does this need to add some explanation regarding perched ground water found at 28 feet? I understand that the excavation will only go down to 12 feet anyway, but could be a question that the public could ask.

Response to Comment
As indicated in the referenced report, the alluvial deposits are comprised of predominantly coarse-grained soils with occasional fine-grained layers typically encountered at depths of 20 to 30 feet below the ground surface. The fine-grained layers varied in thickness and were generally not consistent throughout the site. Groundwater was encountered only within boring B-5 at a depth of 28 feet within the silt layer. Groundwater was not observed within the sand layers below. Therefore, a perched water condition was observed. The water encountered is thought to be a result of percolation of rainfall into the subsurface, rather than representing a groundwater table.

#5 Original Text

Our office should be provided with foundation plans and structural loads as soon as these become available, in order to confirm our assessment of static settlement.

Once finalized structural loads and details of footing designs are provided to us, static settlements may require re-evaluation.

Comment
Not sure how the team feels about this type of language. It is used a couple of times in the report. Makes it almost seem like it is deferred analysis. Highlighted in different spots throughout report.

Response to Comment
Our analyses are based on assumed loads indicated in the referenced report. Once developmental plans and structural loads become available, we can compare those loads to the assumed loads in the report. Additional analysis may be necessary.

#6 Original Text
Based on our understanding of proposed site development, the entire building is anticipated to be supported by a subterranean level that is founded at least 10 feet below current grade. As such, cuts for the subterranean level are anticipated to remove a majority of these unsuitable materials.

Comment
The Project Description states 12 feet.

Response to Comment
Acknowledged. The information presented in this section is still considered applicable to depths of 12 feet below current grade.

Closing

We appreciate this opportunity to be of service to you. If you should have any questions regarding the contents of this correspondence, please do not hesitate to call.

Sincerely,

ALBUS-KEEFE & ASSOCIATES, INC.





Paul Hyun Jin Kim
Associate Engineer
GE 3106

ALBUS-KEEFE & ASSOCIATES, INC
GEOTECHNICAL CONSULTANTS

March 22, 2019
J.N.: 2798.00

Mr. Ken Lee
Pacific Plaza Premier Development Group
9661 E Las Tunas Dr, Suite A
Temple City, CA 91780

Subject: **Infiltration Study for Storm Water Quality, Proposed Mixed-Use Development, 700 and 800 San Gabriel Boulevard, San Gabriel, CA, 91776.**

Dear Mr. Lee,

Pursuant to your request, ***Albus-Keefe & Associates, Inc***. has completed a geotechnical investigation of the site for evaluation of the percolation characteristics of the site soils. The scope of this investigation consisted of the following:

- Exploratory drilling, soil sampling, and percolation test well installation
- Field percolation testing
- Laboratory testing of selected soil samples
- Engineering analysis of the data
- Preparation of this report

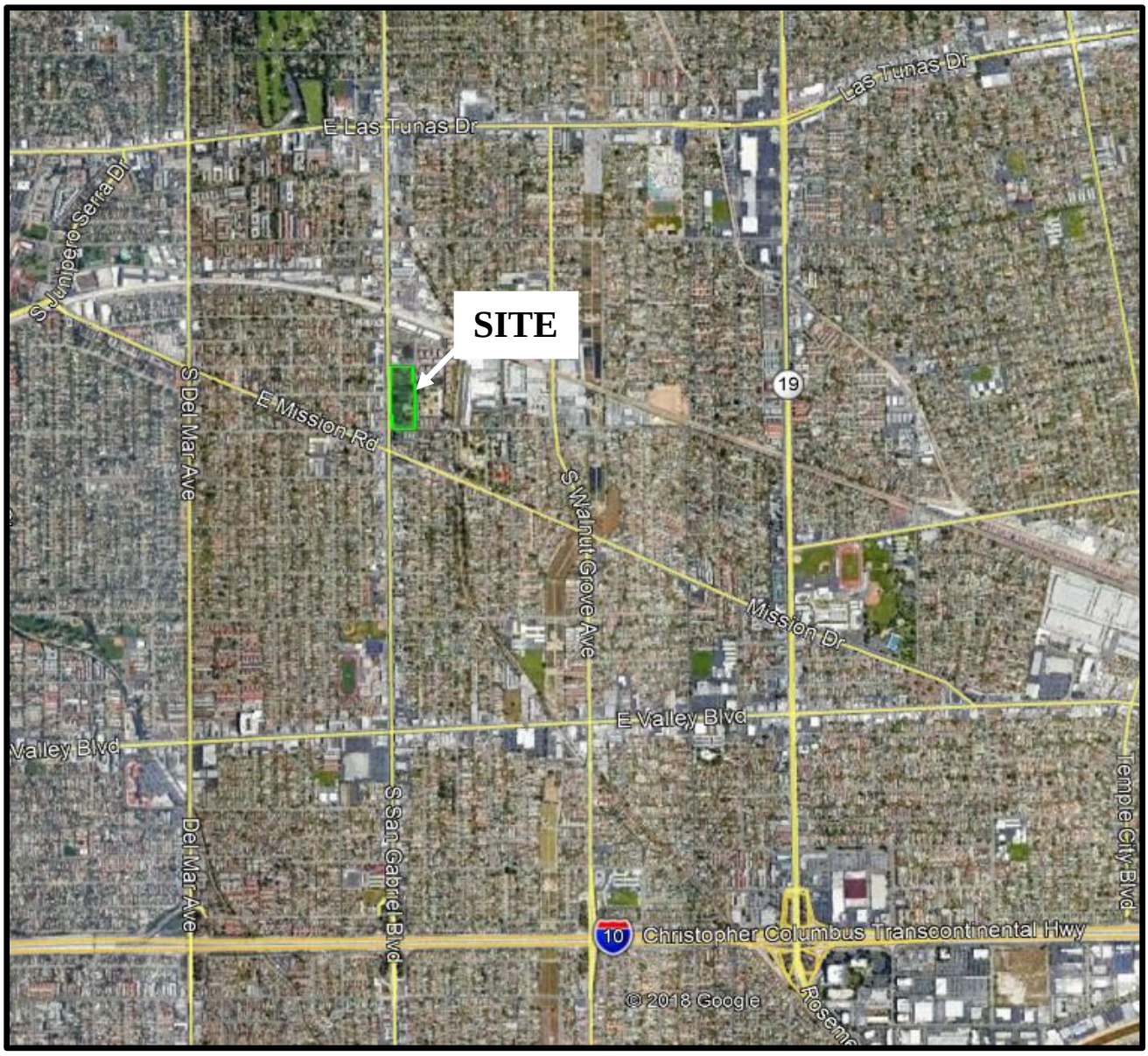
SITE DESCRIPTION AND PROPOSED DEVELOPMENT

Site Location and Description

The site is located at 700 and 800 San Gabriel Boulevard within the city of San Gabriel, California. The property is bordered by the East El Monte Street to the north, South San Gabriel Boulevard to the west, East Grand Avenue to the south, and South Gladys Avenue to the east. The location of the site and its relationship to the surrounding areas is shown on Figure 1, Site Location Map.

The site consists of a rectangular shaped property containing approximately 5.9 acres of land and is currently an undeveloped lot. Improvements associated with the site include traces of gravel roads from previous site use and irrigation lines present within the south-eastern portion of the site. The eastern, western, and southern perimeter of the property is bounded by chain-link fencing. The northern portion of the site perimeter is bounded by a chain-link fence on top of a masonry retaining wall.

Topographically the site is relatively flat with elevations ranging from approximately 380 feet above Mean Seal Level (MSL) to approximate 373 feet above MSL descending to the southwest (based on Google Earth). Drainage is generally directed to the east and south and onto South Gladys and East Grand Avenue. Vegetation within the site consists of small shrubs and grass throughout the site. Also, mature palm trees are located within the south eastern portion of the site.



© 2019 Google Earth

N

SITE LOCATION MAP

Pacific Plaza Premier Development Group
Proposed Mixed-Use Development
700 and 800 San Gabriel Boulevard
San Gabriel, California

NOT TO SCALE

FIGURE 1

Proposed Development

Based on the architectural site plans by Media Portfolio, the proposed development for the site will consist of two mixed use buildings with a total of 243 residential units and approximately 1,315,150 ft^2 of commercial space. Development would consist of two main buildings with one basement level for parking, one 20-foot-high ground level of retail and parking (2 levels), and four levels of residential over the retail and parking space. We anticipate the residential levels will be wood-framed and supported by a post-tension concrete podium deck. The parking and retail space are anticipated to utilize light-gauge steel framing and post-tension concrete decks.

Improvements will also consist of interior driveways and parking areas, underground utilities, and landscaping. Structural or grading plans regarding the proposed residential development were not provided to us at the time of this report.

SUMMARY OF FIELD AND LABORATORY WORK

Subsurface Investigation

Subsurface exploration for this investigation was conducted at the site on February 20, 2019 and February 21, 2019, and consisted of drilling eight (8) exploratory borings. The borings were drilled to maximum depths of approximately 51.5 feet below the existing ground surface utilizing a truck-mounted, hollow-stem-auger drill rig. A representative of *Albus-Keefe & Associates, Inc*. logged the exploratory excavations. Visual and tactile identifications were made of the materials encountered, and their descriptions are presented on the Exploration Logs in Appendix A. The approximate locations of the exploratory excavations completed by this firm are shown on the enclosed Geotechnical Map, Plate 1.

Bulk, relatively undisturbed and Standard Penetration Test (SPT) samples were obtained at selected depths within the exploratory boring for subsequent laboratory testing. Relatively undisturbed samples were obtained using a 3-inch O.D., 2.5-inch I.D., California split-spoon soil sampler lined with brass rings. SPT samples were obtained from the boring using a standard, unlined SPT soil sampler. During each sampling interval, the sampler was driven 18 inches with successive drops of a 140-pound automatic hammer falling 30 inches. The number of blows required to advance the sampler was recorded for each six inches of advancement. The total blow count for the lower 12 inches of advancement per soil sample is recorded on the exploration log. Samples were placed in sealed containers or plastic bags and transported to our laboratory for analyses. The borings were backfilled with auger cuttings upon completion of sampling.

Percolation Testing

Percolation testing was performed on March 8, 2019, in general conformance with the constant-head test procedures outlined in the referenced Well Permeameter Method (USBR 7300-89). A water hose attached to a water source on site was connected to an inline flow meter to measure the water flow. The flow meter is capable of measuring flow rates up to 13 gallons per minute and as low as 0.06 gallons per minute. A valve was connected in line with the flow meter to control the flow rate. A filling hose was used to connect the flow meter and the test wells. Water was introduced by the filling hose near the bottom of the test well. A water level meter with 1/100-foot divisions was used

to measure the depths to the water surface from the top of well casing. Flow to the well was terminated upon either completion of testing of all the pre-determined water levels or the flow rate exceeded the maximum capacity of the flow meter. Measurements obtained during the percolation testing are provided on Plates C-1 and C-2 (Appendix C). The casings were removed and the wells backfilled after the completion of testing.

Laboratory Testing

Selected samples of representative earth materials from our borings were tested in the laboratory. Tests consisted of USCS classification, in-situ moisture content and dry density, and sieve analysis. Descriptions of laboratory testing and the test results are presented in Appendix B and on the Exploration Logs in Appendix A.

ANALYSIS OF DATA

Subsurface Conditions

Descriptions of the earth materials encountered during our investigations are summarized below and are presented in detail on the Exploration Logs presented in Appendix A.

Soil materials encountered at the site consist of alluvial deposits overlain by undocumented artificial fills associated with the previous site development. Based on our exploratory borings, the artificial fill materials typically measure 2 to 6 feet below existing grades. Thicker portions of the artificial fill were generally observed within the central and east half of the site. However, artificial fills of greater thickness may be present within portions of the site. The artificial fill materials are generally comprised of brown silty sand and sandy silt. These materials are typically damp to very moist and loose to medium dense.

The alluvial deposits were encountered below the artificial fill materials to the maximum depth of exploration, 51.5 feet below the ground surface (bgs). The alluvial deposits are comprised of predominantly coarse-grained soils with occasional fine-grained layers typically encountered at depths of 20 to 30 feet below the ground surface. The fine-grained layers varied in thickness and were generally not consistent throughout the site. The coarse-grained soils typically consist of brown sand with varying amounts of silt. These deposits are typically damp to very moist, and loose to medium dense but become dense to very dense at a depth of about 10 feet beneath the ground surface. The fine-grained soils typically consist of light brown and reddish-brown sandy silt, silty clay, and clayey silt. These deposits are typically damp to wet, and stiff to hard.

Groundwater

Groundwater was not encountered during this firm's subsurface exploration to the maximum depth explored, 51.5 feet below the existing ground surface. The only exception is encountering a perched groundwater condition in boring B-5 at 28 feet below the existing ground surface. A review of the CGS Seismic Hazard Zone Report 024 indicates that historical high groundwater levels for the general site area have been mapped as deep as 50 to 100 feet below the existing ground surface.

Percolation Data

Analyses were performed to evaluate permeability using the flow rate obtained at the end of the constant-head stage of field percolation testing. These analyses were performed in accordance with the procedures provided in the referenced USBR 7300-89. The procedure essentially uses a closed-form solution to the percolation out of a small-diameter well.

Using the USBR method, we calculated a composite permeability value for the head condition maintained in the well. The result is summarized in Table 1 below and the supporting analyses are included in Appendix C, Plates C-3 and C-4.

TABLE 1
Summary of Back-Calculated Permeability Coefficient from Constant Head Test

Location	Total Depth of Well (ft)	Depth to Water in Well (ft)	Height of Water in Well (ft)	Static Flow Rate (gal/min)	Estimated Permeability, k_s (in/hr)
P-1	14.5	9.5	5.0	0.10	0.15
P-2	39.0	34.0	5.0	1.00	1.47

Design of Dry Well

Infiltration in a dry well was modeled using the software Seep/W, version 2007, by Geo-Slope International. The program allows for modeling of both partially-saturated and saturated porous medium using a finite element approach to solve Darcy's Law. The program can evaluate both steady-state and transient flow in planer and axisymmetric cases. Regions within the model can be set to represent a finite area or to extend in a direction infinitely. Boundaries of the model can be identified with various conditions including fix total head, fix pressure head, fix flow rate, and head as a function of flow. Soil conductivity properties can be modeled with either Fredlund et al. (1994), Green and Corey (1971), Van Genuchten (1980), or Saxton et al. (1986). The parameters suggested by Saxton et al. (1986) were selected for use in our model and were based on test results of particle-size analyses and estimated in-place densities.

A Seep/W model was setup for a well configuration with the bottom of the dry well at a depth of 45 below ground surface. The top 18 feet of the dry well assumed a shaft that is 6 feet in diameter and contains a settling chamber having an inside diameter of 4 feet and outside diameter of 4.5 feet. Below 18 feet, the shaft is assumed to be 4 feet in diameter. The annular space around the chamber and below the chamber is assumed to consist of gravel. A more detailed configuration of the dry well design can be found on Plate 2.

The model consisted of three (3) material types within three (3) zones that represent the general soil profile. The upper zone (Material # 1) represents the upper 5 feet where infiltration will not be allowed. The saturated conductivity of this layer is represented by a set of input parameters to be nearly impermeable. The second (Material # 2) represents the granular zone with varying amounts of silt that was typically encountered between approximate depths of 5 to 35 feet. A saturated

conductivity of 0.15 in/hr was utilized for this layer and was based on the percolation and laboratory testing. The bottom layer (Material # 3) represents the sand with silt layer encountered at the depth of 35 feet. A saturated conductivity of 1.5 in/hr was utilized for this layer and was based on the percolation and laboratory testing. A summary of the well model parameters is provided in Table 2.

TABLE 2
Summary of Characteristic Curve Parameters

Zone No.	Material No.	USCS Classification	Depth (ft)	Ks (in/hr)	Van Genuchten Parameters				
					a (1/cm)	n	m	Sat. Water Content	Residual Water Content
1	1	Imperm.	0 – 5	0.001	0.010	1.21	0.18	0.40	0.0100
2	2	SM/SP-SM	5 – 35	0.150	0.073	1.17	0.14	0.42	0.0100
3	3	SP-SM	>35	1.500	0.064	1.32	0.24	0.36	0.0125

A steady state analysis was performed to estimate the maximum inflow that the well can accommodate. Using a well with a depth of 45 feet, we obtain a static total flow of 0.06 ft³/sec. A plot depicting the resulting pressure head contours and flow vectors for the model is provided on Plate C-5.

To evaluate the time required to empty the well once no more water is introduced, the model was reanalyzed with a variable head condition that was dependent upon the volume of water leaving the well. As water infiltrates into the surrounding soil, both the volume of water remaining in the well and the total head in the well drop. A graph of the well head versus exit volume for the well is provided in Figure 2. The function assumes a void ratio of 0.4 within the zones occupied by gravel. If some other well configuration is used, the analyses will require updating.

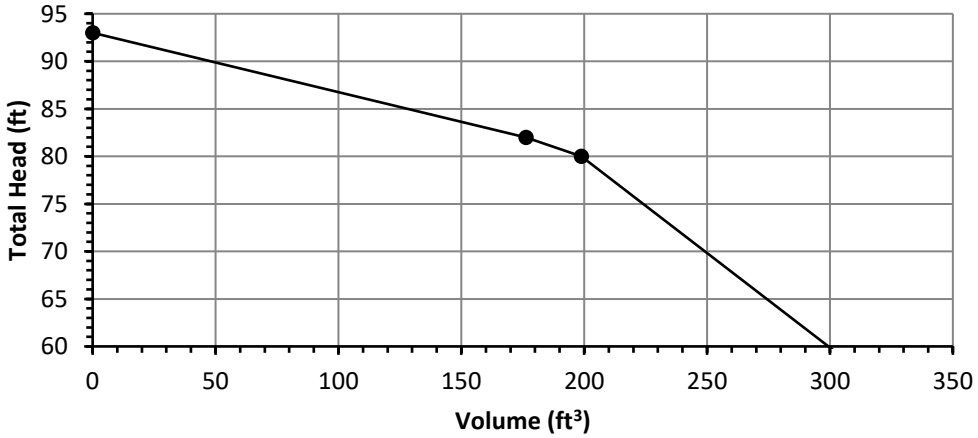


Figure 2 45-foot-deep, 4-foot-diameter Well Head Function

The analysis was performed as a transient case over a total time of approximately 12 hours. The conditions in the model were evaluated in various increments of time over the total duration. From our analyses, the water is completely evacuated from the settling chamber in approximately 2.25 hours. A plot depicting the resulting pressure head contours and flow vectors at selected times are provided in Appendix C, Plates C-6 through C-9. A plot of time versus water height in the well is shown on Figure 3.

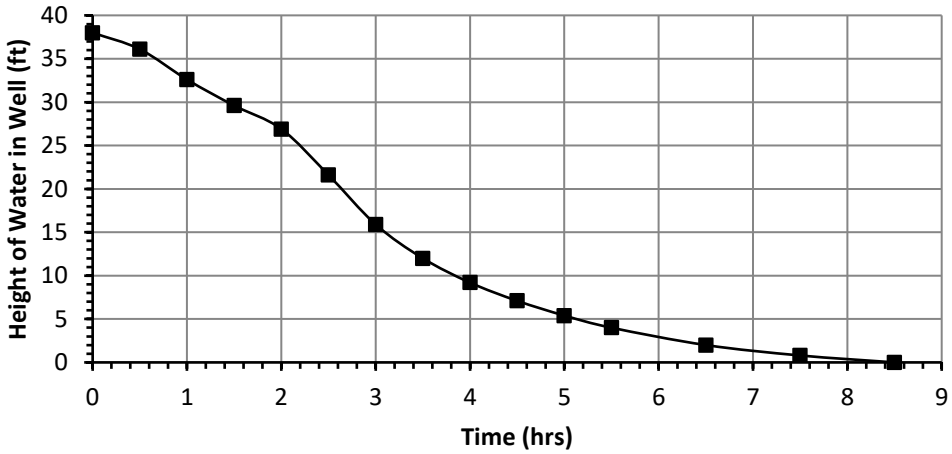


Figure 3 Height of water in 45-foot-deep, 4-foot-diameter Dry Well

CONCLUSIONS AND RECOMMENDATIONS

Results of our work indicate a storm water disposal system consisting of dry wells is feasible at the site. The use of dry wells is not anticipated to result in worsening any adverse conditions or hazards that may be present for the proposed site development or adjacent properties including subsidence, landsliding, or liquefaction.

Based on the results of percolation testing and analyses, the percolation rate for the well configuration as depicted on Plate 2 may utilize an unfactored (measured) peak flow rate of 0.06 ft^3/sec. An appropriate factor of safety should be applied to the flow rate as required by the appropriate governmental authority. Based on this peak flow and the modeled drywell configuration, the maximum average infiltration rate around the wetted perimeter of the well is the flow divided by the area which equals 4.6 in./hr.

Once water flow to the well has ceased, the well is estimated to require approximately 2.25 hours to empty the chamber. As such, the time to empty for the dry well should be considered in the overall draw down time of the storm system.

Should you require multiple dry wells across the site, the wells should be spaced at least 50 feet, center to center, to avoid cross influence. The wells should be located at least 20 feet horizontally from any habitable structure or property line.

The actual flow capacity of the dry well could be less or more than the estimated value. As such, provisions should be made to accommodate excess flow quantities in the event the dry well does not infiltrate the anticipated amount. The design also assumes that sediments will be removed from the inflowing water through an upper chamber or other device. Sediments that are allowed to enter the dry well will tend to degrade the flow capacity by plugging up the infiltration surfaces.

In general, the dry well may consist of a concrete inner chamber surrounded by ½-inch open graded gravel. The concrete chamber should have perforations to allow the well to drain. The holes should be sized to prevent piping of the gravel into the chamber. A general diagram of the dry well is provided on Plate 2.

In general, the dry well shaft is anticipated to be adequately stable under temporary construction conditions for uncased drilling. However, occasional layers or lenses of granular materials are likely to occur and may be prone to sloughing and caving. In the event of caving, casing will be required to install the well. Workers should not enter the shaft unless the excavation is laid back or shored in accordance with OSHA requirements. The placement and compaction of backfill materials, including the gravel and slurry, should be observed by the project geotechnical consultant.

LIMITATIONS

This report is based on the geotechnical data as described herein. The materials encountered in our boring excavations and utilized in our laboratory testing for this investigation are believed representative of the study area, and the conclusions and recommendations contained in this report are presented on that basis. However, soil and bedrock materials can vary in characteristics between points of exploration, both laterally and vertically, and those variations could affect the conclusions and recommendations contained herein. As such, observations by a geotechnical consultant during the construction phase of the storm water infiltration systems are essential to confirming the basis of this report.

This report has been prepared consistent with that level of care being provided by other professionals providing similar services at the same locale and time period. The contents of this report are professional opinions and as such, are not to be considered a guaranty or warranty.

This report should be reviewed and updated after a period of one year or if the site ownership or project concept changes from that described herein. This report has been prepared for the exclusive use of the **Pacific Plaza Premier Development Group** to assist the project consultants in the design of the proposed development. This report has not been prepared for use by parties or projects other than those named or described herein. This report may not contain sufficient information for other parties or other purposes.

This report is subject to review by the controlling governmental agency.

We appreciate this opportunity to be of service to you. If you should have any questions regarding the contents of this report, please do not hesitate to call.

Sincerely,

ALBUS-KEEFE & ASSOCIATES, INC.

Mark Principe
Staff Engineer

Paul Kim
Associate Engineer
P.E. 77214



Enclosures: Plate 1- Geotechnical Map
Plate 2- Dry Well Design
Appendix A - Exploratory Logs
Appendix B - Laboratory Testing
Appendix C - Percolation Testing and Analyses

REFERENCES

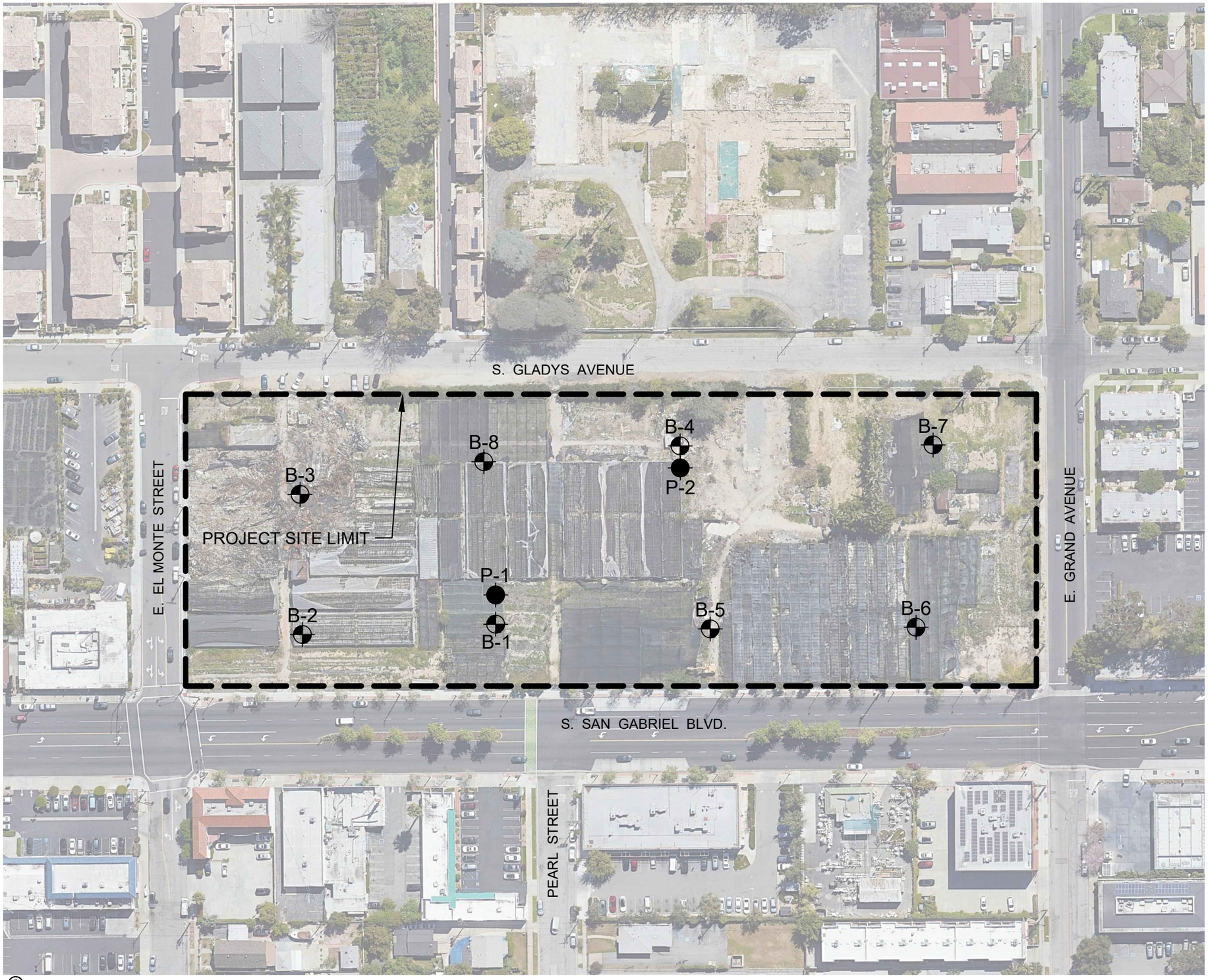
Publications and Reports

California Department of Conservation, Division of Mines and Geology, Seismic Hazard Report 027, "Seismic Hazard Zone Report for the Inglewood 7.5-Minute Quadrangle, Los Angeles County, California", 1998.

Dewatering and Groundwater Control, by the Departments of The Army, The Navy, and The Air Force, TM 5-818-5/AFM 88-5, Chap 6/NAVFAC P-418, November 1983.

Procedure for Performing Field Permeability Testing by the Well Permeameter Method, by United States Department of The Interior, Bureau of Reclamation (USBR 7300-89).

Saxton, K.E., W.J. Rawls, J.S. Romberger, and R.I. Papendick. 1986. Estimating generalized soil-water characteristics from texture. Soil Sci. Soc. Am. J. 50(4):1031-103



© Google 2019

0 40 80 160

APPROX SCALE : 1" = 80'

EXPLANATION

(Locations Approximate)

- Exploratory Boring
- Exploratory Percolation Well

ALBUS-KEEFE & ASSOCIATES, INC.
GEOTECHNICAL CONSULTANTS

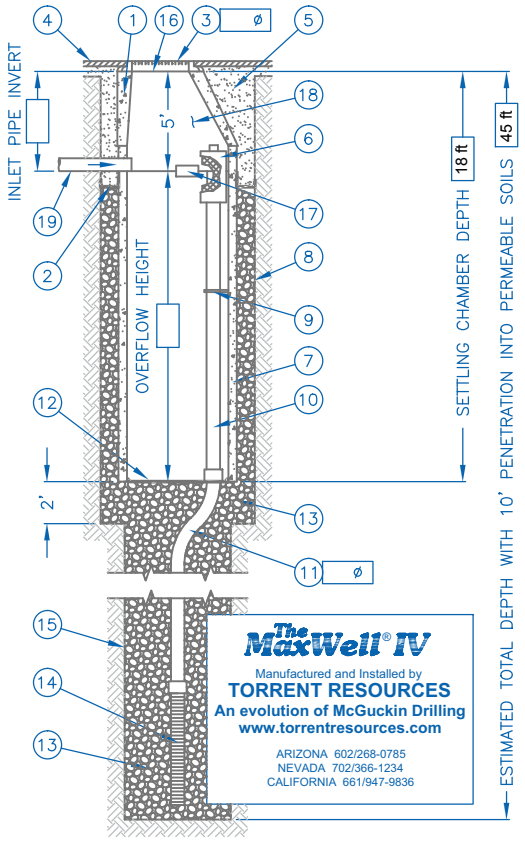
GEOTECHNICAL MAP

Job No.: 2798.00	Date: 03/20/19	Plate: 1

MAXWELL® IV DRAINAGE SYSTEM DETAIL AND SPECIFICATIONS

ITEM NUMBERS

1. **Manhole Cone** - Modified Flat Bottom.
2. **Moisture Membrane** - 6 Mil. Plastic. Applies only when native material is used for backfill. Place membrane securely against eccentric cone and hole sidewall.
3. **Bolted Ring & Grate** - Diameter as shown. Clean cast iron with wording **"Storm Water Only"** in raised letters. **Bolted in 2 locations** and secured to cone with mortar. Rim elevation ±0.02' of plans.
4. **Graded Basin or Paving** (by Others).
5. **Compacted Base Material** - 1-Sack Slurry except in landscaped installtions with no pipe connections.
6. **PureFlo® Debris Shield** - Rolled 16 ga. steel X 24" length with vented anti-siphon and Internal .265" Max. SWO flattened expanded steel screen X 12" length. **Fusion bonded epoxy coated.**
7. **Pre-cast Liner** - 4000 PSI concrete 48" ID. X 54" OD. **Center in hole** and align sections **to maximize bearing surface.**
8. **Min. 6' Ø Drilled Shaft.**
9. **Support Bracket** - Formed 12 Ga. steel. **Fusion bonded epoxy coated.**
10. **Overflow Pipe** - Sch. 40 PVC mated to drainage pipe at base seal.
11. **Drainage Pipe** - ADS highway grade with TRI-A coupler. **Suspend pipe** during backfill operations to prevent buckling or breakage. Diameter as noted.
12. **Base Seal** - Geotextile or concrete slurry.
13. **Rock** - Washed, sized between 3/8" and 1-1/2" to **best complement soil conditions.**
14. **FloFast® Drainage Screen** - Sch. 40 PVC 0.120" slotted well screen with 32 slots per row/ft.Diameter varies 120" overall length with TRI-B coupler.
15. **Min. 4' Ø Shaft** - Drilled to **maintain permeability** of drainage soils.
16. **Fabric Seal** - U.V. resistant geotextile - **to be removed by customer** at project completion.
17. **Absorbent** – Hydrophobic Petrochemical Sponge. Min. to 128 oz. capacity.
18. **Freeboard Depth** Varies with inlet pipe elevation. Increase settling chamber depth as needed to maintain all inlet pipe elevations above overflow pipe inlet.
19. **Optional Inlet Pipe** (Maximum 4", by Others). Extend moisture membrane and compacted base material or 1 sack slurry backfill below pipe invert.



AZ Lic. ROC070465 A, ROC047067 B-4, ADWR 363
CA Lic. 528080, C-42, HAZ.
NV Lic. 0035350 A - NM Lic. 90504 GF04

U.S. Patent No. 4,923,330 - ™ Trademark 1974, 1990, 2004

The referenced drawing and specifications are available on CAD either through our office or web site. This detail is copyrighted (2004) but may be used as is in construction plans without further release. For information on product application, individual project specifications or site evaluation, contact our Design Staff for no-charge assistance in any phase of your planning.

CALCULATING MAXWELL IV REQUIREMENTS

The type of property, soil permeability, rainfall intensity and local drainage ordinances determine the number and design of MaxWell Systems. For general applications draining retained stormwater, use one standard **MaxWell IV** per the instructions below for up to 3 acres of landscaped contributory area, and up to 1 acre of paved surface. For larger paved surfaces, subdivision drainage, nuisance water drainage, connecting pipes larger than 4" Ø from catch basins or underground storage, or other demanding applications, refer to our **MaxWell® Plus** System. For industrial drainage, including gasoline service stations, our **Envibro® System** may be recommended. For additional considerations, please refer to **"Design Suggestions For Retention And Drainage Systems"** or consult our Design Staff.

COMPLETING THE MAXWELL IV DRAWING

To apply the **MaxWell IV** drawing to your specific project, simply fill in the blue boxes per instructions below. For assistance, please consult our Design Staff.

45 feet ESTIMATED TOTAL DEPTH

The Estimated Total Depth is the approximate depth required to achieve 10 continuous feet of penetration into permeable soils. Torrent utilizes specialized **"crowd"** equipped drill rigs to penetrate difficult, cemented soils and to reach permeable materials at depths up to **180 feet.** Our extensive database of drilling logs and soils information is available for use as a reference. Please contact our Design Staff for site-specific information on your project.

18 feet SETTLING CHAMBER DEPTH

On MaxWell IV Systems of over 30 feet overall depth and up to 0.25cfs design rate, the **standard** Settling Chamber Depth is **18 feet .** For systems exposed to greater contributory area than noted above, extreme service conditions, or that require higher design rates, chamber depths up to 25 feet are recommended.

' OVERFLOW HEIGHT

The Overflow Height and Settling Chamber Depth determine the effectiveness of the settling process. The higher the overflow pipe, the deeper the chamber, the greater the settling capacity. For normal drainage applications, an overflow height of **13 feet** is used with the standard settling chamber depth of **18 feet**. Sites with higher design rates than noted above, heavy debris loading or unusual service conditions require greater settling capacities

"Ø DRAINAGE PIPE

This dimension also applies to the **PureFlo®** Debris Shield, the **FloFast®** Drainage Screen, and fittings. The size selected is based upon system design rates, soil conditions, and the need for adequate venting. Choices are 6", 8", or 12" diameter. Refer to "Design Suggestions for Retention and Drainage Systems" for recommendations on which size best matches your application.

"Ø BOLTED RING & GRATE

Standard models are quality cast iron and available to fit 24" Ø or 30" Ø manhole openings. All units are bolted in two locations with wording "Storm Water Only" in raised letters. For other surface treatments, please refer to "Design Suggestions for Retention and Drainage Systems."

"Ø INLET PIPE INVERT

Pipes up to 4" in diameter from catch basins, underground storage, etc. may be connected into the settling chamber. Inverts deeper than 5 feet will require additional settling chamber depth to maintain effective overflow height.

TORRENT RESOURCES INCORPORATED
1509 East Elwood Street, Phoenix Arizona 85040~1391
phone 602~268~0785 fax 602~268~0820
Nevada 702~366~1234
AZ Lic. ROC070465 A, ROC047067 B-4; ADWR 363
CA Lic. 528080 A, C-42, HAZ ~ NV Lic. 0035350 A ~ NM Lic. 90504 GF04

TORRENT RESOURCES (CA) INCORPORATED
phone 661~947~9836
CA Lic. 886759 A, C-42
www.TorrentResources.com
An evolution of McGuckin Drilling

The watermark for drainage solutions.®

PLATE 2

TORRENT® RESOURCES

APPENDIX A

EXPLORATORY LOGS

EXPLORATION LOG

Project:		Location:
Address:		Elevation:
Job Number:	Client:	Date:
Drill Method:	Driving Weight:	Logged By:

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
5		**EXPLANATION** Solid lines separate geologic units and/or material types. Dashed lines indicate unknown depth of geologic unit change or material type change. **Solid black rectangle** in Core column represents California Split Spoon sampler (2.5in ID, 3in OD). **Double triangle** in core column represents SPT sampler. **Vertical Lines** in core column represents Shelby sampler. **Solid black rectangle** in Bulk column respresents large bag sample. **Other Laboratory Tests:** Max = Maximum Dry Density/Optimum Moisture Content EI = Expansion Index SO4 = Soluble Sulfate Content DSR = Direct Shear, Remolded DS = Direct Shear, Undisturbed SA = Sieve Analysis (1" through #200 sieve) Hydro = Particle Size Analysis (SA with Hydrometer) 200 = Percent Passing #200 Sieve Consol = Consolidation SE = Sand Equivalent Rval = R-Value ATT = Atterberg Limits							
10									
15									
20									

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-1
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 376.5
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, very moist, loose, fine and coarse grained sand, trace pores		11		■	17.8	110.5	
		@ 4 ft, trace clay		14		■	15.5	110	
5		**ALLUVIUM (Qal)** Silty Sand (SM): Light brown, very moist, medium dense, medium to coarse grained sand		17		■	6.8	100.6	
		Sand with Silt (SP-SM): Light brown, moist, medium dense, medium to coarse grained sand, trace mica							
10		Silty Sand (SM): Brown, very moist, very loose, fine grained sand, trace coarse gravel, with clay, sandy silt layers		4		■	22.8	94.6	Consol
15		@ 15 ft, loose		4	⧗				SA Hydro
20		@ 20 ft, light brown, medium dense, clayey silt nodules, no coarse sand, decreased fines		15	⧗				

Albus-Keefe & Associates, Inc.

Plate A-2

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-1
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 376.5
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		@ 25 ft, light reddish brown, some clay, increased fines		15					
30		@ 30 ft, dense, trace coarse grained sand, decreased fines		18					
		Sand with Silt (SP-SM): Reddish brown, damp, dense, fine to medium grained sand							
35				19					
40		@ 40 ft, light brown, medium dense, fine grained sand		16					
45		@ 45 ft, dense, silt nodules		23					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-1
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 376.5
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples			Laboratory Tests		
				Blows Per Foot	Core	Bulk	Moisture Content (%)	Dry Density (pcf)	Other Lab Tests
		@ 50 ft, medium brown, increased fines		18					
		End of boring at 51.5 feet. No groundwater encountered. Percolation test well (P-1) installed 10 feet away from boring. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-2
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 378.7
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, moist, fine to coarse grained sand, some clay							
		ALLUVIUM (Qal) Silty Sand (SM): Brown, moist, loose, fine and coarse grained sand, some clay		6			12.9	110.5	
5		@ 4 ft, reddish brown, fine to coarse gravel		8			8.5	117.2	
		@ 6 ft, bedrock fragments		12					
		@ 7 ft, brown, fine to medium grained sand, trace clay, no gravel					10.6	118.2	DS
10		@ 10 ft, light brown, fine to coarse gravel, possible cobbles, decreased fines		14			5.2	107.2	SO4 pH Ch
15		@ 15 ft, dense, no gravel		26					
		Clay (CL): Reddish brown, damp, very stiff, trace fine grained sand, with silt							
20				15					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-2
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 378.7
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
				11					
		Sandy Silt (ML): Light brown, damp, very stiff, fine grained sand							
30				12					
		Silty Sand (SM): Light brown, damp, dense, fine grained sand							
35				19					
40		@ 40 ft, damp, very dense, fine to coarse gravel, fine to coarse grained sand		53					
		End of boring at 41.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-3
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Medium brown, moist, loose, fine grained sand		9	■		13.7	100.6	
				11	■		9.8	111.6	
5		@ 5.5 ft, increased medium grained sand							
		ALLUVIUM (Qal) Sand with Silt (SP-SM): Light brown, damp, medium dense, medium to coarse grained sand, trace fine gravel, trace silt		21	■		3.5	105.5	
		Silty Sand / Sandy Silt (SM/ML): Medium brown, moist, medium dense / stiff, fine grained sand, trace medium grained sand							
10				7	■		12.6	94.8	Consol
15		@ 15 ft, medium reddish brown, trace course grained sand		7	⧗				
		Silty Sand/ Sand with Silt (SM/ SP-SM): Light gray brown, damp, dense, fine to coarse grained sand, little fine to coarse gravel							
20				30	⧗				
		Clay (CL): Reddish brown, moist, hard, trace fine grained sand, with silt							
		Sandy Silt (ML): Reddish brown, moist, hard, fine to coarse grained sand, trace clay							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-3
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
				26					
30				13					
		Silty Sand/Sandy Silt (SM/ML): Reddish yellow, moist, medium dense/stiff, fine grained sand							
		Silty Sand (SM): Reddish brown, moist, dense, fine grained sand							
35				22					
40		@ 40 ft, medium dense		17					
45		@ 45 ft, dense		18					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-3
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples			Laboratory Tests		
				Blows Per Foot	Core	Bulk	Moisture Content (%)	Dry Density (pcf)	Other Lab Tests
		@ 50 ft, trace fine gravel		23					
		End of boring at 51.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-4
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 375.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, moist, medium dense, fine to medium grained sand, trace pores		20	■		6.7	107.4	
		ALLUVIUM (Qal)		22	■		1.7		
5		Sand (SP): Light grayish brown, damp, medium dense, fine to coarse grained sand, few fine to coarse gravel		28	■		4.6	104.9	DS
10				18	■				SO4 pH Ch
		Silty Sand (SM): Medium reddish brown, moist, fine to medium grained sand, trace fine gravel							
15				9	⧗				
20		@ 20 ft, light reddish brown, damp, dense, fine to medium grained sand, decreased fines, some fine gravel		28	⧗				

Albus-Keefe & Associates, Inc.

Plate A-10

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-4
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 375.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		@ 25 ft, reddish brown, moist, fine grained sand, increased fines, no gravel, some clay		21					
30		@ 30 ft, damp, very dense, fine grained sand, decreased fines, trace medium grained sand		32					
		Sand (SP-SM): Reddish brown, damp, dense, fine to medium grained sand, with silt							
35				19					
40		@ 40 ft, very dense		34					SA Hydro
45		@ 45 ft, medium to coarse grained sand, decreased fines, trace fine gravel		62					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-4
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 375.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples			Laboratory Tests		
				Blows Per Foot	Core	Bulk	Moisture Content (%)	Dry Density (pcf)	Other Lab Tests
		@ 50 ft, light grayish brown		38					
		End of boring at 51.5 feet. No groundwater encountered. Backfilled with soil cuttings. Percolation test well (P-2) installed 10 feet away from boring.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-5
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 374.3
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand/ Sandy Silt (SM/ML): Light brown, damp, loose, fine grained sand, trace pores		11	■		8.6	97	
5		Silty Sand (SM): Light brown, damp, medium dense, fine grained sand, trace pores		20	■		4.5	106.6	
		ALLUVIUM (Qal) Sand (SP): Light gray brown, damp, medium dense, fine to medium grained sand, trace fine gravel, friable		16	■		1.7		
10		@ 10 ft, loose, increased medium grained sand		12	■		7.2	105.8	Consol
15		@ 15 ft, dense		26	⧗				
20				30	⧗				

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-5
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 374.3
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		@ 25 ft, increased fines		31					
		Sandy Silt (ML): Reddish brown, wet, hard, fine to medium grained sand							
30				26					
		Silt Sand (SM): Reddish brown, damp, dense, fine grained sand, trace medium grained sand							
35				23					
		Sand with Silt (SP-SM): Light reddish brown, very dense, fine to coarse grained sand, trace fine gravel							
40				41					
		End of boring at 41.5 feet. Perched groundwater observed at 28 feet. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-6
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 372.9
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, very moist, medium dense, fine grained sand, few medium grained sand, trace clay							
		ALLUVIUM (Qal)		16			9.9	127.4	
		Sand (SP): Light reddish brown, damp, medium dense, fine to coarse grained sand, trace fine gravel		26			5.8	101.7	
5				29			7.7	102.8	
		Silty Sand (SM): Brown, moist, medium dense, fine to medium grained sand, trace fine gravel							
10				18			14.3	109	Consol
		Sand with Silt (SP-SM): Light reddish brown, dense, fine to coarse grained sand, trace fine gravel							
15				23					
		Silty Sand (SM): Light reddish brown, damp, medium dense, fine grained sand, trace medium grained sand, trace fine gravel							
20				19					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-6
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 372.9
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Sandy Silt (ML): Reddish brown, damp, dense, trace fine to course grained sand, iron oxide stain, trace clay		20					
30		Silty Sand (SM): Light reddish brown, damp, dense, fine to medium grained sand, trace clay		27					
35		@ 35 ft, fine grained sand, increased fines		24					
		Sand with Silt (SP-SM): Light brown, damp, very dense, fine to coarse sand, few fine gravel		52					
40									
45		@ 45 ft, increased fine gravel		67					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-6
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 372.9
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples			Laboratory Tests		
				Blows Per Foot	Core	Bulk	Moisture Content (%)	Dry Density (pcf)	Other Lab Tests
50		@ 50 ft, dense, fine grained sand, trace fine gravel, thin layers of sandy silt, increased fines		21					
		End of boring at depth of 51.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-7
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, very moist, medium dense, fine to medium grained sand, trace clay		15	■		8.4	105.3	
		@ 3 ft, decreased fines, trace fine gravel							
5		**ALLUVIUM (Qal)** Sand with Silt (SP-SM): Brown, damp, medium dense, fine to coarse grained sand, trace fine to coarse gravel		19	■		4.5	107.2	
		@ 6 ft, increased gravel		34	■		2.1		
		Silty Sand (SM): Brown, damp, medium dense, fine grained sand							
10				14	■		9.4	97	Consol
15		@ 15 ft, reddish brown, dense, thin silt layers		31	⧗				
		Sand with Silt (SP-SM): Light brown, damp, dense, fine to coarse grained sand, few fine gravel							
20				23	⧗				
		Sandy Silt (ML): Reddish brown, hard, fine grained sand, with clay							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-7
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
				22					
		Silty Sand (SM): Light brown, dense, fine grained sand							
30				21					
35		@ 35 ft, silty clay nodules		24					
40				20					
		End of the boring at 41.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-8
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 377.7
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, moist, medium dense, fine to medium grained sand, few clay, trace fine gravel, trace pores		16			11.4	108.1	
5		@ 4 ft, light brown, damp, loose, fine grained sand, possible cobbles		11			6.1	98.9	
		@ 5 ft, brown, moist, fine to medium grained sand							
		ALLUVIUM (Qal) Silty Sand (SM): Light brown, moist, medium dense, fine to medium sand, trace fine gravel		14			3.3	99.7	
10		@ 10 ft, reddish brown, loose, increased fines, no gravel, trace coarse grained sand		10			6.5	96.4	Consol
		Silt (ML): Reddish brown, moist, medium stiff, fine to medium grained sand, trace coarse gravel, with clay							
15				4					
		Silty Sand (SM): Light brown, damp, very dense, fine to coarse grained sand, few coarse gravel							
20				36					
		Sandy Silt (ML): Reddish brown, damp, dense, fine grained sand							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-8
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 377.7
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

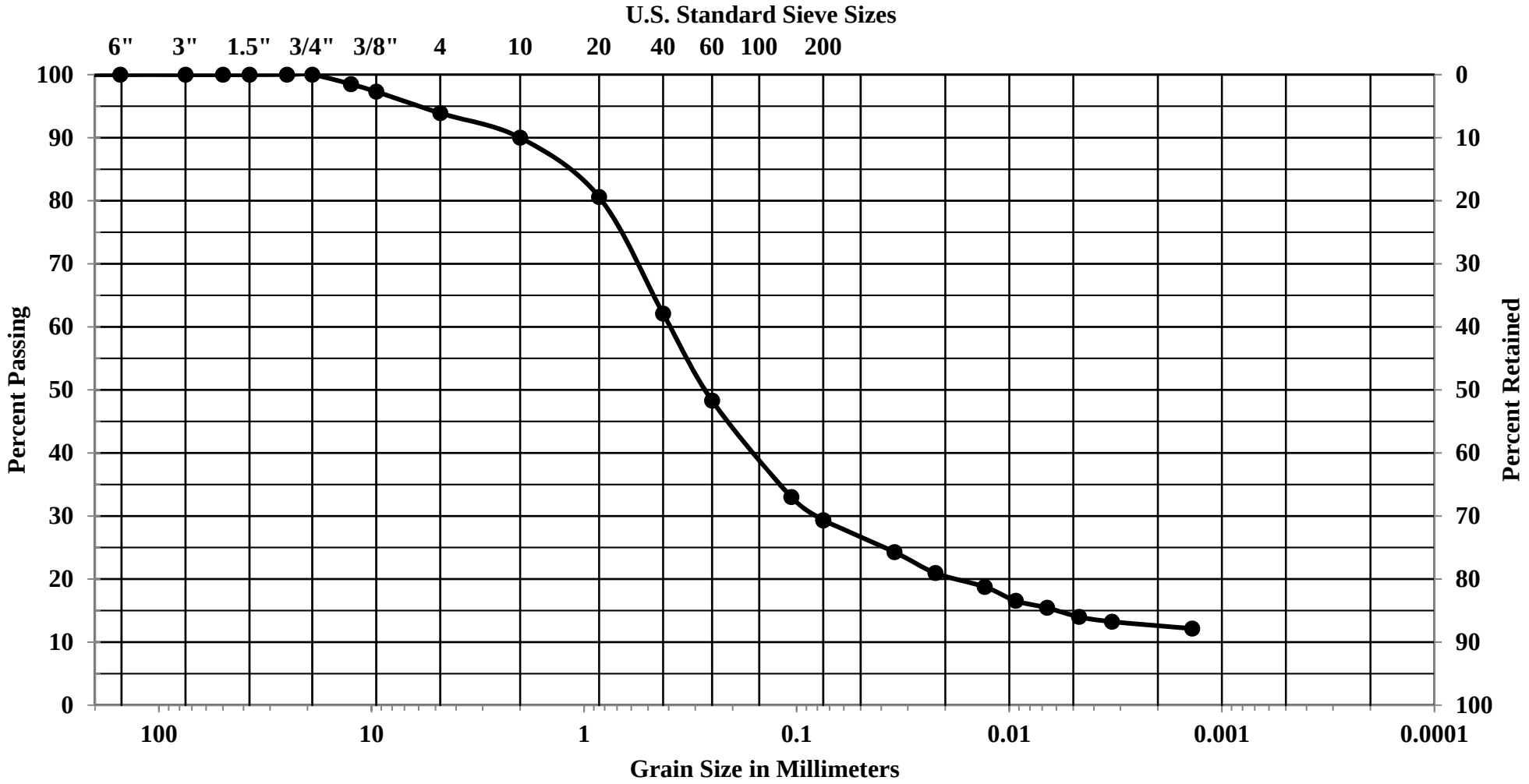
Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
				21					
		Sand with Silt (SP-SM): Light brown, damp, very dense, fine to medium grained sand, trace coarse grained sand, few coarse gravel, possible cobbles							
30				59					
35		@ 35 ft, no cobbles		53					
40				73/ 11"					
		End of boring at 41.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

APPENDIX B

LABORATORY TESTING

GRAIN SIZE DISTRIBUTION

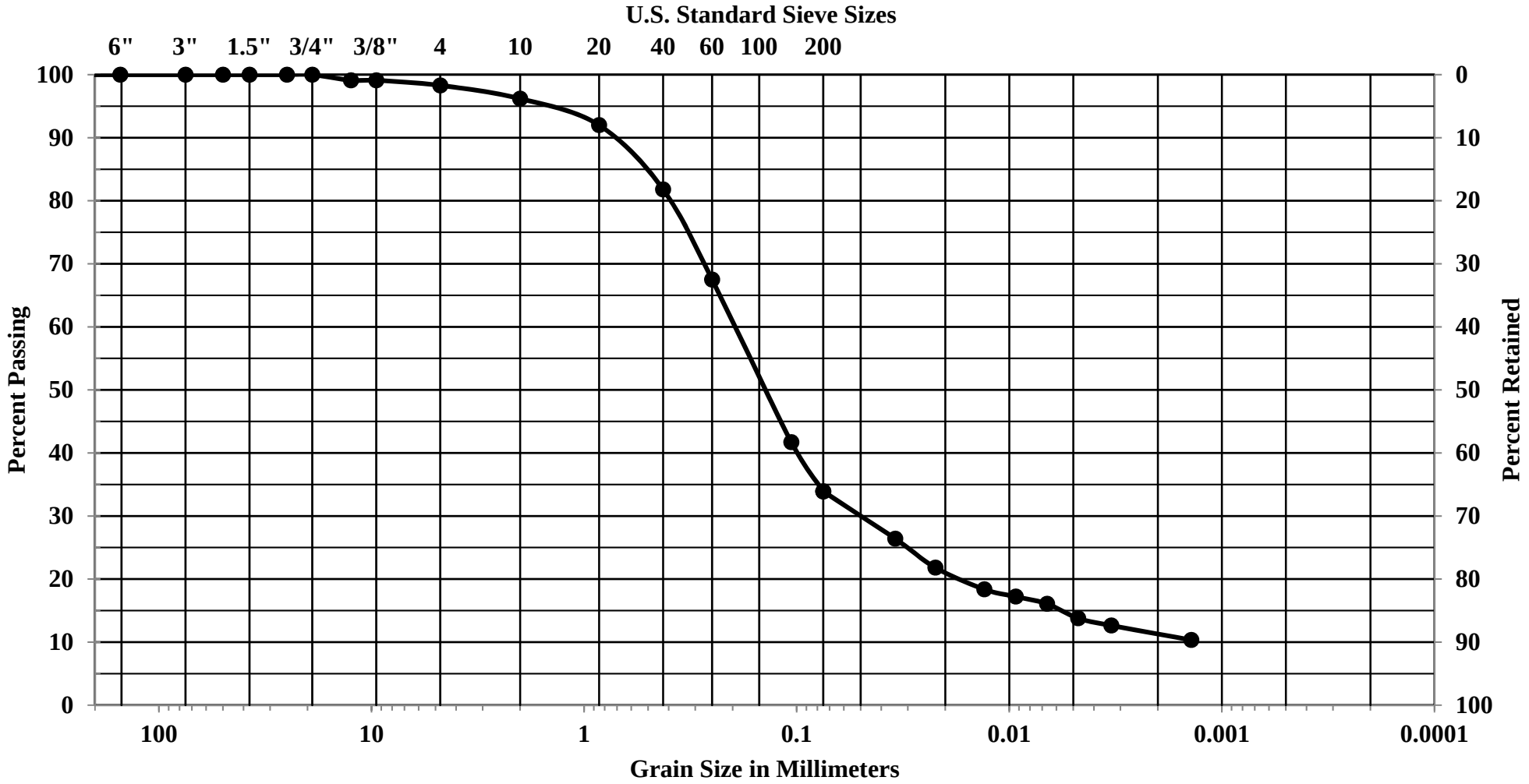
COBBLES	GRAVEL		SAND			SILT AND CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	



Job Number	Location	Depth	Description
2798.00	B-1	15	Silty Sand (SM)

GRAIN SIZE DISTRIBUTION

COBBLES	GRAVEL		SAND			SILT AND CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	



Job Number	Location	Depth	Description
2798.00	B-4	40	Silty Sand (SM)

APPENDIX C

PERCOLATION TESTING AND ANALYSES

Field Percolation Testing - Constant Head

Client: Pacific Plaza

Job. No.: 2798.00

Date Tested: 3/8/2019

Test by: MP

Location: P-1

Top of Casing to Bottom of Well (ft): 14.5

Elev. of Ground Surface (ft): 376.5

Diam. of Test Hole (in): 8

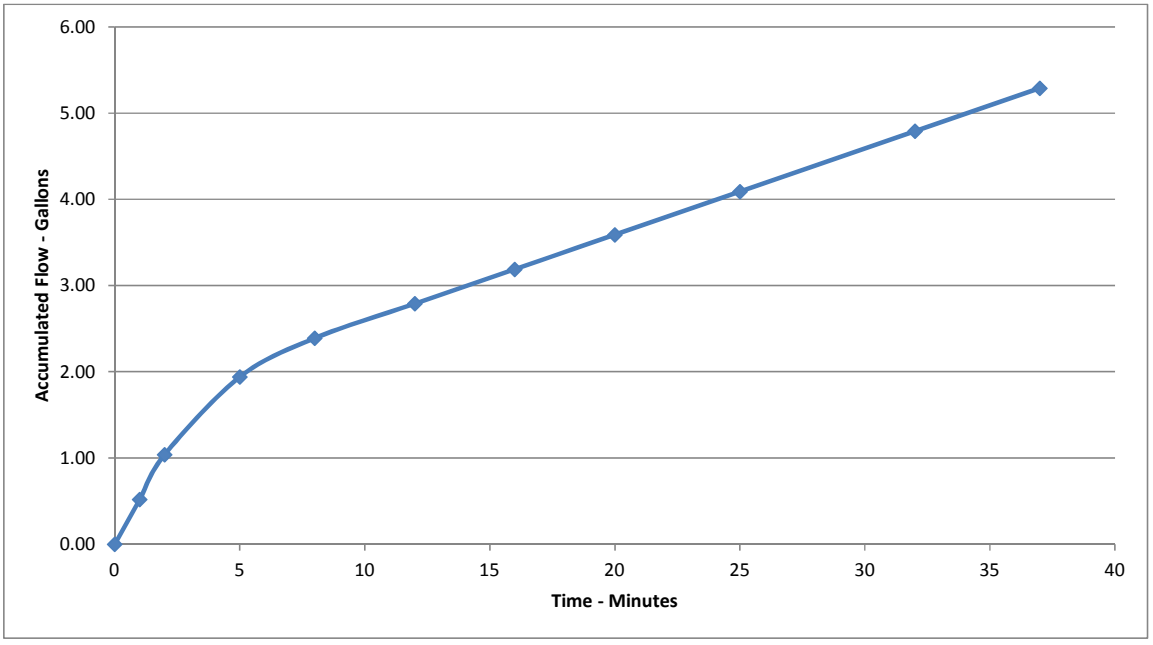
Diam. of Casing (in): 3

Ht. to Top of Casing (ft): 0

Water Tempurature (C°): 21

Constant Head

Elapsed Time (minutes)	Time	Depth to H2O (ft)	Flow Rate (gal./min.)	Total H_2O used (gal)
0	9:28	9.5	0.64	0.00
1	9:29	9.5	0.40	0.52
2	9:30	9.5	0.20	1.04
5	9:33	9.5	0.10	1.94
8	9:36	9.5	0.10	2.39
12	9:40	9.5	0.10	2.79
16	9:44	9.5	0.10	3.19
20	9:48	9.5	0.10	3.59
25	9:53	9.5	0.10	4.09
32	10:00	9.5	0.10	4.79
37	10:05	9.5	0.10	5.29



Field Percolation Testing - Constant Head

Client: Pacific Plaza

Job. No.: 2798.00

Date Tested: 3/8/2019

Test by: MP

Location: P-2

Top of Casing to Bottom of Well (ft): 39

Elev. of Ground Surface (ft): 375.1

Diam. of Test Hole (in): 8

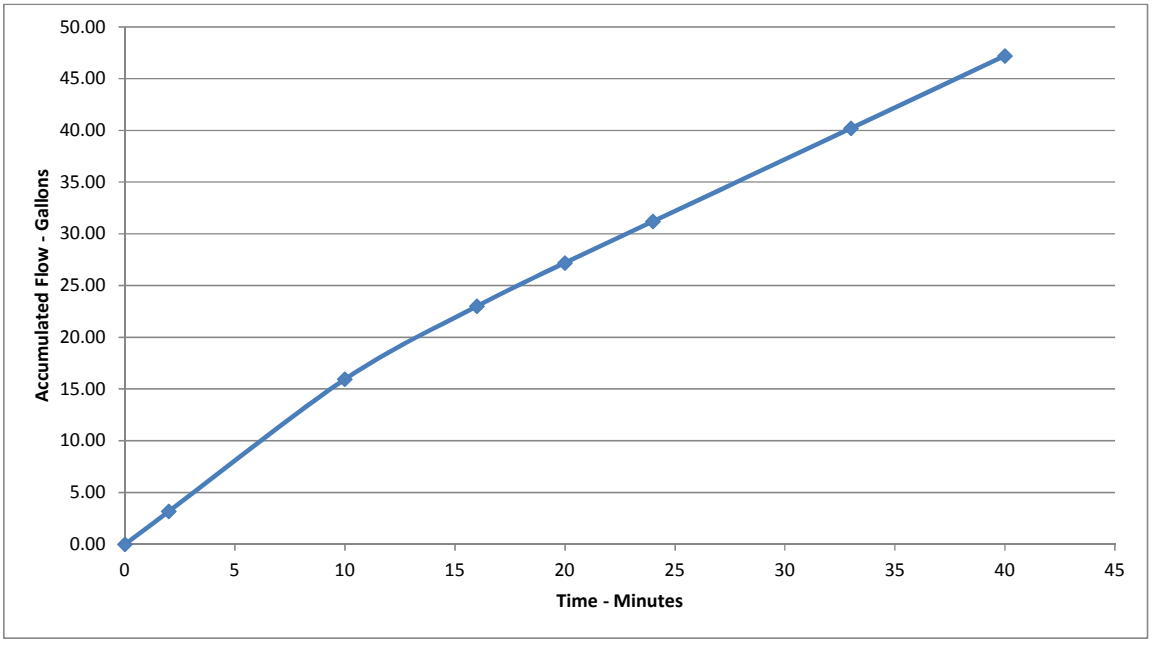
Diam. of Casing (in): 3

Ht. to Top of Casing (ft): 0

Water Tempurature (C°): 21

Constant Head

Elapsed Time (minutes)	Time	Depth to H2O (ft)	Flow Rate (gal./min.)	Total H_2O used (gal)
0	10:42	34	1.94	0.00
2	10:44	34	1.25	3.19
10	10:52	34	1.10	15.95
16	10:58	34	1.00	23.00
20	11:02	34	1.00	27.20
24	11:06	34	1.00	31.20
33	11:15	34	1.00	40.20
40	11:22	34	1.00	47.20



INFILTRATION WELL DESIGN

Constant Head
USBR 7300-89 Method
J.N.: 2798.00
Client: Pacific Plaza
Well No.: P-1

Low Water Table	Condition 1	
High Water Table & Water Below Bottom of Well	Condition 2	
High water Table with Water Above the Well Bottom	Condition 3	
		Units:
Enter Condition (1, 2 or 3):	1	
Ground Surface to Bottom of Well (h_1):	14.5	feet
Depth to Water (h_2):	9.5	feet
Height of Water in the Well (h_1-h_2=**h**):	5	feet
Radius of Well (**r**):	4.0	Inches
Minimum Volume Required:	1473.4	Gal.
Discharge Rate of Water Into Well for Steady-State Condition (**q**):	0.1	Gal/min.
Temperature (**T**):	21	Celsius
(Viscosity of Water @ Temp. T) / (Viscosity of water @ 20° C) (**V**):	0.9647	ft^3/min.
Unsaturated Distance Between the Water Surface in the Well and the Water table (T_u):		Ignore T_u
Factor of Safety:	1	
Coefficient of Permeability @ 20° C (k_{20}):	2.05E-04	ft/min.
Design k_{20}:	0.15	in./hr.

The presence or absence of a water table or impervious soil layer within a distance of less than three times that of the water depth in the well (measured from the water surface) will enable the water table to be classified as **Condition I**, **Condition II**, **Condtion III**.

Low Water Table-When the distance from the water surface in the test well to the ground water table, or to an impervious soil layer which is considered for test puposes to be equivalent to a water table, is greater than three times the depth of water in the well, classify as **Condition I**.

High Water Table-When the distance from the water surface in the test well to the ground water table or to an impervious layer is less than three times the depth of water in the well, a high water table condition exists. Use **Condition II** when the water table or impervious layer is below the well bottom. Use **Condition III** when the water table or impervious layer is above the well bottom.

INFILTRATION WELL DESIGN

Constant Head
USBR 7300-89 Method
J.N.: 2798.00
Client: Pacific Plaza
Well No.: P-2

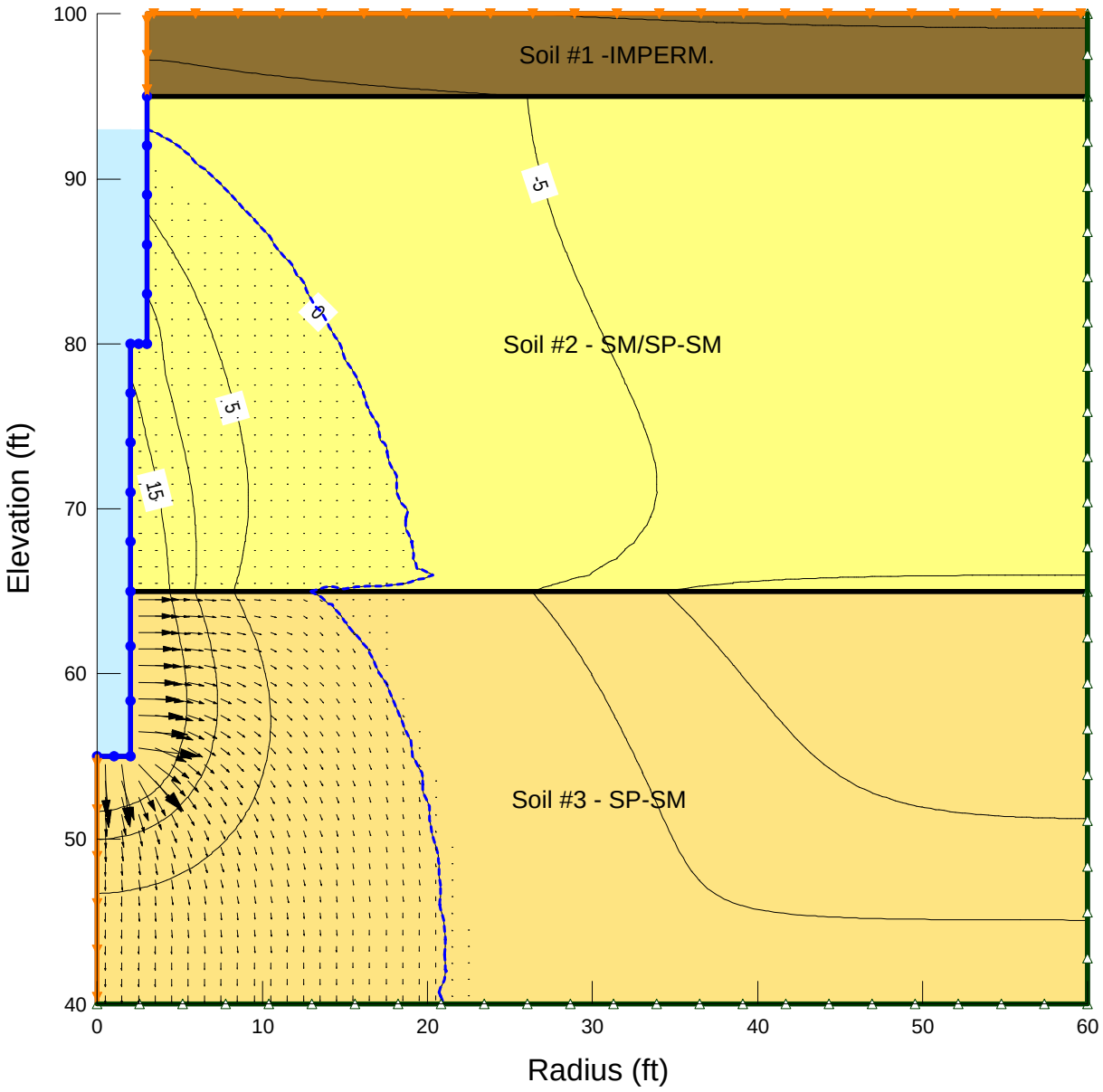
Low Water Table	Condition 1	
High Water Table & Water Below Bottom of Well	Condition 2	
High water Table with Water Above the Well Bottom	Condition 3	
		Units:
Enter Condition (1, 2 or 3):	1	
Ground Surface to Bottom of Well (**h_1**):	39	feet
Depth to Water (**h_2**):	34	feet
Height of Water in the Well (h_1-h_2=**h**):	5	feet
Radius of Well (**r**):	4.0	Inches
Minimum Volume Required:	1473.4	Gal.
Discharge Rate of Water Into Well for Steady-State Condition (**q**):	1	Gal/min.
Temperature (**T**):	21	Celsius
(Viscosity of Water @ Temp. T) / (Viscosity of water @ 20° C) (**V**):	0.9647	ft^3/min.
Unsaturated Distance Between the Water Surface in the Well and the Water table (**T_u**):		Ignore T_u
Factor of Safety:	1	
Coefficient of Permeability @ 20° C (**k_{20}**):	2.05E-03	ft/min.
Design k_{20}:	1.47	in./hr.

The presence or absence of a water table or impervious soil layer within a distance of less than three times that of the water depth in the well (measured from the water surface) will enable the water table to be classified as **Condition I**, **Condition II**, **Condtion III**.

Low Water Table-When the distance from the water surface in the test well to the ground water table, or to an impervious soil layer which is considered for test puposes to be equivalent to a water table, is greater than three times the depth of water in the well, classify as **Condition I**.

High Water Table-When the distance from the water surface in the test well to the ground water table or to an impervious layer is less than three times the depth of water in the well, a high water table condition exists. Use **Condition II** when the water table or impervious layer is below the well bottom. Use **Condition III** when the water table or impervious layer is above the well bottom.

STEADY STATE
FLOW ANALYSIS OF 45 ft DEEP, 4 ft DIAMETER DRY WELL



Contours are Pressure Head in Feet.

Arrows indicate direction of flow and relative magnitude of velocity.

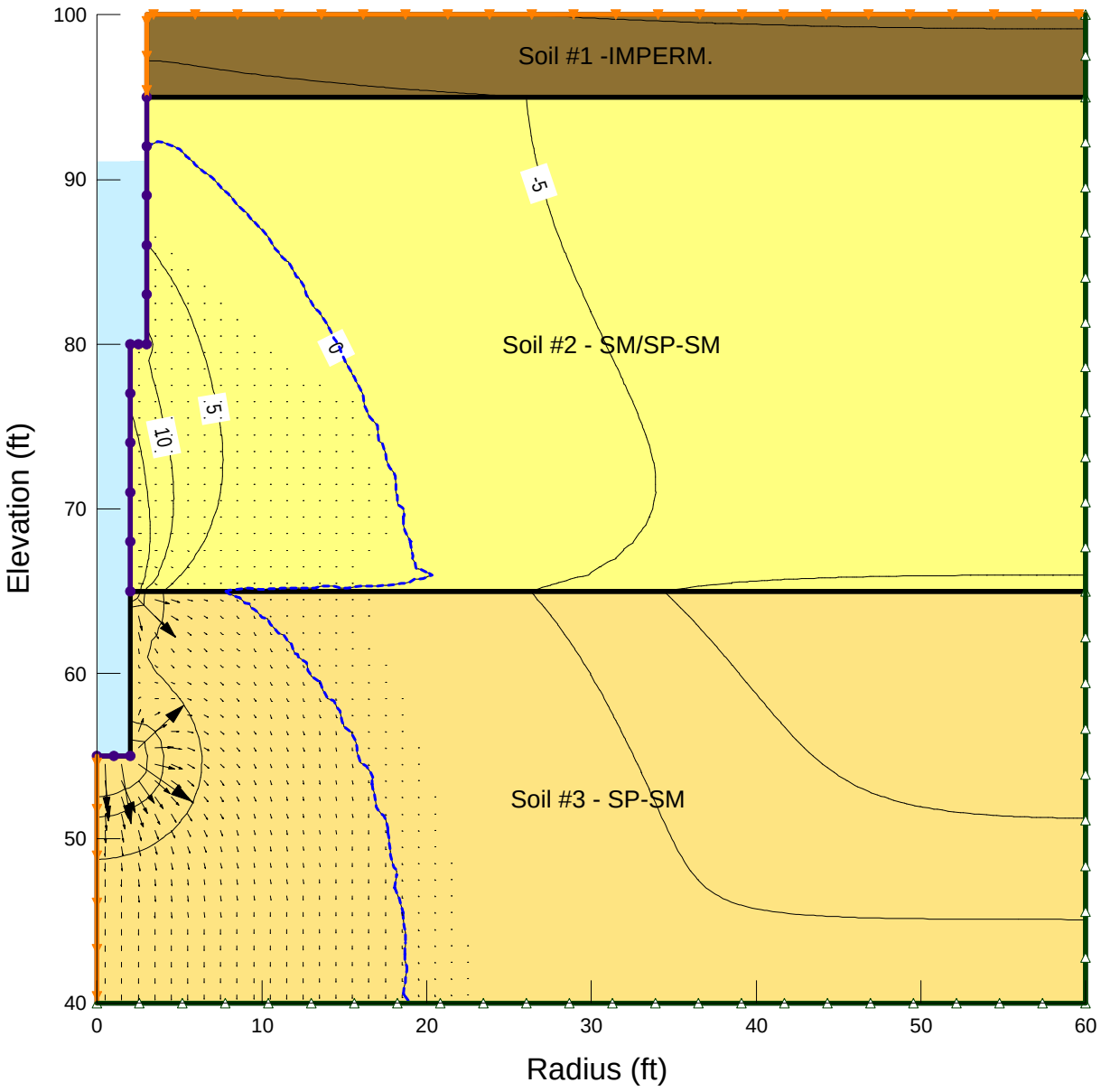
LEGEND

Zero Flux

Potential Seepage Face

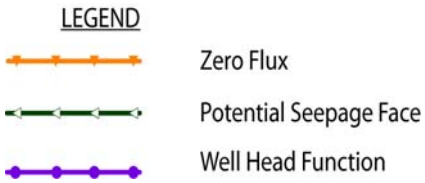
Fixed Total Head = 97 feet

TRANSIENT @ 0.5 Hour
FLOW ANALYSIS OF 45 ft DEEP, 4 ft DIAMETER DRY WELL

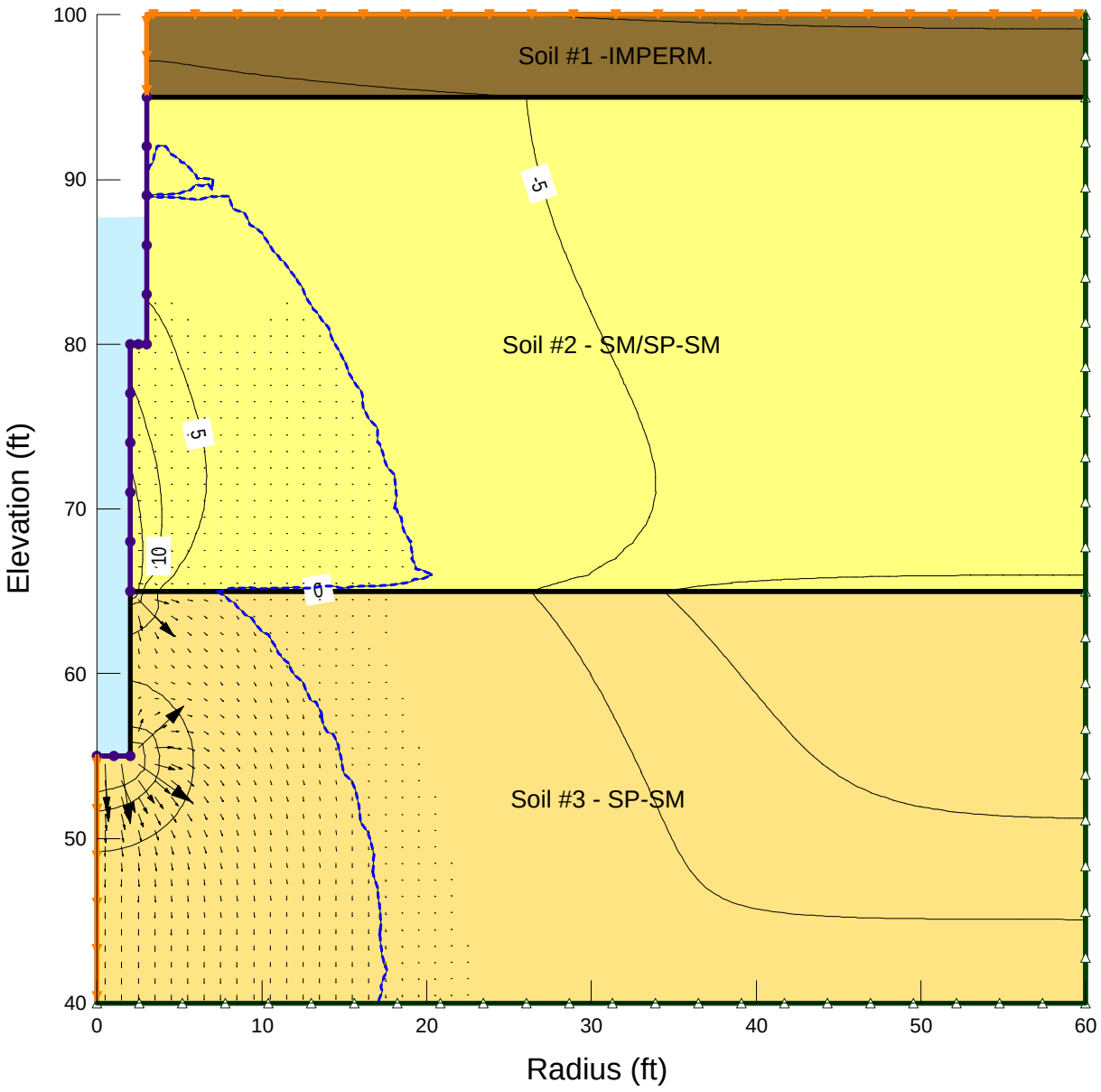


Contours are Pressure Head in Feet.

Arrows indicate direction of flow and relative magnitude of velocity.



TRANSIENT @ 1.0 Hour
FLOW ANALYSIS OF 45 ft DEEP, 4 ft DIAMETER DRY WELL



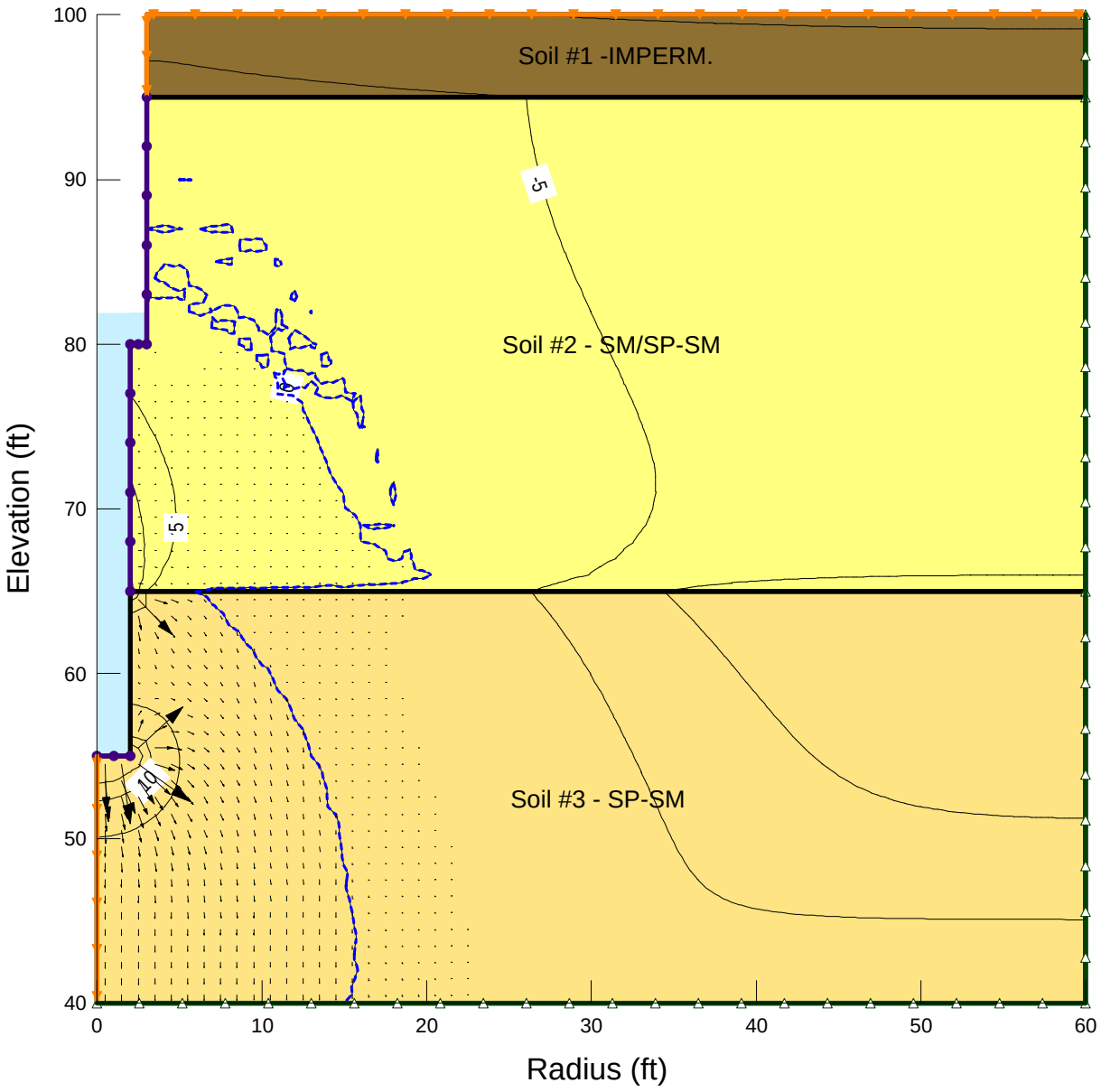
Contours are Pressure Head in Feet.

Arrows indicate direction of flow and relative magnitude of velocity.

LEGEND

- Zero Flux
- Potential Seepage Face
- Well Head Function

TRANSIENT @ 2.0 Hours
FLOW ANALYSIS OF 45 ft DEEP, 4 ft DIAMETER DRY WELL



Contours are Pressure Head in Feet.

Arrows indicate direction of flow and relative magnitude of velocity.

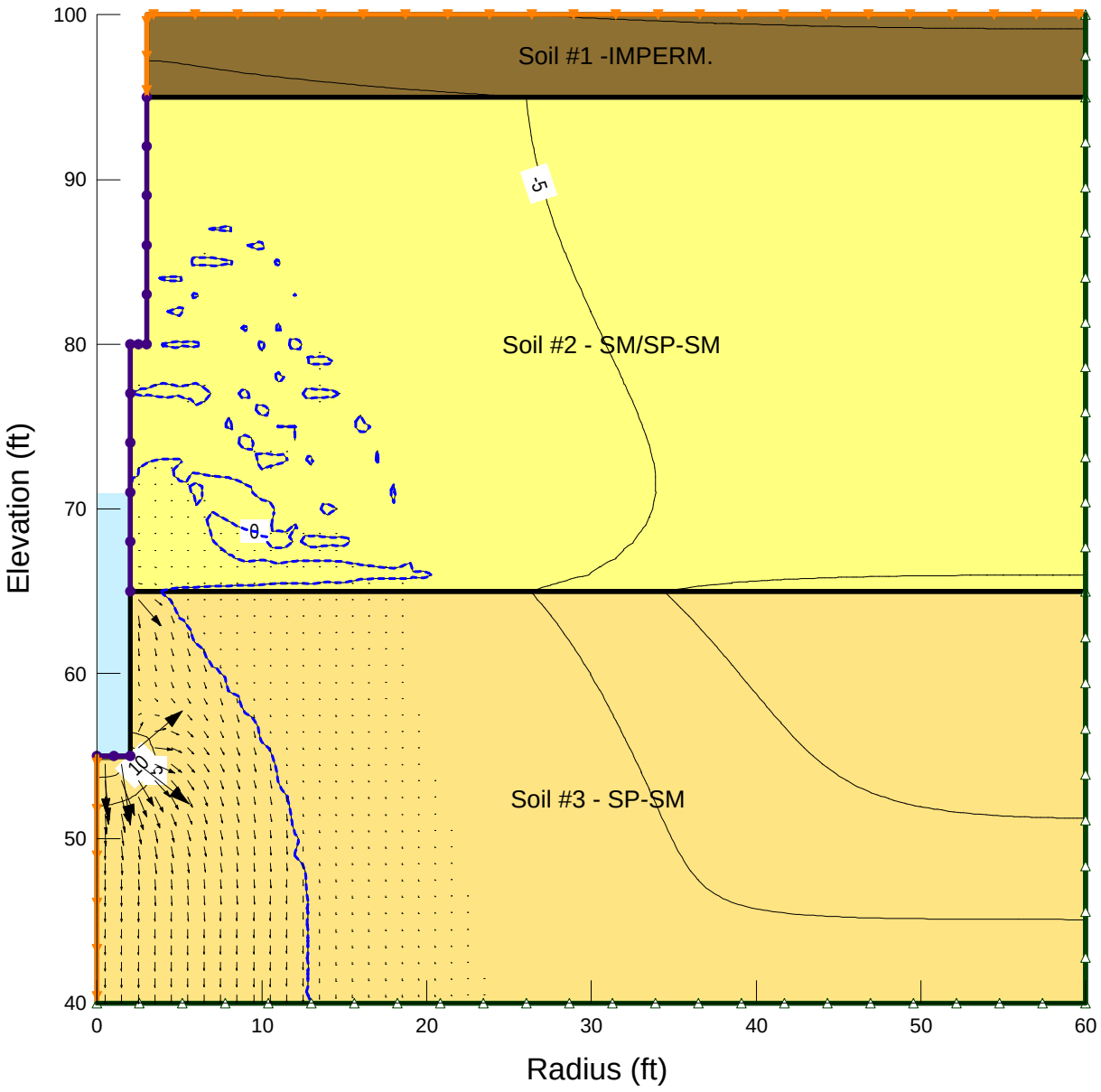
LEGEND

Zero Flux

Potential Seepage Face

Well Head Function

TRANSIENT @ 3.0 Hours
FLOW ANALYSIS OF 45 ft DEEP, 4 ft DIAMETER DRY WELL



Contours are Pressure Head in Feet.

Arrows indicate direction of flow and relative magnitude of velocity.

LEGEND

- Zero Flux
- Potential Seepage Face
- Well Head Function

ALBUS-KEEFE & ASSOCIATES, INC
GEOTECHNICAL CONSULTANTS

September 18, 2019
J.N.: 2798.00

Mr. Ken Lee
Pacific Plaza Premier Development Group
9661 E. Las Tunas Dr., Suite A
Temple City, California 91780

Subject: **Response to City Comments, Proposed Development, 700 and 800 San Gabriel Boulevard, San Gabriel, California.**

Reference: *Infiltration Study for Storm Water Quality, Proposed Mixed-Use Development, 700 and 800 San Gabriel Boulevard, San Gabriel, CA, 91776,* prepared by Albus-Keefe & Associates, Inc., dated March 25, 2019 (J.N. 2798.00)

Dear Mr. Lee,

We have prepared this correspondence in response to the comments provided by Environmental Science Associates (ESA) on behalf of the City of San Gabriel pertaining to our referenced report dated March 25, 2019. No official letterhead was provided. Instead, comments were electronically placed on pdf copies of our referenced report. The comments and the section of the report they were placed against are reiterated below.

#1 Original Text
Based on the architectural site plans by Media Portfolio, the proposed development for the site will consist of two mixed use buildings with a total of 243 residential units and approximately 1,315,150 ft2 of commercial space.

Comment
Per Draft EIR Project Description - 79,987 sf of commercial land uses. Also revise ft2 to spell out (square feet).

Response to Comment
Acknowledged. Based on the information provided, the proposed development for the site will consist of two mixed use buildings with a total of 243 residential units and approximately 79,987 square feet of commercial space.

Closing

We appreciate this opportunity to be of service to you. If you should have any questions regarding the contents of this correspondence, please do not hesitate to call.

Sincerely,

ALBUS-KEEFE & ASSOCIATES, INC.

Paul Hyun Jin Kim
Associate Engineer
GE 3106

REGISTERED PROFESSIONAL ENGINEER
HYUN JIN KIM
No. 3106
GEOTECHNICAL
STATE OF CALIFORNIA

APPENDIX C

Pre Development Hydrology Calculations

Peak Flow Hydrologic Analysis

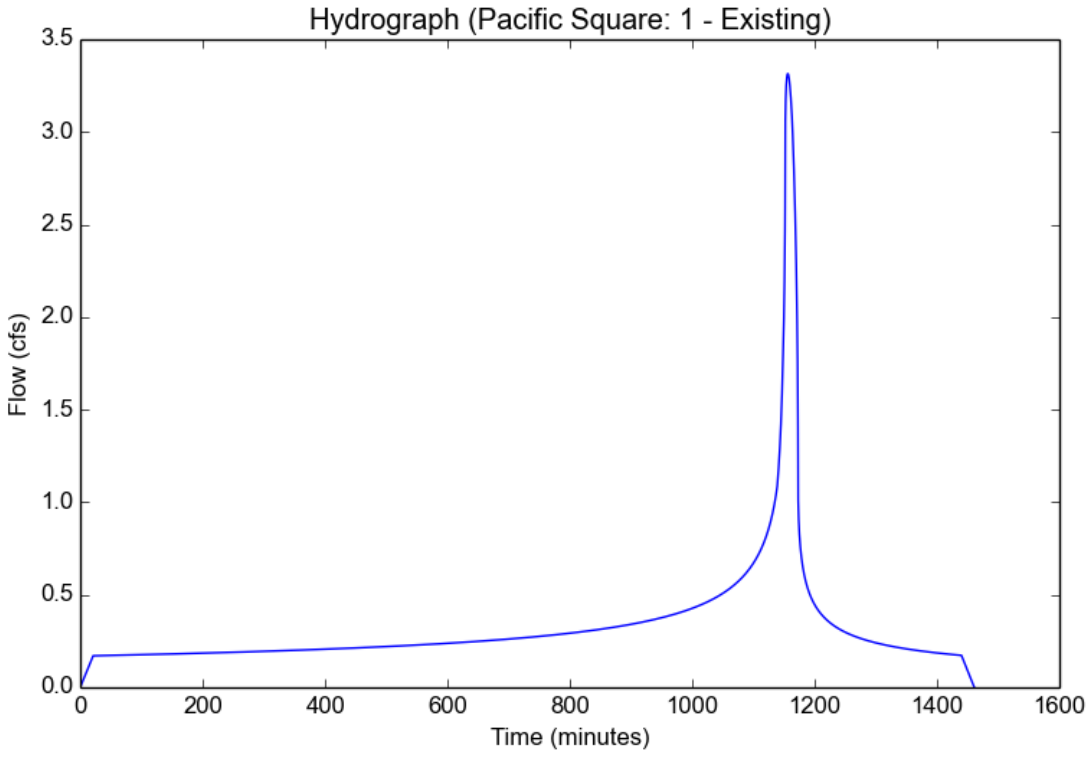
File location: F:/Projects/1785/002/_Support Files/Reports/Hydrology-LID/Appendix C - Pre Development Hydrology Calculations/1785-002 Pre-2yr A.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Pacific Square
Subarea ID	1 - Existing
Area (ac)	5.85
Flow Path Length (ft)	901.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.5
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False

Output Results

Modeled (2-yr) Rainfall Depth (in)	2.6316
Peak Intensity (in/hr)	0.7998
Undeveloped Runoff Coefficient (Cu)	0.5169
Developed Runoff Coefficient (Cd)	0.7085
Time of Concentration (min)	21.0
Clear Peak Flow Rate (cfs)	3.3149
Burned Peak Flow Rate (cfs)	3.3149
24-Hr Clear Runoff Volume (ac-ft)	0.6628
24-Hr Clear Runoff Volume (cu-ft)	28871.1977



Peak Flow Hydrologic Analysis

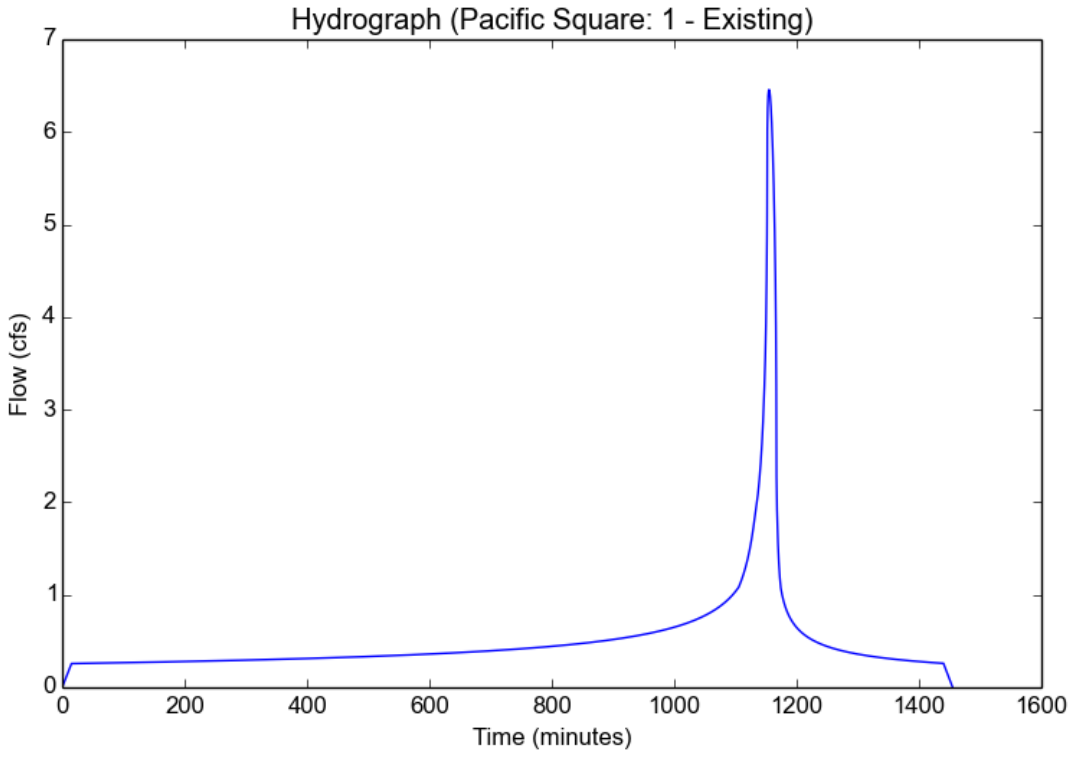
File location: F:/Projects/1785/002/_Support Files/Reports/Hydrology-LID/Appendix C - Pre Development Hydrology Calculations/1785-002 Pre-5yr A.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Pacific Square
Subarea ID	1 - Existing
Area (ac)	5.85
Flow Path Length (ft)	901.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.5
Soil Type	6
Design Storm Frequency	5-yr
Fire Factor	0
LID	False

Output Results

Modeled (5-yr) Rainfall Depth (in)	3.9712
Peak Intensity (in/hr)	1.4138
Undeveloped Runoff Coefficient (Cu)	0.6615
Developed Runoff Coefficient (Cd)	0.7808
Time of Concentration (min)	15.0
Clear Peak Flow Rate (cfs)	6.4573
Burned Peak Flow Rate (cfs)	6.4573
24-Hr Clear Runoff Volume (ac-ft)	1.0276
24-Hr Clear Runoff Volume (cu-ft)	44763.917



Peak Flow Hydrologic Analysis

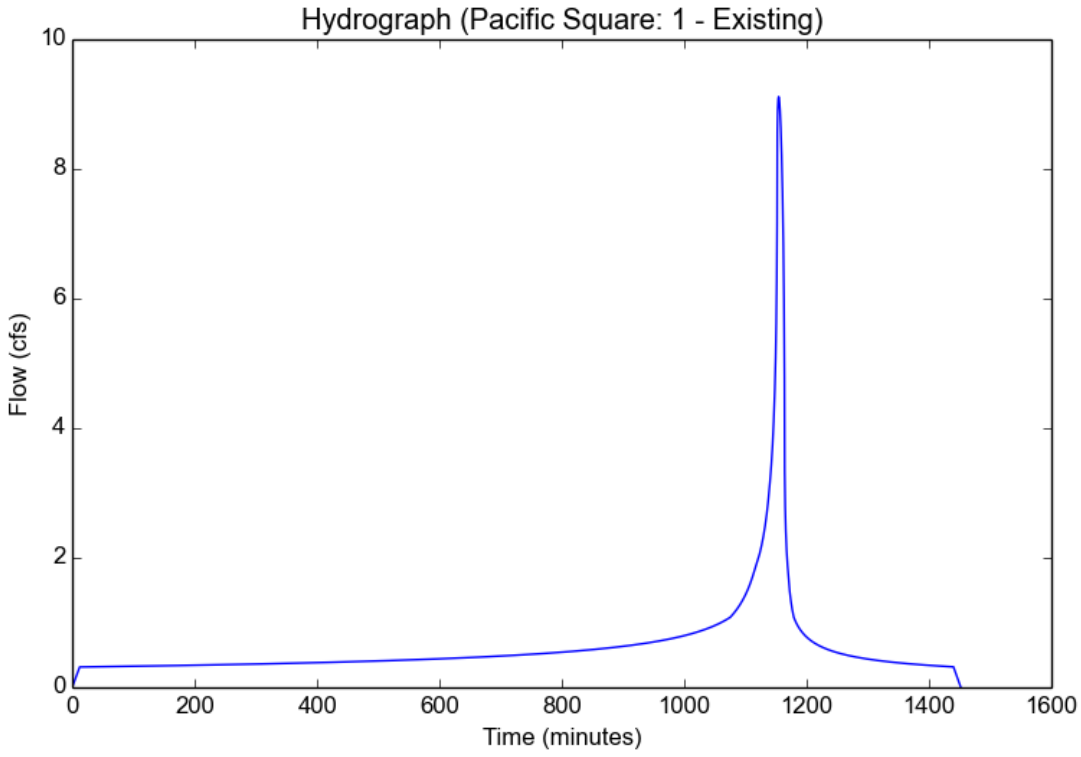
File location: F:/Projects/1785/002/_Support Files/Reports/Hydrology-LID/Appendix C - Pre Development Hydrology Calculations/1785-002 Pre-10yr A.pd
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Pacific Square
Subarea ID	1 - Existing
Area (ac)	5.85
Flow Path Length (ft)	901.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.5
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False

Output Results

Modeled (10-yr) Rainfall Depth (in)	4.8552
Peak Intensity (in/hr)	1.9196
Undeveloped Runoff Coefficient (Cu)	0.7235
Developed Runoff Coefficient (Cd)	0.8117
Time of Concentration (min)	12.0
Clear Peak Flow Rate (cfs)	9.1155
Burned Peak Flow Rate (cfs)	9.1155
24-Hr Clear Runoff Volume (ac-ft)	1.2787
24-Hr Clear Runoff Volume (cu-ft)	55699.5249



Peak Flow Hydrologic Analysis

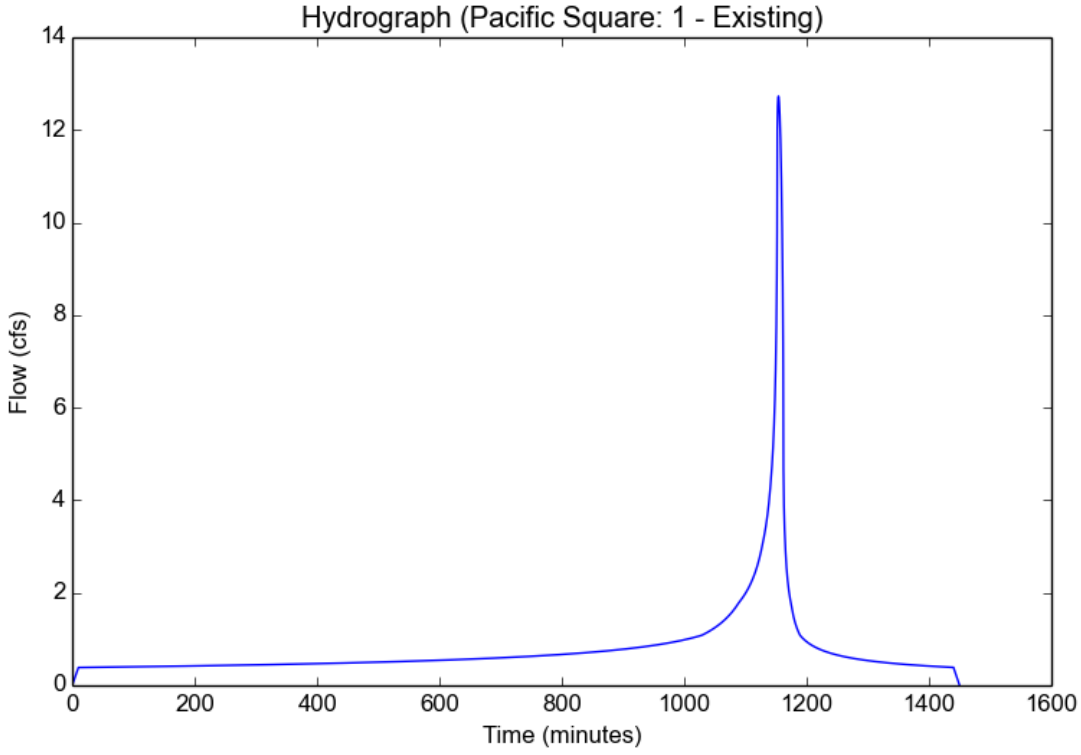
File location: F:/Projects/1785/002/_Support Files/Reports/Hydrology-LID/Appendix C - Pre Development Hydrology Calculations/1785-002 Pre-25yr A.pc
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Pacific Square
Subarea ID	1 - Existing
Area (ac)	5.85
Flow Path Length (ft)	901.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.5
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.9704
Peak Intensity (in/hr)	2.5717
Undeveloped Runoff Coefficient (Cu)	0.7922
Developed Runoff Coefficient (Cd)	0.8461
Time of Concentration (min)	10.0
Clear Peak Flow Rate (cfs)	12.7292
Burned Peak Flow Rate (cfs)	12.7292
24-Hr Clear Runoff Volume (ac-ft)	1.6088
24-Hr Clear Runoff Volume (cu-ft)	70077.2852



Peak Flow Hydrologic Analysis

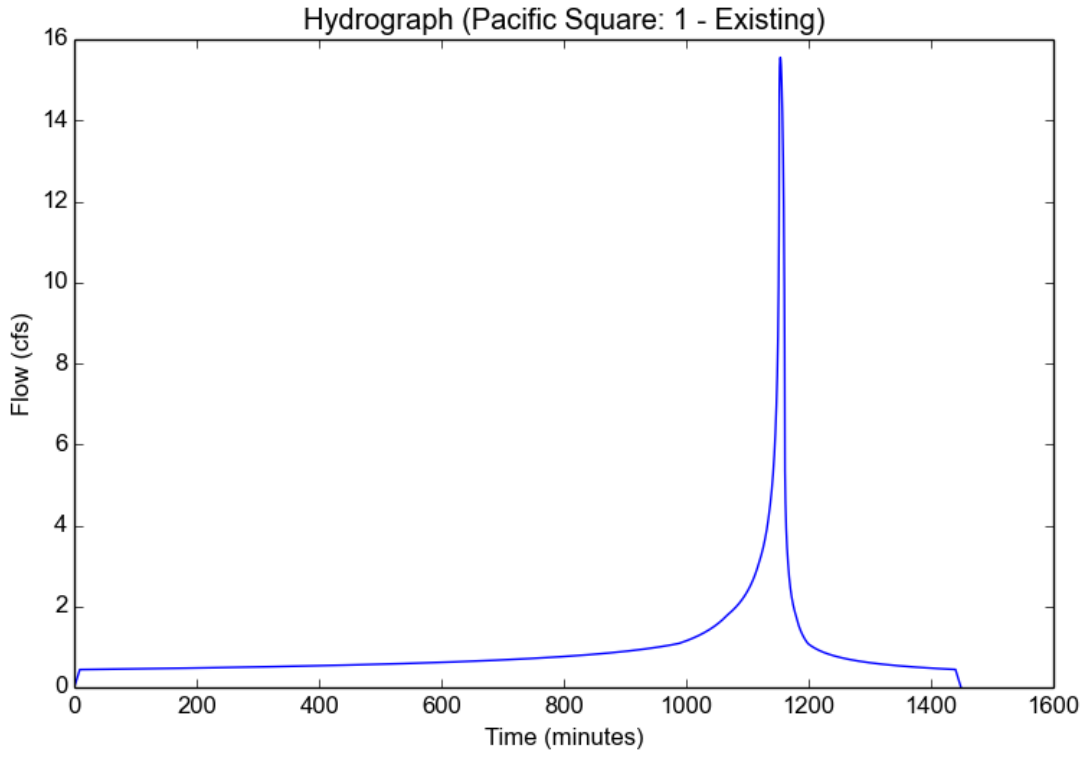
File location: F:/Projects/1785/002/_Support Files/Reports/Hydrology-LID/Appendix C - Pre Development Hydrology Calculations/1785-002 Pre-50yr A.pc
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Pacific Square
Subarea ID	1 - Existing
Area (ac)	5.85
Flow Path Length (ft)	901.0
Flow Path Slope (vft/hft)	0.01
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.5
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	6.8
Peak Intensity (in/hr)	3.0778
Undeveloped Runoff Coefficient (Cu)	0.8277
Developed Runoff Coefficient (Cd)	0.8639
Time of Concentration (min)	9.0
Clear Peak Flow Rate (cfs)	15.5538
Burned Peak Flow Rate (cfs)	15.5538
24-Hr Clear Runoff Volume (ac-ft)	1.8634
24-Hr Clear Runoff Volume (cu-ft)	81171.5031



APPENDIX D

Post Development Hydrology Calculations

Peak Flow Hydrologic Analysis

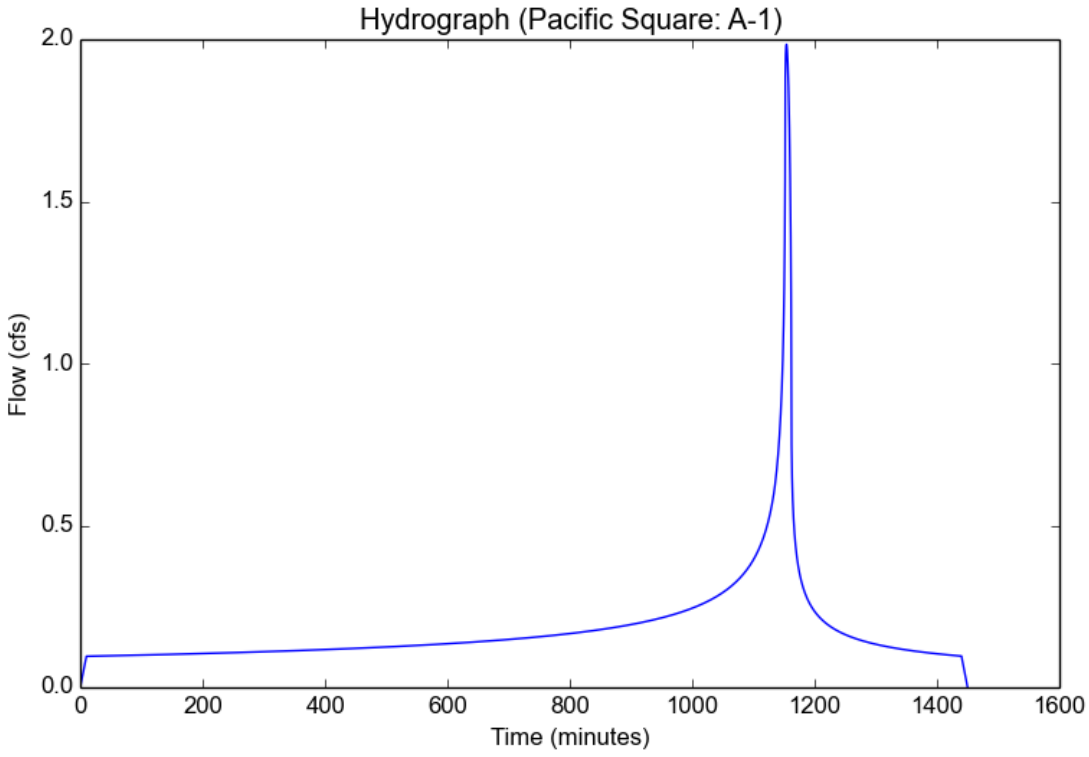
File location: F:/Projects/1785/002/_Support Files/Reports/Hydrology/Hydro/Post/1785-002 Post-2yr A-1.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Pacific Square
Subarea ID	A-1
Area (ac)	2.01
Flow Path Length (ft)	311.0
Flow Path Slope (vft/hft)	0.0063
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False

Output Results

Modeled (2-yr) Rainfall Depth (in)	2.6316
Peak Intensity (in/hr)	1.1335
Undeveloped Runoff Coefficient (Cu)	0.6098
Developed Runoff Coefficient (Cd)	0.871
Time of Concentration (min)	10.0
Clear Peak Flow Rate (cfs)	1.9845
Burned Peak Flow Rate (cfs)	1.9845
24-Hr Clear Runoff Volume (ac-ft)	0.3604
24-Hr Clear Runoff Volume (cu-ft)	15698.2743



Peak Flow Hydrologic Analysis

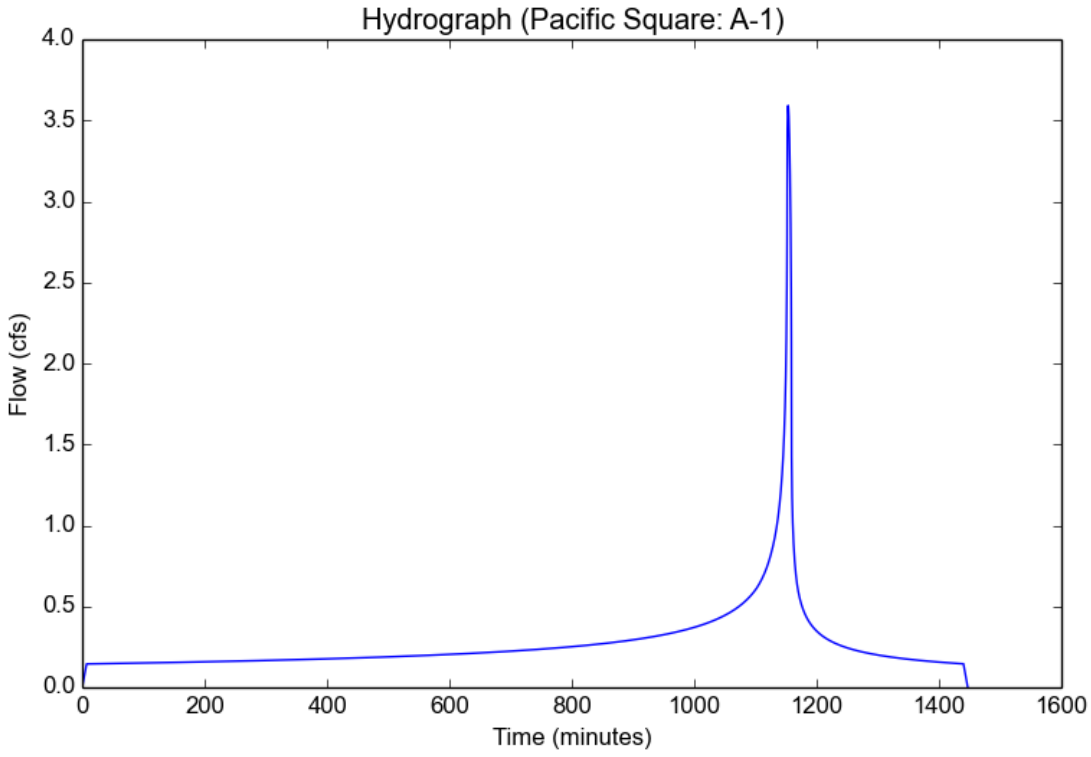
File location: F:/Projects/1785/002/_Support Files/Reports/Hydrology/Hydro/Post/1785-002 Post-5yr A-1.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Pacific Square
Subarea ID	A-1
Area (ac)	2.01
Flow Path Length (ft)	311.0
Flow Path Slope (vft/hft)	0.0063
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	5-yr
Fire Factor	0
LID	False

Output Results

Modeled (5-yr) Rainfall Depth (in)	3.9712
Peak Intensity (in/hr)	2.0228
Undeveloped Runoff Coefficient (Cu)	0.7348
Developed Runoff Coefficient (Cd)	0.8835
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	3.592
Burned Peak Flow Rate (cfs)	3.592
24-Hr Clear Runoff Volume (ac-ft)	0.5457
24-Hr Clear Runoff Volume (cu-ft)	23768.6191



Peak Flow Hydrologic Analysis

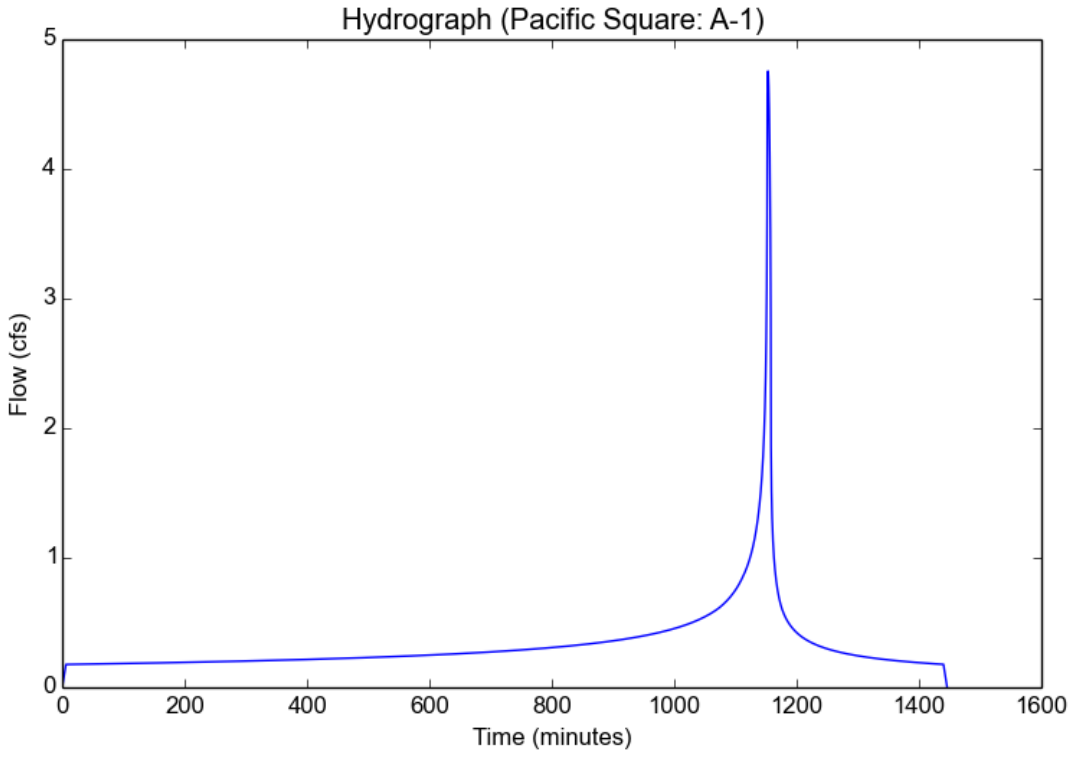
File location: F:/Projects/1785/002/_Support Files/Reports/Hydrology/Hydro/Post/1785-002 Post-10yr A-1.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Pacific Square
Subarea ID	A-1
Area (ac)	2.01
Flow Path Length (ft)	311.0
Flow Path Slope (vft/hft)	0.0063
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False

Output Results

Modeled (10-yr) Rainfall Depth (in)	4.8552
Peak Intensity (in/hr)	2.6589
Undeveloped Runoff Coefficient (Cu)	0.7983
Developed Runoff Coefficient (Cd)	0.8898
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	4.7555
Burned Peak Flow Rate (cfs)	4.7555
24-Hr Clear Runoff Volume (ac-ft)	0.6687
24-Hr Clear Runoff Volume (cu-ft)	29127.9103



Peak Flow Hydrologic Analysis

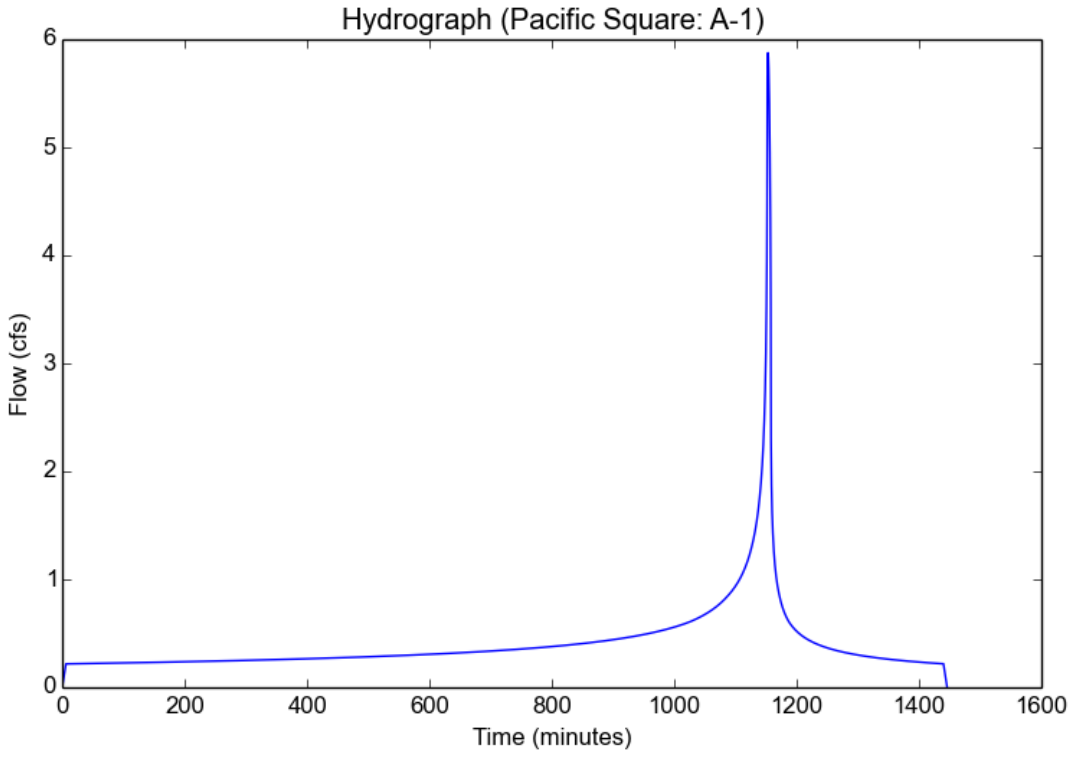
File location: F:/Projects/1785/002/_Support Files/Reports/Hydrology/Hydro/Post/1785-002 Post-25yr A-1.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Pacific Square
Subarea ID	A-1
Area (ac)	2.01
Flow Path Length (ft)	311.0
Flow Path Slope (vft/hft)	0.0063
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.9704
Peak Intensity (in/hr)	3.2696
Undeveloped Runoff Coefficient (Cu)	0.8412
Developed Runoff Coefficient (Cd)	0.8941
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	5.876
Burned Peak Flow Rate (cfs)	5.876
24-Hr Clear Runoff Volume (ac-ft)	0.8247
24-Hr Clear Runoff Volume (cu-ft)	35925.0502



Peak Flow Hydrologic Analysis

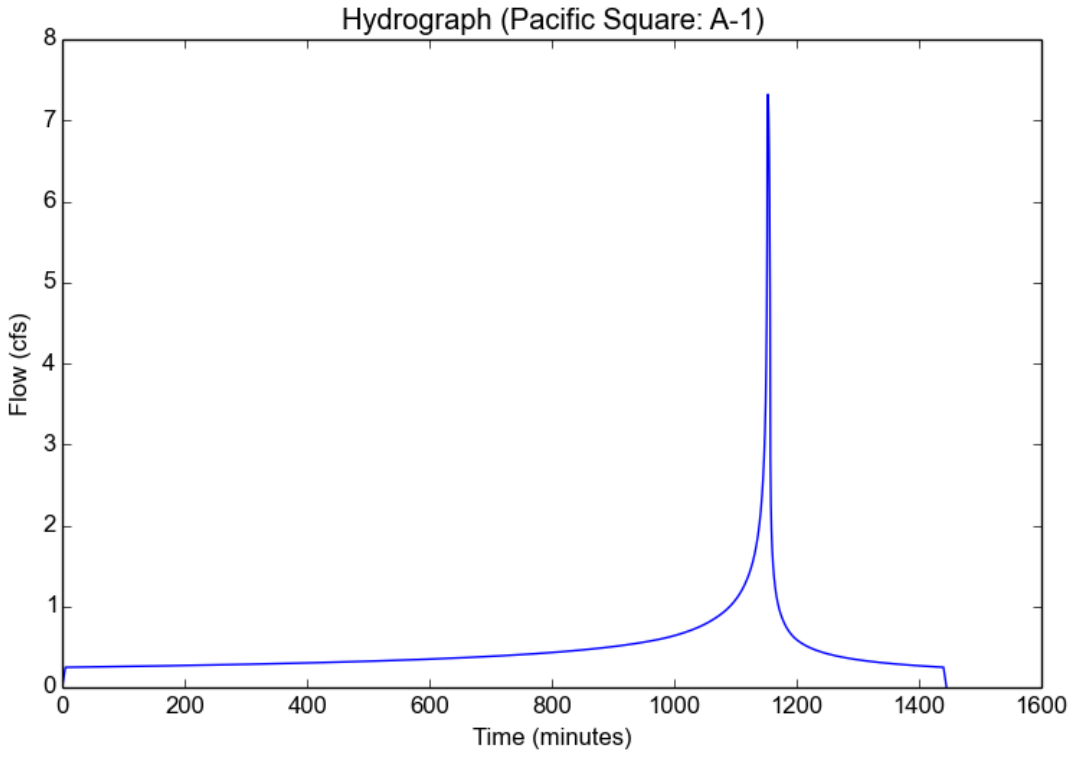
File location: F:/Projects/1785/002/_Support Files/Reports/Hydrology/Hydro/Post/1785-002 Post-50yr A-1.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Pacific Square
Subarea ID	A-1
Area (ac)	2.01
Flow Path Length (ft)	311.0
Flow Path Slope (vft/hft)	0.0063
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	6.8
Peak Intensity (in/hr)	4.0571
Undeveloped Runoff Coefficient (Cu)	0.8787
Developed Runoff Coefficient (Cd)	0.8979
Time of Concentration (min)	5.0
Clear Peak Flow Rate (cfs)	7.3218
Burned Peak Flow Rate (cfs)	7.3218
24-Hr Clear Runoff Volume (ac-ft)	0.9415
24-Hr Clear Runoff Volume (cu-ft)	41010.1723



Peak Flow Hydrologic Analysis

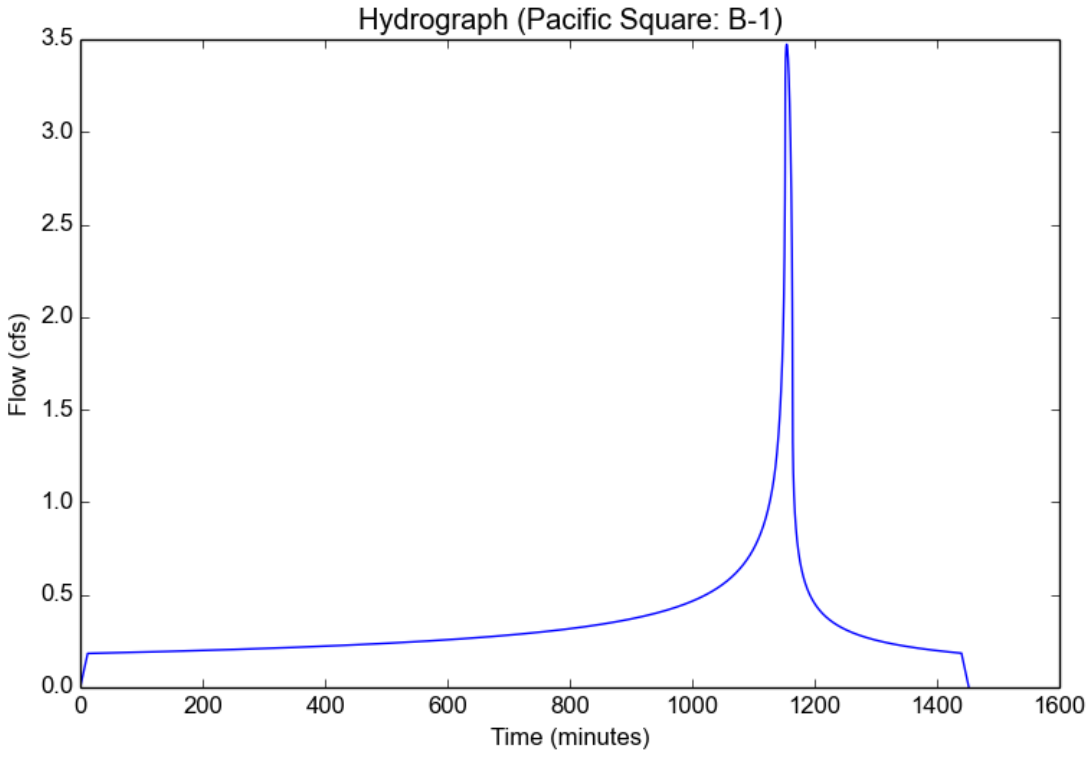
File location: C:/Users/Eduardo Cruz/Desktop/HYDRO CALC/B-1/1785-002 Post-2yr B-1.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Pacific Square
Subarea ID	B-1
Area (ac)	3.84
Flow Path Length (ft)	493.0
Flow Path Slope (vft/hft)	0.0091
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	2-yr
Fire Factor	0
LID	False

Output Results

Modeled (2-yr) Rainfall Depth (in)	2.6316
Peak Intensity (in/hr)	1.0405
Undeveloped Runoff Coefficient (Cu)	0.5927
Developed Runoff Coefficient (Cd)	0.8693
Time of Concentration (min)	12.0
Clear Peak Flow Rate (cfs)	3.473
Burned Peak Flow Rate (cfs)	3.473
24-Hr Clear Runoff Volume (ac-ft)	0.6885
24-Hr Clear Runoff Volume (cu-ft)	29990.2971



Peak Flow Hydrologic Analysis

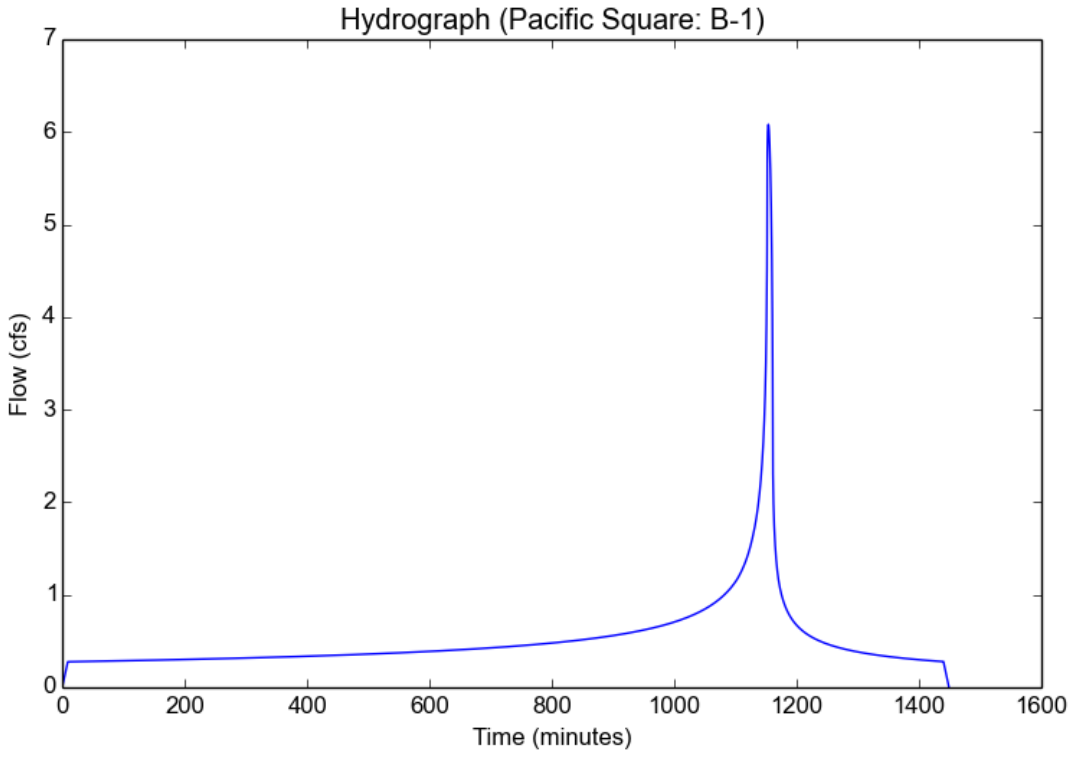
File location: C:/Users/Eduardo Cruz/Desktop/HYDRO CALC/B-1/1785-002 Post-5yr B-1.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Pacific Square
Subarea ID	B-1
Area (ac)	3.84
Flow Path Length (ft)	493.0
Flow Path Slope (vft/hft)	0.0091
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	5-yr
Fire Factor	0
LID	False

Output Results

Modeled (5-yr) Rainfall Depth (in)	3.9712
Peak Intensity (in/hr)	1.7974
Undeveloped Runoff Coefficient (Cu)	0.7101
Developed Runoff Coefficient (Cd)	0.881
Time of Concentration (min)	9.0
Clear Peak Flow Rate (cfs)	6.0807
Burned Peak Flow Rate (cfs)	6.0807
24-Hr Clear Runoff Volume (ac-ft)	1.0424
24-Hr Clear Runoff Volume (cu-ft)	45406.9582



Peak Flow Hydrologic Analysis

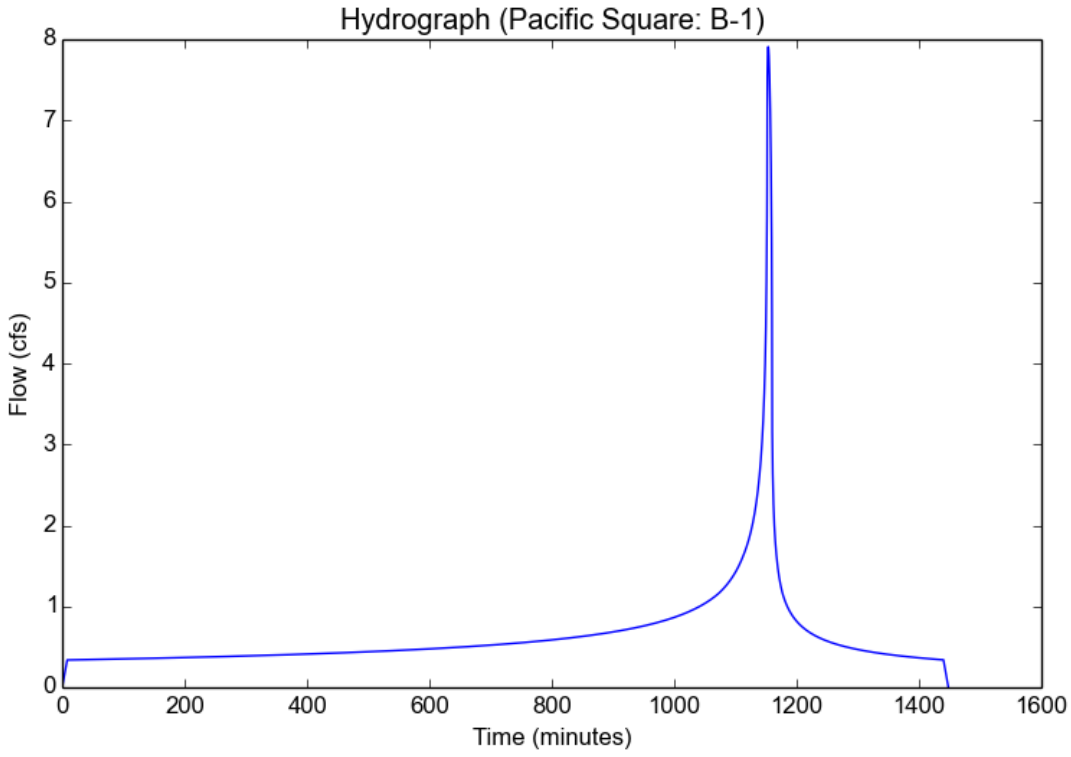
File location: C:/Users/Eduardo Cruz/Desktop/HYDRO CALC/B-1/1785-002 Post-10yr B-1.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Pacific Square
Subarea ID	B-1
Area (ac)	3.84
Flow Path Length (ft)	493.0
Flow Path Slope (vft/hft)	0.0091
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	10-yr
Fire Factor	0
LID	False

Output Results

Modeled (10-yr) Rainfall Depth (in)	4.8552
Peak Intensity (in/hr)	2.3226
Undeveloped Runoff Coefficient (Cu)	0.7677
Developed Runoff Coefficient (Cd)	0.8868
Time of Concentration (min)	8.0
Clear Peak Flow Rate (cfs)	7.9089
Burned Peak Flow Rate (cfs)	7.9089
24-Hr Clear Runoff Volume (ac-ft)	1.2774
24-Hr Clear Runoff Volume (cu-ft)	55643.1147



Peak Flow Hydrologic Analysis

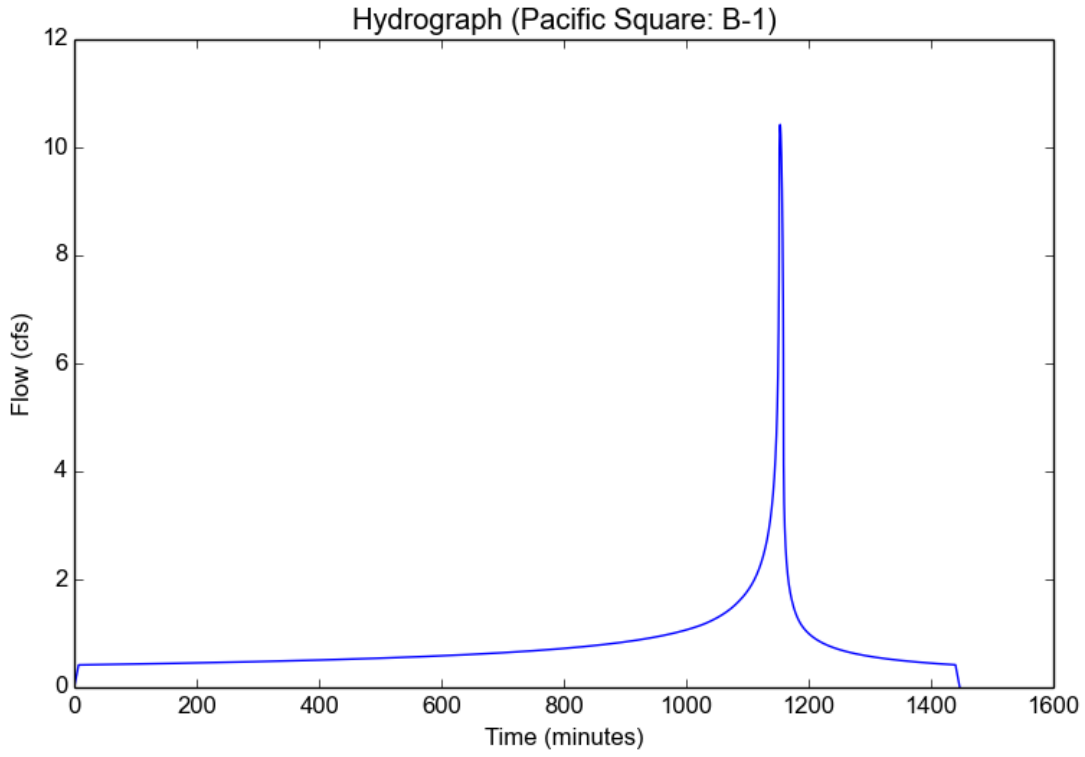
File location: C:/Users/Eduardo Cruz/Desktop/HYDRO CALC/B-1/1785-002 Post-25yr B-1.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Pacific Square
Subarea ID	B-1
Area (ac)	3.84
Flow Path Length (ft)	493.0
Flow Path Slope (vft/hft)	0.0091
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.9704
Peak Intensity (in/hr)	3.0411
Undeveloped Runoff Coefficient (Cu)	0.8252
Developed Runoff Coefficient (Cd)	0.8925
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	10.4225
Burned Peak Flow Rate (cfs)	10.4225
24-Hr Clear Runoff Volume (ac-ft)	1.5755
24-Hr Clear Runoff Volume (cu-ft)	68630.5018



Peak Flow Hydrologic Analysis

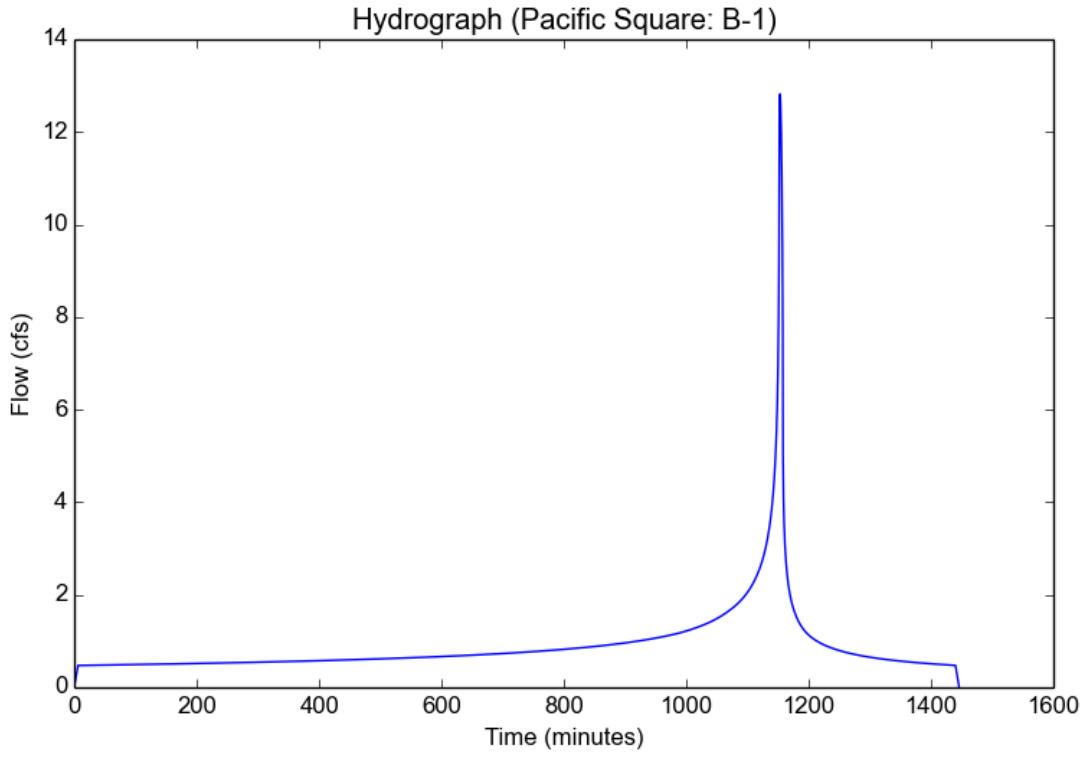
File location: C:/Users/Eduardo Cruz/Desktop/HYDRO CALC/B-1/1785-002 Post-50yr B-1.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Pacific Square
Subarea ID	B-1
Area (ac)	3.84
Flow Path Length (ft)	493.0
Flow Path Slope (vft/hft)	0.0091
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	50-yr
Fire Factor	0
LID	False

Output Results

Modeled (50-yr) Rainfall Depth (in)	6.8
Peak Intensity (in/hr)	3.7239
Undeveloped Runoff Coefficient (Cu)	0.8659
Developed Runoff Coefficient (Cd)	0.8966
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	12.8211
Burned Peak Flow Rate (cfs)	12.8211
24-Hr Clear Runoff Volume (ac-ft)	1.7986
24-Hr Clear Runoff Volume (cu-ft)	78346.2526



APPENDIX E

85th Percentile Hydrology Calculations

Peak Flow Hydrologic Analysis

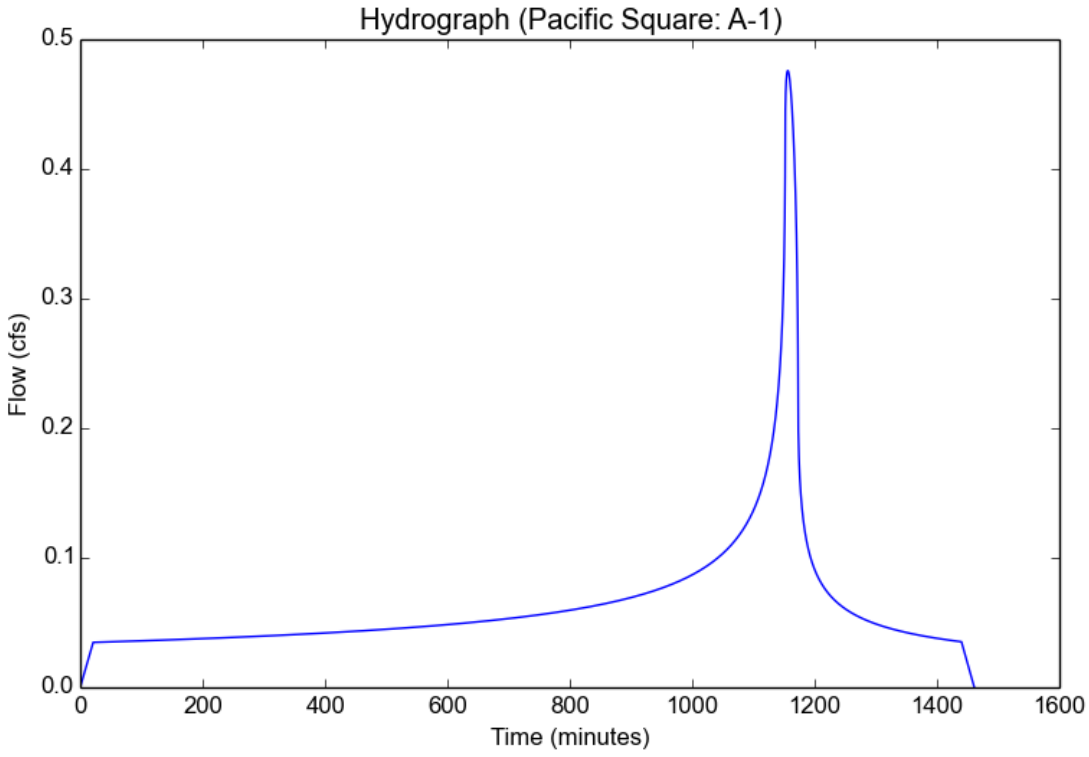
File location: F:/Projects/1785/002/_Support Files/Reports/Hydrology/LID/1785-002 Post-85th A-1.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Pacific Square
Subarea ID	A-1
Area (ac)	2.01
Flow Path Length (ft)	311.0
Flow Path Slope (vft/hft)	0.0063
85th Percentile Rainfall Depth (in)	0.95
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.95
Peak Intensity (in/hr)	0.2887
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.82
Time of Concentration (min)	21.0
Clear Peak Flow Rate (cfs)	0.4759
Burned Peak Flow Rate (cfs)	0.4759
24-Hr Clear Runoff Volume (ac-ft)	0.1294
24-Hr Clear Runoff Volume (cu-ft)	5636.8755



Peak Flow Hydrologic Analysis

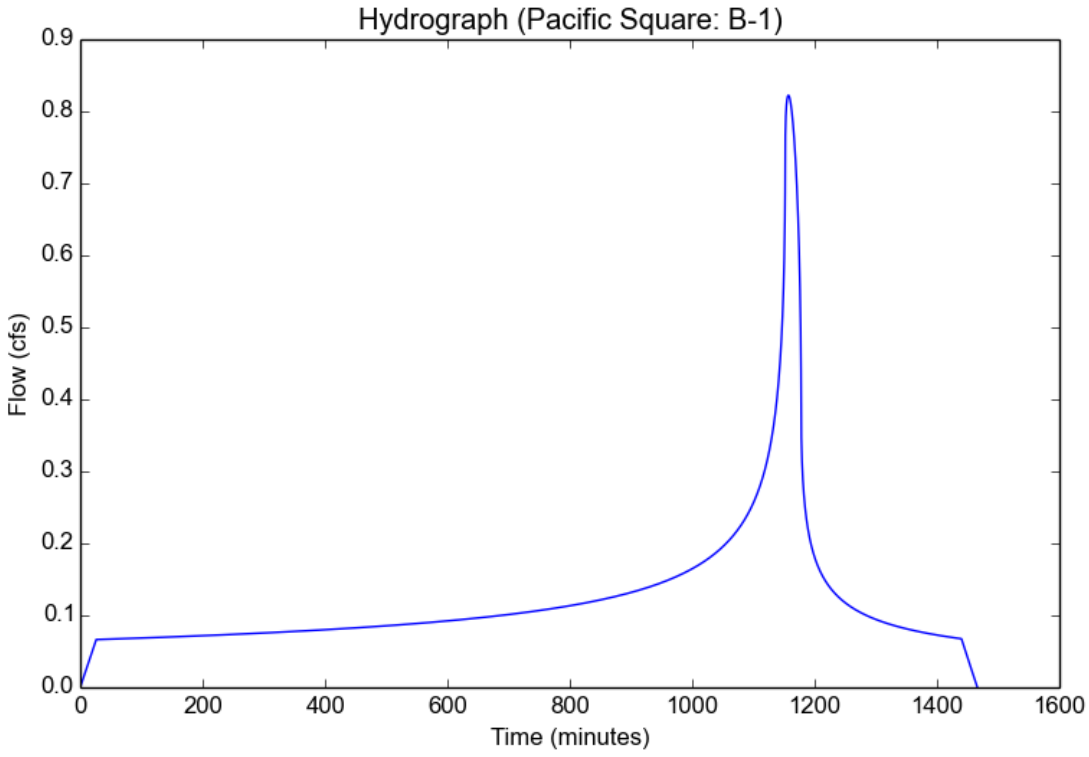
File location: C:/Users/Eduardo Cruz/Desktop/HYDRO CALC/B-1/1785-002 Post-85th B-1.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Pacific Square
Subarea ID	B-1
Area (ac)	3.84
Flow Path Length (ft)	493.0
Flow Path Slope (vft/hft)	0.0091
85th Percentile Rainfall Depth (in)	0.95
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	85th percentile storm
Fire Factor	0
LID	True

Output Results

Modeled (85th percentile storm) Rainfall Depth (in)	0.95
Peak Intensity (in/hr)	0.2612
Undeveloped Runoff Coefficient (Cu)	0.1
Developed Runoff Coefficient (Cd)	0.82
Time of Concentration (min)	26.0
Clear Peak Flow Rate (cfs)	0.8223
Burned Peak Flow Rate (cfs)	0.8223
24-Hr Clear Runoff Volume (ac-ft)	0.2472
24-Hr Clear Runoff Volume (cu-ft)	10768.9886



APPENDIX F

Detention Calculations

Peak Flow Hydrologic Analysis

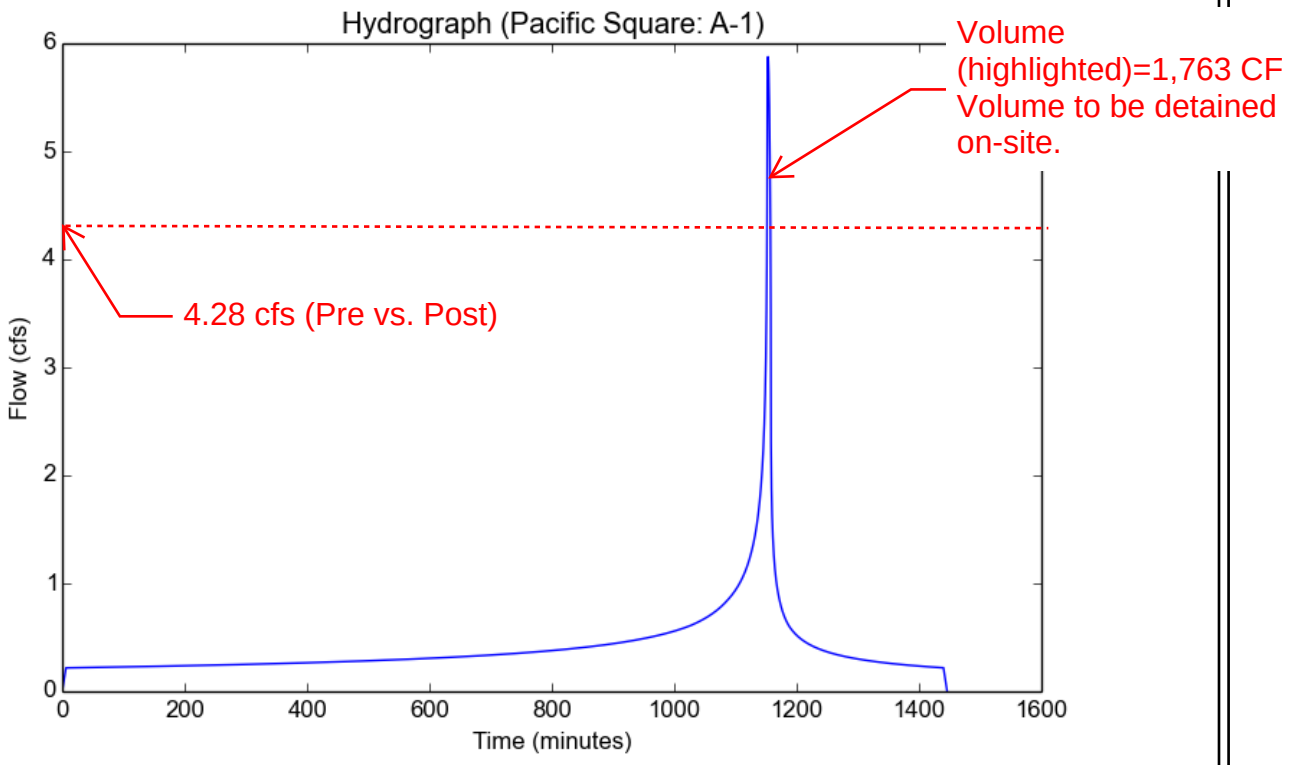
File location: F:/Projects/1785/002/_Support Files/Reports/Hydrology/Hydro/Post/1785-002 Post-25yr A-1.pdf
Version: HydroCalc 1.0.3

Input Parameters

Project Name	Pacific Square
Subarea ID	A-1
Area (ac)	2.01
Flow Path Length (ft)	311.0
Flow Path Slope (vft/hft)	0.0063
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.9704
Peak Intensity (in/hr)	3.2696
Undeveloped Runoff Coefficient (Cu)	0.8412
Developed Runoff Coefficient (Cd)	0.8941
Time of Concentration (min)	6.0
Clear Peak Flow Rate (cfs)	5.876
Burned Peak Flow Rate (cfs)	5.876
24-Hr Clear Runoff Volume (ac-ft)	0.8247
24-Hr Clear Runoff Volume (cu-ft)	35925.0502



Inputs: Pacific Square

Subarea ID	Area (ac)	Flow Path Length (ft)	Flow Path Slope (vft/hft)	50-yr Rainfall Depth (in)	Percent Impervious	Soil Type	Design Storm Frequency	Fire Factor
A-1	2.01	311	0.0063	6.8	0.9	6	25-yr	0

Outputs: Pacific Square

Area (ac)	Modeled (25-yr) Rainfall Depth (in)	Time of Concentration (min)	Clear Peak Flow Rate (cfs)	24-Hr Clear Runoff Volume (ac-ft)	Burned Peak Flow Rate (cfs)	Peak Intensity (in/hr)	Undeveloped Runoff Coefficient (Cu)	Developed Runoff Coefficient (Cd)
A-1	5.9704	6	5.876025139	0.824725671	5.876025139	3.269576254	0.841206336	0.894120634

Hydrograph: Pacific Square - A-1

Time (min)	Incremental Masscurve	Incremental Design Storm Depth (in)	Intensity (in/hr)	Undeveloped Runoff Coefficient (Cu)	Developed Runoff Coefficient (Cd)	Clear Peak Flow Rate (cfs)	Incremental Volume (cu-ft)	Cumulative Volume (cu-ft)
0	0	0	0	0	0	0	0	0
0.2	7.36E-05	0.000439506	0	0	0	0.007252526	0.043515157	0.043515157
0.4	0.000147234	0.000879047	0	0	0	0.014505052	0.130545471	0.174060628
0.6	0.00022086	0.001318625	0	0	0	0.021757578	0.217575785	0.391636413
0.8	0.000294493	0.001758238	0	0	0	0.029010105	0.304606099	0.696242512
1	0.000368131	0.002197887	0	0	0	0.036262631	0.391636413	1.087878925
1.2	0.000441775	0.002637572	0	0	0	0.043515157	0.478666727	1.566545651
1.4	0.000515425	0.003077294	0	0	0	0.050767683	0.565697041	2.132242692
1.6	0.000589081	0.003517051	0	0	0	0.058020209	0.652727355	2.784970047
1.8	0.000662743	0.003956843	0	0	0	0.065272735	0.739757669	3.524727715
2	0.000736412	0.004396672	0	0	0	0.072525262	0.826787983	4.351515698
2.2	0.000810086	0.004836537	0	0	0	0.079777788	0.913818297	5.265333995
2.4	0.000883766	0.005276438	0	0	0	0.087030314	1.000848611	6.266182605
2.6	0.000957453	0.005716375	0	0	0	0.09428284	1.087878925	7.35406153
2.8	0.001031145	0.006156347	0	0	0	0.101535366	1.174909238	8.528970768
3	0.001104843	0.006596356	0	0	0	0.108787892	1.261939552	9.790910321
3.2	0.001178548	0.007036401	0	0	0	0.116040419	1.348969866	11.13988019
3.4	0.001252258	0.007476482	0	0	0	0.123292945	1.43600018	12.57588037
3.6	0.001325975	0.007916598	0	0	0	0.130545471	1.523030494	14.09891086
3.8	0.001399697	0.008356751	0	0	0	0.137797997	1.610060808	15.70897167
4	0.001473426	0.00879694	0	0	0	0.145050523	1.697091122	17.40606279
4.2	0.00154716	0.009237165	0	0	0	0.152303049	1.784121436	19.19018423
4.4	0.001620901	0.009677426	0	0	0	0.159555576	1.87115175	21.06133598
4.6	0.001694647	0.010117723	0	0	0	0.166808102	1.958182064	23.01951804
4.8	0.0017684	0.010558056	0	0	0	0.174060628	2.045212378	25.06473042
5	0.001842159	0.010998425	0	0	0	0.181313154	2.132242692	27.19697311
5.2	0.001915924	0.01143883	0	0	0	0.18856568	2.219273006	29.41624612
5.4	0.001989694	0.011879271	0	0	0	0.195818206	2.30630332	31.72254944
5.6	0.002063471	0.012319749	0	0	0	0.203070733	2.393333634	34.11588307
5.8	0.002137254	0.012760262	0	0	0	0.210323259	2.480363948	36.59624702
6	0.002211043	0.013200812	0.132008121	0.1	0.82	0.217575785	2.567394262	39.16364128
6.2	0.002284838	0.013641398	0.132018922	0.1	0.82	0.217593587	2.611016232	41.77465752
6.4	0.002358639	0.01408202	0.132029726	0.1	0.82	0.217611394	2.611229887	44.3858874
6.6	0.002432446	0.014522678	0.132040532	0.1	0.82	0.217629205	2.611443596	46.997331
6.8	0.00250626	0.014963372	0.132051342	0.1	0.82	0.217647021	2.61165736	49.60898836

7	0.002580079	0.015404103	0.132062154	0.1	0.82	0.217664842	2.611871179	52.22085954
7.2	0.002653904	0.015844869	0.132072969	0.1	0.82	0.217682667	2.612085053	54.83294459
7.4	0.002727736	0.016285672	0.132083786	0.1	0.82	0.217700497	2.612298981	57.44524357
7.6	0.002801573	0.016726511	0.132094607	0.1	0.82	0.217718331	2.612512964	60.05775654
7.8	0.002875416	0.017167386	0.13210543	0.1	0.82	0.21773617	2.612727002	62.67048354
8	0.002949266	0.017608298	0.132116256	0.1	0.82	0.217754013	2.612941095	65.28342463
8.2	0.003023122	0.018049246	0.132127085	0.1	0.82	0.217771861	2.613155242	67.89657987
8.4	0.003096983	0.01849023	0.132137916	0.1	0.82	0.217789713	2.613369445	70.50994932
8.6	0.003170851	0.01893125	0.13214875	0.1	0.82	0.21780757	2.613583702	73.12353302
8.8	0.003244725	0.019372306	0.132159587	0.1	0.82	0.217825432	2.613798015	75.73733104
9	0.003318605	0.019813399	0.132170427	0.1	0.82	0.217843298	2.614012382	78.35134342
9.2	0.003392491	0.020254528	0.13218127	0.1	0.82	0.217861169	2.614226805	80.96557022
9.4	0.003466383	0.020695693	0.132192115	0.1	0.82	0.217879045	2.614441282	83.5800115
9.6	0.003540281	0.021136895	0.132202964	0.1	0.82	0.217896925	2.614655814	86.19466732
9.8	0.003614185	0.021578133	0.132213815	0.1	0.82	0.217914809	2.614870402	88.80953772
10	0.003688096	0.022019407	0.132224668	0.1	0.82	0.217932698	2.615085045	91.42462277
10.2	0.003762012	0.022460717	0.132235525	0.1	0.82	0.217950592	2.615299742	94.03992251
10.4	0.003835935	0.022902064	0.132246384	0.1	0.82	0.21796849	2.615514495	96.655437
10.6	0.003909863	0.023343447	0.132257246	0.1	0.82	0.217986393	2.615729303	99.27116631
10.8	0.003983798	0.023784867	0.132268111	0.1	0.82	0.218004301	2.615944166	101.8871105
11	0.004057739	0.024226323	0.132278979	0.1	0.82	0.218022213	2.616159085	104.5032696
11.2	0.004131685	0.024667815	0.132289849	0.1	0.82	0.21804013	2.616374059	107.1196436
11.4	0.004205638	0.025109344	0.132300723	0.1	0.82	0.218058051	2.616589088	109.7362327
11.6	0.004279597	0.025550909	0.132311599	0.1	0.82	0.218075977	2.616804172	112.3530369
11.8	0.004353563	0.02599251	0.132322478	0.1	0.82	0.218093908	2.617019311	114.9700562
12	0.004427534	0.026434148	0.132333359	0.1	0.82	0.218111843	2.617234506	117.5872907
12.2	0.004501511	0.026875822	0.132344244	0.1	0.82	0.218129783	2.617449756	120.2047404
12.4	0.004575495	0.027317533	0.132355131	0.1	0.82	0.218147727	2.617665062	122.8224055
12.6	0.004649484	0.02775928	0.132366021	0.1	0.82	0.218165676	2.617880423	125.4402859
12.8	0.00472348	0.028201064	0.132376914	0.1	0.82	0.21818363	2.618095839	128.0583818
13	0.004797482	0.028642884	0.13238781	0.1	0.82	0.218201588	2.618311311	130.6766931
13.2	0.004871489	0.02908474	0.132398708	0.1	0.82	0.218219551	2.618526839	133.2952199
13.4	0.004945503	0.029526633	0.13240961	0.1	0.82	0.218237519	2.618742421	135.9139623
13.6	0.005019523	0.029968563	0.132420514	0.1	0.82	0.218255491	2.61895806	138.5329204
13.8	0.00509355	0.030410529	0.132431421	0.1	0.82	0.218273468	2.619173754	141.1520942
14	0.005167582	0.030852531	0.132442331	0.1	0.82	0.218291449	2.619389503	143.7714837
14.2	0.00524162	0.03129457	0.132453243	0.1	0.82	0.218309435	2.619605308	146.391089
14.4	0.005315665	0.031736645	0.132464159	0.1	0.82	0.218327426	2.619821169	149.0109101
14.6	0.005389716	0.032178757	0.132475077	0.1	0.82	0.218345421	2.620037085	151.6309472
14.8	0.005463772	0.032620906	0.132485998	0.1	0.82	0.218363421	2.620253057	154.2512003
15	0.005537835	0.033063091	0.132496922	0.1	0.82	0.218381426	2.620469085	156.8716694
15.2	0.005611904	0.033505313	0.132507848	0.1	0.82	0.218399435	2.620685168	159.4923545
15.4	0.005685979	0.033947571	0.132518778	0.1	0.82	0.218417449	2.620901308	162.1132558
15.6	0.005760061	0.034389866	0.13252971	0.1	0.82	0.218435468	2.621117502	164.7343733
15.8	0.005834148	0.034832197	0.132540645	0.1	0.82	0.218453491	2.621333753	167.3557071
16	0.005908242	0.035274565	0.132551583	0.1	0.82	0.218471519	2.62155006	169.9772572
16.2	0.005982341	0.03571697	0.132562524	0.1	0.82	0.218489551	2.621766422	172.5990236
16.4	0.006056447	0.036159411	0.132573467	0.1	0.82	0.218507589	2.62198284	175.2210064
16.6	0.006130559	0.036601889	0.132584414	0.1	0.82	0.21852563	2.622199314	177.8432057
16.8	0.006204677	0.037044403	0.132595363	0.1	0.82	0.218543677	2.622415844	180.4656216
17	0.006278801	0.037486954	0.132606315	0.1	0.82	0.218561728	2.62263243	183.088254
17.2	0.006352931	0.037929542	0.13261727	0.1	0.82	0.218579784	2.622849072	185.7111031
17.4	0.006427068	0.038372166	0.132628227	0.1	0.82	0.218597844	2.62306577	188.3341689

17.6	0.006501211	0.038814828	0.132639188	0.1	0.82	0.21861591	2.623282524	190.9574514
17.8	0.006575359	0.039257525	0.132650151	0.1	0.82	0.218633979	2.623499334	193.5809507
18	0.006649514	0.03970026	0.132661118	0.1	0.82	0.218652054	2.6237162	196.2046669
18.2	0.006723675	0.040143031	0.132672087	0.1	0.82	0.218670133	2.623933122	198.8286
18.4	0.006797842	0.040585839	0.132683058	0.1	0.82	0.218688217	2.6241501	201.4527501
18.6	0.006872016	0.041028683	0.132694033	0.1	0.82	0.218706305	2.624367134	204.0771173
18.8	0.006946195	0.041471565	0.132705011	0.1	0.82	0.218724399	2.624584225	206.7017015
19	0.007020381	0.041914483	0.132715991	0.1	0.82	0.218742497	2.624801371	209.3265029
19.2	0.007094573	0.042357438	0.132726974	0.1	0.82	0.218760599	2.625018574	211.9515214
19.4	0.007168771	0.042800429	0.13273796	0.1	0.82	0.218778706	2.625235833	214.5767573
19.6	0.007242975	0.043243458	0.132748949	0.1	0.82	0.218796818	2.625453148	217.2022104
19.8	0.007317185	0.043686523	0.132759941	0.1	0.82	0.218814935	2.62567052	219.8278809
20	0.007391402	0.044129625	0.132770936	0.1	0.82	0.218833056	2.625887948	222.4537689
20.2	0.007465624	0.044572763	0.132781933	0.1	0.82	0.218851182	2.626105432	225.0798743
20.4	0.007539853	0.045015939	0.132792934	0.1	0.82	0.218869313	2.626322972	227.7061973
20.6	0.007614088	0.045459151	0.132803937	0.1	0.82	0.218887448	2.626540569	230.3327379
20.8	0.007688329	0.0459024	0.132814943	0.1	0.82	0.218905589	2.626758223	232.9594961
21	0.007762576	0.046345686	0.132825952	0.1	0.82	0.218923733	2.626975932	235.586472
21.2	0.00783683	0.046789009	0.132836963	0.1	0.82	0.218941883	2.627193699	238.2136657
21.4	0.007911089	0.047232369	0.132847978	0.1	0.82	0.218960037	2.627411521	240.8410772
21.6	0.007985355	0.047675765	0.132858995	0.1	0.82	0.218978196	2.6276294	243.4687066
21.8	0.008059627	0.048119199	0.132870016	0.1	0.82	0.21899636	2.627847336	246.096554
22	0.008133905	0.048562669	0.132881039	0.1	0.82	0.219014528	2.628065328	248.7246193
22.2	0.00820819	0.049006176	0.132892065	0.1	0.82	0.219032701	2.628283377	251.3529027
22.4	0.00828248	0.04944972	0.132903094	0.1	0.82	0.219050879	2.628501482	253.9814042
22.6	0.008356777	0.049893301	0.132914125	0.1	0.82	0.219069062	2.628719644	256.6101238
22.8	0.00843108	0.050336919	0.13292516	0.1	0.82	0.219087249	2.628937863	259.2390617
23	0.008505389	0.050780574	0.132936198	0.1	0.82	0.219105441	2.629156138	261.8682178
23.2	0.008579704	0.051224266	0.132947238	0.1	0.82	0.219123638	2.62937447	264.4975923
23.4	0.008654026	0.051667995	0.132958281	0.1	0.82	0.219141839	2.629592859	267.1271851
23.6	0.008728353	0.05211176	0.132969327	0.1	0.82	0.219160045	2.629811304	269.7569964
23.8	0.008802687	0.052555563	0.132980376	0.1	0.82	0.219178256	2.630029806	272.3870262
24	0.008877027	0.052999403	0.132991428	0.1	0.82	0.219196472	2.630248365	275.0172746
24.2	0.008951373	0.053443279	0.133002483	0.1	0.82	0.219214692	2.630466981	277.6477416
24.4	0.009025726	0.053887193	0.13301354	0.1	0.82	0.219232917	2.630685654	280.2784272
24.6	0.009100084	0.054331144	0.133024601	0.1	0.82	0.219251147	2.630904383	282.9093316
24.8	0.009174449	0.054775131	0.133035664	0.1	0.82	0.219269381	2.63112317	285.5404548
25	0.00924882	0.055219156	0.13304673	0.1	0.82	0.219287621	2.631342013	288.1717968
25.2	0.009323197	0.055663218	0.133057799	0.1	0.82	0.219305865	2.631560913	290.8033577
25.4	0.009397581	0.056107316	0.133068871	0.1	0.82	0.219324114	2.631779871	293.4351376
25.6	0.00947197	0.056551452	0.133079946	0.1	0.82	0.219342367	2.631998885	296.0671365
25.8	0.009546366	0.056995625	0.133091024	0.1	0.82	0.219360625	2.632217956	298.6993544
26	0.009620768	0.057439835	0.133102104	0.1	0.82	0.219378889	2.632437084	301.3317915
26.2	0.009695177	0.057884082	0.133113188	0.1	0.82	0.219397156	2.63265627	303.9644478
26.4	0.009769591	0.058328366	0.133124274	0.1	0.82	0.219415429	2.632875512	306.5973233
26.6	0.009844012	0.058772687	0.133135364	0.1	0.82	0.219433706	2.633094812	309.2304181
26.8	0.009918439	0.059217046	0.133146456	0.1	0.82	0.219451988	2.633314168	311.8637323
27	0.009992872	0.059661441	0.133157551	0.1	0.82	0.219470275	2.633533582	314.4972659
27.2	0.010067311	0.060105874	0.133168649	0.1	0.82	0.219488567	2.633753053	317.1310189
27.4	0.010141757	0.060550344	0.13317975	0.1	0.82	0.219506863	2.633972581	319.7649915
27.6	0.010216208	0.060994851	0.133190853	0.1	0.82	0.219525164	2.634192167	322.3991837
27.8	0.010290666	0.061439395	0.13320196	0.1	0.82	0.21954347	2.63441181	325.0335955
28	0.010365131	0.061883976	0.13321307	0.1	0.82	0.219561781	2.63463151	327.668227

28.2	0.010439601	0.062328594	0.133224182	0.1	0.82	0.219580097	2.634851267	330.3030782
28.4	0.010514078	0.06277325	0.133235297	0.1	0.82	0.219598417	2.635071082	332.9381493
28.6	0.010588561	0.063217943	0.133246415	0.1	0.82	0.219616742	2.635290954	335.5734403
28.8	0.01066305	0.063662673	0.133257537	0.1	0.82	0.219635072	2.635510883	338.2089512
29	0.010737545	0.06410744	0.133268661	0.1	0.82	0.219653407	2.63573087	340.844682
29.2	0.010812047	0.064552245	0.133279788	0.1	0.82	0.219671746	2.635950915	343.480633
29.4	0.010886555	0.064997086	0.133290917	0.1	0.82	0.21969009	2.636171016	346.116804
29.6	0.010961069	0.065441965	0.13330205	0.1	0.82	0.219708439	2.636391176	348.7531951
29.8	0.011035589	0.065886882	0.133313186	0.1	0.82	0.219726793	2.636611392	351.3898065
30	0.011110116	0.066331835	0.133324324	0.1	0.82	0.219745152	2.636831667	354.0266382
30.2	0.011184649	0.066776826	0.133335466	0.1	0.82	0.219763515	2.637051999	356.6636902
30.4	0.011259188	0.067221854	0.13334661	0.1	0.82	0.219781883	2.637272388	359.3009626
30.6	0.011333733	0.067666919	0.133357758	0.1	0.82	0.219800256	2.637492835	361.9384554
30.8	0.011408285	0.068112022	0.133368908	0.1	0.82	0.219818634	2.63771334	364.5761688
31	0.011482842	0.068557162	0.133380061	0.1	0.82	0.219837017	2.637933903	367.2141027
31.2	0.011557406	0.069002339	0.133391217	0.1	0.82	0.219855404	2.638154523	369.8522572
31.4	0.011631977	0.069447554	0.133402376	0.1	0.82	0.219873796	2.6383752	372.4906324
31.6	0.011706553	0.069892806	0.133413538	0.1	0.82	0.219892193	2.638595936	375.1292283
31.8	0.011781136	0.070338095	0.133424703	0.1	0.82	0.219910595	2.638816729	377.7680451
32	0.011855725	0.070783422	0.13343587	0.1	0.82	0.219929002	2.639037581	380.4070826
32.2	0.011930321	0.071228786	0.133447041	0.1	0.82	0.219947413	2.63925849	383.0463411
32.4	0.012004922	0.071674188	0.133458215	0.1	0.82	0.21996583	2.639479456	385.6858206
32.6	0.01207953	0.072119627	0.133469391	0.1	0.82	0.219984251	2.639700481	388.3255211
32.8	0.012154144	0.072565103	0.133480571	0.1	0.82	0.220002677	2.639921564	390.9654426
33	0.012228765	0.073010617	0.133491753	0.1	0.82	0.220021107	2.640142704	393.6055853
33.2	0.012303391	0.073456168	0.133502938	0.1	0.82	0.220039543	2.640363903	396.2459492
33.4	0.012378024	0.073901756	0.133514127	0.1	0.82	0.220057983	2.640585159	398.8865344
33.6	0.012452664	0.074347382	0.133525318	0.1	0.82	0.220076429	2.640806474	401.5273409
33.8	0.012527309	0.074793046	0.133536512	0.1	0.82	0.220094879	2.641027846	404.1683687
34	0.012601961	0.075238747	0.133547709	0.1	0.82	0.220113334	2.641249277	406.809618
34.2	0.012676619	0.075684485	0.133558909	0.1	0.82	0.220131794	2.641470765	409.4510888
34.4	0.012751283	0.076130261	0.133570112	0.1	0.82	0.220150258	2.641692312	412.0927811
34.6	0.012825954	0.076576075	0.133581318	0.1	0.82	0.220168728	2.641913917	414.734695
34.8	0.012900631	0.077021925	0.133592526	0.1	0.82	0.220187202	2.64213558	417.3768306
35	0.012975314	0.077467814	0.133603738	0.1	0.82	0.220205681	2.642357301	420.0191879
35.2	0.013050003	0.07791374	0.133614953	0.1	0.82	0.220224165	2.64257908	422.6617669
35.4	0.013124699	0.078359703	0.133626171	0.1	0.82	0.220242654	2.642800918	425.3045679
35.6	0.013199401	0.078805704	0.133637391	0.1	0.82	0.220261148	2.643022814	427.9475907
35.8	0.013274109	0.079251743	0.133648615	0.1	0.82	0.220279647	2.643244768	430.5908354
36	0.013348824	0.079697819	0.133659841	0.1	0.82	0.22029815	2.64346678	433.2343022
36.2	0.013423545	0.080143933	0.133671071	0.1	0.82	0.220316658	2.643688851	435.8779911
36.4	0.013498272	0.080590084	0.133682303	0.1	0.82	0.220335172	2.64391098	438.5219021
36.6	0.013573006	0.081036273	0.133693538	0.1	0.82	0.22035369	2.644133168	441.1660352
36.8	0.013647745	0.0814825	0.133704776	0.1	0.82	0.220372213	2.644355414	443.8103906
37	0.013722492	0.081928764	0.133716018	0.1	0.82	0.22039074	2.644577718	446.4549684
37.2	0.013797244	0.082375065	0.133727262	0.1	0.82	0.220409273	2.644800081	449.0997684
37.4	0.013872003	0.082821405	0.133738509	0.1	0.82	0.220427811	2.645022502	451.7447909
37.6	0.013946768	0.083267782	0.133749759	0.1	0.82	0.220446353	2.645244982	454.3900359
37.8	0.014021539	0.083714197	0.133761012	0.1	0.82	0.2204649	2.64546752	457.0355034
38	0.014096317	0.084160649	0.133772268	0.1	0.82	0.220483453	2.645690117	459.6811936
38.2	0.014171101	0.084607139	0.133783527	0.1	0.82	0.22050201	2.645912773	462.3271063
38.4	0.014245891	0.085053667	0.133794789	0.1	0.82	0.220520572	2.646135487	464.9732418
38.6	0.014320687	0.085500232	0.133806054	0.1	0.82	0.220539138	2.64635826	467.6196001

38.8	0.01439549	0.085946835	0.133817322	0.1	0.82	0.22055771	2.646581091	470.2661812
39	0.014470299	0.086393476	0.133828593	0.1	0.82	0.220576287	2.646803981	472.9129851
39.2	0.014545115	0.086840154	0.133839867	0.1	0.82	0.220594868	2.64702693	475.5600121
39.4	0.014619937	0.087286871	0.133851143	0.1	0.82	0.220613455	2.647249938	478.207262
39.6	0.014694765	0.087733625	0.133862423	0.1	0.82	0.220632046	2.647473004	480.854735
39.8	0.014769599	0.088180416	0.133873706	0.1	0.82	0.220650642	2.647696129	483.5024311
40	0.01484444	0.088627246	0.133884992	0.1	0.82	0.220669243	2.647919313	486.1503505
40.2	0.014919287	0.089074113	0.13389628	0.1	0.82	0.220687849	2.648142556	488.798493
40.4	0.014994141	0.089521018	0.133907572	0.1	0.82	0.22070646	2.648365858	491.4468589
40.6	0.015069001	0.089967961	0.133918867	0.1	0.82	0.220725076	2.648589219	494.0954481
40.8	0.015143867	0.090414942	0.133930164	0.1	0.82	0.220743697	2.648812638	496.7442607
41	0.015218739	0.09086196	0.133941465	0.1	0.82	0.220762323	2.649036117	499.3932968
41.2	0.015293618	0.091309017	0.133952769	0.1	0.82	0.220780953	2.649259654	502.0425565
41.4	0.015368503	0.091756111	0.133964075	0.1	0.82	0.220799589	2.649483251	504.6920398
41.6	0.015443395	0.092203243	0.133975385	0.1	0.82	0.220818229	2.649706906	507.3417467
41.8	0.015518292	0.092650413	0.133986697	0.1	0.82	0.220836874	2.649930621	509.9916773
42	0.015593197	0.09309762	0.133998013	0.1	0.82	0.220855525	2.650154395	512.6418317
42.2	0.015668107	0.093544866	0.134009331	0.1	0.82	0.22087418	2.650378227	515.2922099
42.4	0.015743024	0.093992149	0.134020653	0.1	0.82	0.22089284	2.650602119	517.942812
42.6	0.015817947	0.094439471	0.134031977	0.1	0.82	0.220911505	2.65082607	520.5936381
42.8	0.015892877	0.09488683	0.134043305	0.1	0.82	0.220930175	2.651050081	523.2446882
43	0.015967812	0.095334227	0.134054635	0.1	0.82	0.22094885	2.65127415	525.8959623
43.2	0.016042755	0.095781662	0.134065969	0.1	0.82	0.22096753	2.651498279	528.5474606
43.4	0.016117703	0.096229135	0.134077305	0.1	0.82	0.220986215	2.651722467	531.1991831
43.6	0.016192658	0.096676646	0.134088645	0.1	0.82	0.221004904	2.651946714	533.8511298
43.8	0.016267619	0.097124195	0.134099987	0.1	0.82	0.221023599	2.652171021	536.5033008
44	0.016342587	0.097571782	0.134111333	0.1	0.82	0.221042299	2.652395387	539.1556962
44.2	0.016417561	0.098019407	0.134122681	0.1	0.82	0.221061003	2.652619813	541.808316
44.4	0.016492542	0.09846707	0.134134033	0.1	0.82	0.221079713	2.652844297	544.4611603
44.6	0.016567528	0.098914771	0.134145387	0.1	0.82	0.221098427	2.653068842	547.1142291
44.8	0.016642521	0.09936251	0.134156745	0.1	0.82	0.221117147	2.653293445	549.7675226
45	0.016717521	0.099810286	0.134168105	0.1	0.82	0.221135871	2.653518108	552.4210407
45.2	0.016792527	0.100258101	0.134179469	0.1	0.82	0.221154601	2.653742831	555.0747835
45.4	0.016867539	0.100705954	0.134190835	0.1	0.82	0.221173335	2.653967613	557.7287511
45.6	0.016942557	0.101153845	0.134202205	0.1	0.82	0.221192074	2.654192455	560.3829436
45.8	0.017017582	0.101601774	0.134213578	0.1	0.82	0.221210818	2.654417356	563.037361
46	0.017092614	0.102049741	0.134224953	0.1	0.82	0.221229568	2.654642317	565.6920033
46.2	0.017167651	0.102497746	0.134236332	0.1	0.82	0.221248322	2.654867338	568.3468706
46.4	0.017242696	0.10294579	0.134247713	0.1	0.82	0.221267081	2.655092418	571.001963
46.6	0.017317746	0.103393871	0.134259098	0.1	0.82	0.221285845	2.655317558	573.6572806
46.8	0.017392803	0.10384199	0.134270486	0.1	0.82	0.221304614	2.655542758	576.3128233
47	0.017467866	0.104290148	0.134281876	0.1	0.82	0.221323388	2.655768017	578.9685914
47.2	0.017542936	0.104738344	0.13429327	0.1	0.82	0.221342168	2.655993336	581.6245847
47.4	0.017618012	0.105186578	0.134304667	0.1	0.82	0.221360952	2.656218716	584.2808034
47.6	0.017693094	0.10563485	0.134316066	0.1	0.82	0.221379741	2.656444154	586.9372476
47.8	0.017768183	0.10608316	0.134327469	0.1	0.82	0.221398535	2.656669653	589.5939172
48	0.017843278	0.106531508	0.134338875	0.1	0.82	0.221417334	2.656895212	592.2508124
48.2	0.01791838	0.106979894	0.134350284	0.1	0.82	0.221436138	2.65712083	594.9079333
48.4	0.017993488	0.107428319	0.134361696	0.1	0.82	0.221454947	2.657346508	597.5652798
48.6	0.018068602	0.107876782	0.134373111	0.1	0.82	0.221473761	2.657572247	600.222852
48.8	0.018143723	0.108325283	0.134384529	0.1	0.82	0.22149258	2.657798045	602.8806501
49	0.01821885	0.108773822	0.13439595	0.1	0.82	0.221511404	2.658023904	605.538674
49.2	0.018293984	0.1092224	0.134407374	0.1	0.82	0.221530233	2.658249822	608.1969238

49.4	0.018369124	0.109671015	0.134418801	0.1	0.82	0.221549067	2.658475801	610.8553996
49.6	0.01844427	0.110119669	0.134430231	0.1	0.82	0.221567906	2.658701839	613.5141014
49.8	0.018519423	0.110568362	0.134441664	0.1	0.82	0.22158675	2.658927938	616.1730294
50	0.018594582	0.111017092	0.1344531	0.1	0.82	0.221605599	2.659154097	618.8321835
50.2	0.018669748	0.111465861	0.134464539	0.1	0.82	0.221624453	2.659380316	621.4915638
50.4	0.01874492	0.111914668	0.134475981	0.1	0.82	0.221643312	2.659606595	624.1511704
50.6	0.018820098	0.112363513	0.134487427	0.1	0.82	0.221662177	2.659832934	626.8110033
50.8	0.018895283	0.112812397	0.134498875	0.1	0.82	0.221681046	2.660059334	629.4710626
51	0.018970474	0.113261319	0.134510326	0.1	0.82	0.22169992	2.660285794	632.1313484
51.2	0.019045672	0.113710279	0.134521781	0.1	0.82	0.221718799	2.660512314	634.7918607
51.4	0.019120876	0.114159278	0.134533238	0.1	0.82	0.221737683	2.660738895	637.4525996
51.6	0.019196087	0.114608315	0.134544699	0.1	0.82	0.221756573	2.660965536	640.1135652
51.8	0.019271304	0.11505739	0.134556162	0.1	0.82	0.221775467	2.661192237	642.7747574
52	0.019346527	0.115506504	0.134567629	0.1	0.82	0.221794366	2.661418999	645.4361764
52.2	0.019421757	0.115955656	0.134579099	0.1	0.82	0.221813271	2.661645822	648.0978222
52.4	0.019496993	0.116404847	0.134590572	0.1	0.82	0.22183218	2.661872704	650.7596949
52.6	0.019572236	0.116854076	0.134602047	0.1	0.82	0.221851095	2.662099647	653.4217946
52.8	0.019647485	0.117303343	0.134613526	0.1	0.82	0.221870014	2.662326651	656.0841212
53	0.01972274	0.117752649	0.134625008	0.1	0.82	0.221888939	2.662553716	658.746675
53.2	0.019798002	0.118201993	0.134636493	0.1	0.82	0.221907868	2.66278084	661.4094558
53.4	0.019873271	0.118651376	0.134647981	0.1	0.82	0.221926803	2.663008026	664.0724638
53.6	0.019948546	0.119100797	0.134659472	0.1	0.82	0.221945743	2.663235272	666.7356991
53.8	0.020023827	0.119550256	0.134670967	0.1	0.82	0.221964687	2.663462579	669.3991617
54	0.020099115	0.119999754	0.134682464	0.1	0.82	0.221983637	2.663689946	672.0628516
54.2	0.020174409	0.120449291	0.134693964	0.1	0.82	0.222002592	2.663917375	674.726769
54.4	0.02024971	0.120898866	0.134705468	0.1	0.82	0.222021552	2.664144864	677.3909139
54.6	0.020325017	0.121348479	0.134716974	0.1	0.82	0.222040517	2.664372413	680.0552863
54.8	0.02040033	0.121798131	0.134728484	0.1	0.82	0.222059487	2.664600024	682.7198863
55	0.02047565	0.122247822	0.134739996	0.1	0.82	0.222078462	2.664827695	685.384714
55.2	0.020550977	0.122697551	0.134751512	0.1	0.82	0.222097442	2.665055427	688.0497694
55.4	0.02062631	0.123147319	0.134763031	0.1	0.82	0.222116428	2.66528322	690.7150526
55.6	0.020701649	0.123597125	0.134774553	0.1	0.82	0.222135418	2.665511074	693.3805637
55.8	0.020776995	0.124046969	0.134786078	0.1	0.82	0.222154414	2.665738989	696.0463027
56	0.020852347	0.124496853	0.134797606	0.1	0.82	0.222173414	2.665966965	698.7122697
56.2	0.020927706	0.124946775	0.134809137	0.1	0.82	0.22219242	2.666195002	701.3784647
56.4	0.021003071	0.125396735	0.134820671	0.1	0.82	0.22221143	2.6664231	704.0448878
56.6	0.021078443	0.125846734	0.134832209	0.1	0.82	0.222230446	2.666651259	706.711539
56.8	0.021153821	0.126296772	0.134843749	0.1	0.82	0.222249467	2.666879479	709.3784185
57	0.021229205	0.126746848	0.134855292	0.1	0.82	0.222268493	2.66710776	712.0455263
57.2	0.021304597	0.127196963	0.134866839	0.1	0.82	0.222287524	2.667336102	714.7128624
57.4	0.021379994	0.127647117	0.134878389	0.1	0.82	0.22230656	2.667564506	717.3804269
57.6	0.021455398	0.128097309	0.134889941	0.1	0.82	0.222325601	2.66779297	720.0482198
57.8	0.021530809	0.12854754	0.134901497	0.1	0.82	0.222344648	2.668021496	722.7162413
58	0.021606226	0.12899781	0.134913056	0.1	0.82	0.222363699	2.668250083	725.3844914
58.2	0.021681649	0.129448118	0.134924618	0.1	0.82	0.222382756	2.668478731	728.0529702
58.4	0.021757079	0.129898465	0.134936183	0.1	0.82	0.222401818	2.668707441	730.7216776
58.6	0.021832516	0.130348851	0.134947752	0.1	0.82	0.222420884	2.668936212	733.3906138
58.8	0.021907958	0.130799275	0.134959323	0.1	0.82	0.222439956	2.669165044	736.0597789
59	0.021983408	0.131249739	0.134970898	0.1	0.82	0.222459033	2.669393938	738.7291728
59.2	0.022058864	0.131700241	0.134982475	0.1	0.82	0.222478115	2.669622893	741.3987957
59.4	0.022134326	0.132150781	0.134994056	0.1	0.82	0.222497203	2.669851909	744.0686476
59.6	0.022209795	0.132601361	0.13500564	0.1	0.82	0.222516295	2.670080987	746.7387286
59.8	0.02228527	0.133051979	0.135017226	0.1	0.82	0.222535393	2.670310127	749.4090387

60	0.022360752	0.133502636	0.135028816	0.1	0.82	0.222554495	2.670539328	752.079578
60.2	0.022436241	0.133953332	0.13504041	0.1	0.82	0.222573603	2.67076859	754.7503466
60.4	0.022511736	0.134404066	0.135052006	0.1	0.82	0.222592716	2.670997914	757.4213445
60.6	0.022587237	0.13485484	0.135063605	0.1	0.82	0.222611834	2.6712273	760.0925718
60.8	0.022662745	0.135305652	0.135075208	0.1	0.82	0.222630957	2.671456747	762.7640286
61	0.022738259	0.135756503	0.135086813	0.1	0.82	0.222650085	2.671686256	765.4357148
61.2	0.02281378	0.136207393	0.135098422	0.1	0.82	0.222669219	2.671915826	768.1076307
61.4	0.022889308	0.136658322	0.135110034	0.1	0.82	0.222688358	2.672145459	770.7797761
61.6	0.022964841	0.13710929	0.135121649	0.1	0.82	0.222707501	2.672375153	773.4521513
61.8	0.023040382	0.137560296	0.135133267	0.1	0.82	0.22272665	2.672604909	776.1247562
62	0.023115929	0.138011342	0.135144888	0.1	0.82	0.222745804	2.672834726	778.7975909
62.2	0.023191482	0.138462426	0.135156512	0.1	0.82	0.222764963	2.673064606	781.4706555
62.4	0.023267042	0.138913549	0.13516814	0.1	0.82	0.222784128	2.673294547	784.1439501
62.6	0.023342609	0.139364711	0.13517977	0.1	0.82	0.222803297	2.67352455	786.8174746
62.8	0.023418182	0.139815912	0.135191404	0.1	0.82	0.222822472	2.673754615	789.4912292
63	0.023493761	0.140267152	0.135203041	0.1	0.82	0.222841652	2.673984742	792.165214
63.2	0.023569347	0.140718431	0.135214681	0.1	0.82	0.222860837	2.674214931	794.8394289
63.4	0.02364494	0.141169749	0.135226324	0.1	0.82	0.222880027	2.674445182	797.5138741
63.6	0.023720539	0.141621106	0.13523797	0.1	0.82	0.222899222	2.674675495	800.1885496
63.8	0.023796145	0.142072502	0.135249619	0.1	0.82	0.222918423	2.67490587	802.8634555
64	0.023871757	0.142523937	0.135261272	0.1	0.82	0.222937628	2.675136307	805.5385918
64.2	0.023947376	0.142975411	0.135272928	0.1	0.82	0.222956839	2.675366806	808.2139586
64.4	0.024023001	0.143426924	0.135284586	0.1	0.82	0.222976055	2.675597367	810.8895559
64.6	0.024098633	0.143878476	0.135296248	0.1	0.82	0.222995277	2.675827991	813.5653839
64.8	0.024174271	0.144330067	0.135307913	0.1	0.82	0.223014503	2.676058676	816.2414426
65	0.024249916	0.144781697	0.135319582	0.1	0.82	0.223033734	2.676289424	818.917732
65.2	0.024325567	0.145233366	0.135331253	0.1	0.82	0.223052971	2.676520234	821.5942523
65.4	0.024401225	0.145685074	0.135342928	0.1	0.82	0.223072213	2.676751107	824.2710034
65.6	0.02447689	0.146136821	0.135354605	0.1	0.82	0.22309146	2.676982041	826.9479854
65.8	0.024552561	0.146588608	0.135366286	0.1	0.82	0.223110713	2.677213038	829.6251984
66	0.024628238	0.147040433	0.13537797	0.1	0.82	0.22312997	2.677444098	832.3026425
66.2	0.024703922	0.147492297	0.135389657	0.1	0.82	0.223149233	2.677675219	834.9803178
66.4	0.024779613	0.147944201	0.135401347	0.1	0.82	0.223168501	2.677906403	837.6582242
66.6	0.02485531	0.148396144	0.135413041	0.1	0.82	0.223187774	2.67813765	840.3363618
66.8	0.024931014	0.148848126	0.135424738	0.1	0.82	0.223207052	2.678368959	843.0147308
67	0.025006724	0.149300147	0.135436437	0.1	0.82	0.223226336	2.678600331	845.6933311
67.2	0.025082441	0.149752207	0.13544814	0.1	0.82	0.223245625	2.678831765	848.3721629
67.4	0.025158165	0.150204307	0.135459846	0.1	0.82	0.223264919	2.679063261	851.0512261
67.6	0.025233895	0.150656445	0.135471556	0.1	0.82	0.223284218	2.67929482	853.7305209
67.8	0.025309631	0.151108623	0.135483268	0.1	0.82	0.223303522	2.679526442	856.4100474
68	0.025385374	0.15156084	0.135494984	0.1	0.82	0.223322832	2.679758127	859.0898055
68.2	0.025461124	0.152013096	0.135506702	0.1	0.82	0.223342147	2.679989874	861.7697954
68.4	0.025536881	0.152465392	0.135518424	0.1	0.82	0.223361467	2.680221684	864.4500171
68.6	0.025612643	0.152917726	0.135530149	0.1	0.82	0.223380792	2.680453556	867.1304706
68.8	0.025688413	0.1533701	0.135541878	0.1	0.82	0.223400123	2.680685491	869.8111561
69	0.025764189	0.153822513	0.135553609	0.1	0.82	0.223419459	2.680917489	872.4920736
69.2	0.025839971	0.154274966	0.135565344	0.1	0.82	0.2234388	2.68114955	875.1732232
69.4	0.025915761	0.154727457	0.135577082	0.1	0.82	0.223458146	2.681381674	877.8546048
69.6	0.025991556	0.155179989	0.135588823	0.1	0.82	0.223477497	2.681613861	880.5362187
69.8	0.026067359	0.155632559	0.135600567	0.1	0.82	0.223496854	2.68184611	883.2180648
70	0.026143168	0.156085168	0.135612314	0.1	0.82	0.223516216	2.682078422	885.9001432
70.2	0.026218983	0.156537817	0.135624065	0.1	0.82	0.223535583	2.682310798	888.582454
70.4	0.026294805	0.156990506	0.135635818	0.1	0.82	0.223554956	2.682543236	891.2649973

70.6	0.026370634	0.157443233	0.135647575	0.1	0.82	0.223574334	2.682775737	893.947773
70.8	0.026446469	0.157896	0.135659335	0.1	0.82	0.223593717	2.683008302	896.6307813
71	0.026522311	0.158348807	0.135671099	0.1	0.82	0.223613105	2.683240929	899.3140222
71.2	0.02659816	0.158801652	0.135682865	0.1	0.82	0.223632498	2.68347362	901.9974959
71.4	0.026674015	0.159254538	0.135694635	0.1	0.82	0.223651897	2.683706373	904.6812022
71.6	0.026749876	0.159707462	0.135706408	0.1	0.82	0.223671301	2.68393919	907.3651414
71.8	0.026825745	0.160160426	0.135718184	0.1	0.82	0.22369071	2.68417207	910.0493135
72	0.02690162	0.160613429	0.135729963	0.1	0.82	0.223710125	2.684405013	912.7337185
72.2	0.026977501	0.161066472	0.135741745	0.1	0.82	0.223729545	2.68463802	915.4183565
72.4	0.027053389	0.161519554	0.135753531	0.1	0.82	0.22374897	2.68487109	918.1032276
72.6	0.027129284	0.161972676	0.13576532	0.1	0.82	0.2237684	2.685104223	920.7883318
72.8	0.027205185	0.162425837	0.135777112	0.1	0.82	0.223787836	2.685337419	923.4736692
73	0.027281093	0.162879038	0.135788907	0.1	0.82	0.223807277	2.685570679	926.1592399
73.2	0.027357008	0.163332278	0.135800706	0.1	0.82	0.223826723	2.685804002	928.8450439
73.4	0.027432929	0.163785557	0.135812507	0.1	0.82	0.223846175	2.686037388	931.5310813
73.6	0.027508856	0.164238876	0.135824312	0.1	0.82	0.223865632	2.686270838	934.2173522
73.8	0.027584791	0.164692235	0.13583612	0.1	0.82	0.223885094	2.686504351	936.9038565
74	0.027660732	0.165145633	0.135847932	0.1	0.82	0.223904561	2.686737928	939.5905944
74.2	0.027736679	0.165599071	0.135859746	0.1	0.82	0.223924034	2.686971569	942.277566
74.4	0.027812634	0.166052548	0.135871564	0.1	0.82	0.223943512	2.687205273	944.9647713
74.6	0.027888595	0.166506065	0.135883385	0.1	0.82	0.223962995	2.68743904	947.6522103
74.8	0.027964562	0.166959621	0.135895209	0.1	0.82	0.223982484	2.687672872	950.3398832
75	0.028040536	0.167413217	0.135907036	0.1	0.82	0.224001977	2.687906766	953.02779
75.2	0.028116517	0.167866852	0.135918867	0.1	0.82	0.224021477	2.688140725	955.7159307
75.4	0.028192504	0.168320528	0.135930701	0.1	0.82	0.224040981	2.688374747	958.4043054
75.6	0.028268498	0.168774242	0.135942538	0.1	0.82	0.224060491	2.688608833	961.0929143
75.8	0.028344499	0.169227997	0.135954378	0.1	0.82	0.224080006	2.688842983	963.7817572
76	0.028420506	0.169681791	0.135966222	0.1	0.82	0.224099527	2.689077196	966.4708344
76.2	0.02849652	0.170135624	0.135978068	0.1	0.82	0.224119052	2.689311474	969.1601459
76.4	0.028572541	0.170589498	0.135989918	0.1	0.82	0.224138583	2.689545815	971.8496917
76.6	0.028648568	0.17104341	0.136001772	0.1	0.82	0.22415812	2.68978022	974.5394719
76.8	0.028724602	0.171497363	0.136013628	0.1	0.82	0.224177662	2.690014689	977.2294866
77	0.028800642	0.171951355	0.136025488	0.1	0.82	0.224197209	2.690249222	979.9197359
77.2	0.02887669	0.172405387	0.13603735	0.1	0.82	0.224216761	2.690483818	982.6102197
77.4	0.028952743	0.172859459	0.136049217	0.1	0.82	0.224236319	2.690718479	985.3009382
77.6	0.029028804	0.173313571	0.136061086	0.1	0.82	0.224255882	2.690953204	987.9918914
77.8	0.029104871	0.173767722	0.136072959	0.1	0.82	0.22427545	2.691187993	990.6830794
78	0.029180945	0.174221913	0.136084834	0.1	0.82	0.224295024	2.691422846	993.3745022
78.2	0.029257025	0.174676143	0.136096713	0.1	0.82	0.224314603	2.691657763	996.06616
78.4	0.029333112	0.175130414	0.136108596	0.1	0.82	0.224334188	2.691892745	998.7580527
78.6	0.029409206	0.175584724	0.136120481	0.1	0.82	0.224353777	2.69212779	1001.45018
78.8	0.029485307	0.176039074	0.13613237	0.1	0.82	0.224373373	2.6923629	1004.142543
79	0.029561414	0.176493464	0.136144262	0.1	0.82	0.224392973	2.692598074	1006.835141
79.2	0.029637527	0.176947893	0.136156158	0.1	0.82	0.224412579	2.692833312	1009.527975
79.4	0.029713648	0.177402363	0.136168056	0.1	0.82	0.22443219	2.693068614	1012.221043
79.6	0.029789775	0.177856872	0.136179958	0.1	0.82	0.224451807	2.693303981	1014.914347
79.8	0.029865909	0.178311421	0.136191863	0.1	0.82	0.224471429	2.693539412	1017.607887
80	0.029942049	0.17876601	0.136203771	0.1	0.82	0.224491056	2.693774907	1020.301662
80.2	0.030018196	0.179220639	0.136215683	0.1	0.82	0.224510689	2.694010467	1022.995672
80.4	0.03009435	0.179675308	0.136227598	0.1	0.82	0.224530327	2.694246092	1025.689918
80.6	0.030170511	0.180130016	0.136239516	0.1	0.82	0.22454997	2.694481781	1028.3844
80.8	0.030246678	0.180584765	0.136251437	0.1	0.82	0.224569619	2.694717534	1031.079118
81	0.030322852	0.181039553	0.136263362	0.1	0.82	0.224589273	2.694953352	1033.774071

81.2	0.030399032	0.181494381	0.13627529	0.1	0.82	0.224608933	2.695189234	1036.46926
81.4	0.030475219	0.18194925	0.136287221	0.1	0.82	0.224628598	2.695425181	1039.164685
81.6	0.030551413	0.182404158	0.136299155	0.1	0.82	0.224648268	2.695661193	1041.860347
81.8	0.030627614	0.182859106	0.136311093	0.1	0.82	0.224667944	2.695897269	1044.556244
82	0.030703821	0.183314094	0.136323034	0.1	0.82	0.224687625	2.69613341	1047.252377
82.2	0.030780035	0.183769122	0.136334978	0.1	0.82	0.224707311	2.696369615	1049.948747
82.4	0.030856256	0.18422419	0.136346926	0.1	0.82	0.224727003	2.696605886	1052.645353
82.6	0.030932483	0.184679298	0.136358877	0.1	0.82	0.2247467	2.696842221	1055.342195
82.8	0.031008717	0.185134446	0.136370831	0.1	0.82	0.224766403	2.697078621	1058.039274
83	0.031084958	0.185589634	0.136382788	0.1	0.82	0.224786111	2.697315085	1060.736589
83.2	0.031161206	0.186044862	0.136394749	0.1	0.82	0.224805825	2.697551615	1063.43414
83.4	0.03123746	0.18650013	0.136406713	0.1	0.82	0.224825544	2.697788209	1066.131928
83.6	0.031313721	0.186955439	0.13641868	0.1	0.82	0.224845268	2.698024869	1068.829953
83.8	0.031389988	0.187410787	0.13643065	0.1	0.82	0.224864998	2.698261593	1071.528215
84	0.031466263	0.187866175	0.136442624	0.1	0.82	0.224884733	2.698498382	1074.226713
84.2	0.031542544	0.188321603	0.136454601	0.1	0.82	0.224904473	2.698735237	1076.925449
84.4	0.031618832	0.188777072	0.136466581	0.1	0.82	0.224924219	2.698972156	1079.624421
84.6	0.031695126	0.189232581	0.136478565	0.1	0.82	0.224943971	2.69920914	1082.32363
84.8	0.031771427	0.189688129	0.136490552	0.1	0.82	0.224963728	2.69944619	1085.023076
85	0.031847735	0.190143718	0.136502542	0.1	0.82	0.22498349	2.699683305	1087.722759
85.2	0.03192405	0.190599347	0.136514536	0.1	0.82	0.225003258	2.699920484	1090.42268
85.4	0.032000371	0.191055016	0.136526532	0.1	0.82	0.225023031	2.700157729	1093.122838
85.6	0.032076699	0.191510725	0.136538532	0.1	0.82	0.225042809	2.700395039	1095.823233
85.8	0.032153034	0.191966475	0.136550536	0.1	0.82	0.225062593	2.700632415	1098.523865
86	0.032229376	0.192422264	0.136562543	0.1	0.82	0.225082383	2.700869856	1101.224735
86.2	0.032305724	0.192878094	0.136574553	0.1	0.82	0.225102178	2.701107362	1103.925842
86.4	0.032382079	0.193333964	0.136586566	0.1	0.82	0.225121978	2.701344933	1106.627187
86.6	0.032458441	0.193789875	0.136598583	0.1	0.82	0.225141784	2.70158257	1109.32877
86.8	0.032534809	0.194245825	0.136610602	0.1	0.82	0.225161595	2.701820272	1112.03059
87	0.032611184	0.194701816	0.136622626	0.1	0.82	0.225181412	2.702058039	1114.732648
87.2	0.032687566	0.195157847	0.136634652	0.1	0.82	0.225201234	2.702295872	1117.434944
87.4	0.032763955	0.195613918	0.136646682	0.1	0.82	0.225221061	2.702533771	1120.137478
87.6	0.032840351	0.196070029	0.136658715	0.1	0.82	0.225240894	2.702771735	1122.840249
87.8	0.032916753	0.196526181	0.136670752	0.1	0.82	0.225260733	2.703009764	1125.543259
88	0.032993162	0.196982373	0.136682791	0.1	0.82	0.225280577	2.703247859	1128.246507
88.2	0.033069578	0.197438606	0.136694835	0.1	0.82	0.225300426	2.70348602	1130.949993
88.4	0.033146	0.197894878	0.136706881	0.1	0.82	0.225320281	2.703724246	1133.653717
88.6	0.033222429	0.198351191	0.136718931	0.1	0.82	0.225340142	2.703962538	1136.35768
88.8	0.033298865	0.198807545	0.136730984	0.1	0.82	0.225360008	2.704200896	1139.061881
89	0.033375308	0.199263938	0.13674304	0.1	0.82	0.225379879	2.70443932	1141.76632
89.2	0.033451757	0.199720372	0.1367551	0.1	0.82	0.225399756	2.704677809	1144.470998
89.4	0.033528214	0.200176847	0.136767163	0.1	0.82	0.225419638	2.704916364	1147.175914
89.6	0.033604677	0.200633362	0.136779229	0.1	0.82	0.225439526	2.705154985	1149.881069
89.8	0.033681146	0.201089917	0.136791299	0.1	0.82	0.225459419	2.705393671	1152.586463
90	0.033757623	0.201546512	0.136803372	0.1	0.82	0.225479318	2.705632424	1155.292095
90.2	0.033834106	0.202003148	0.136815449	0.1	0.82	0.225499222	2.705871242	1157.997967
90.4	0.033910596	0.202459825	0.136827528	0.1	0.82	0.225519132	2.706110127	1160.704077
90.6	0.033987093	0.202916542	0.136839611	0.1	0.82	0.225539047	2.706349077	1163.410426
90.8	0.034063597	0.203373299	0.136851698	0.1	0.82	0.225558968	2.706588093	1166.117014
91	0.034140107	0.203830097	0.136863787	0.1	0.82	0.225578894	2.706827176	1168.823841
91.2	0.034216625	0.204286935	0.136875881	0.1	0.82	0.225598826	2.707066324	1171.530907
91.4	0.034293149	0.204743814	0.136887977	0.1	0.82	0.225618764	2.707305539	1174.238213
91.6	0.034369679	0.205200733	0.136900077	0.1	0.82	0.225638706	2.70754482	1176.945758

91.8	0.034446217	0.205657693	0.13691218	0.1	0.82	0.225658655	2.707784167	1179.653542
92	0.034522761	0.206114693	0.136924286	0.1	0.82	0.225678609	2.70802358	1182.361565
92.2	0.034599312	0.206571734	0.136936396	0.1	0.82	0.225698568	2.708263059	1185.069829
92.4	0.03467587	0.207028815	0.136948509	0.1	0.82	0.225718533	2.708502604	1187.778331
92.6	0.034752435	0.207485937	0.136960626	0.1	0.82	0.225738503	2.708742216	1190.487073
92.8	0.034829006	0.2079431	0.136972746	0.1	0.82	0.225758479	2.708981894	1193.196055
93	0.034905585	0.208400303	0.136984869	0.1	0.82	0.225778461	2.709221639	1195.905277
93.2	0.03498217	0.208857546	0.136996995	0.1	0.82	0.225798448	2.70946145	1198.614738
93.4	0.035058762	0.20931483	0.137009125	0.1	0.82	0.22581844	2.709701327	1201.32444
93.6	0.03513536	0.209772155	0.137021258	0.1	0.82	0.225838438	2.70994127	1204.034381
93.8	0.035211966	0.210229521	0.137033395	0.1	0.82	0.225858442	2.710181281	1206.744562
94	0.035288578	0.210686927	0.137045535	0.1	0.82	0.225878451	2.710421357	1209.454984
94.2	0.035365197	0.211144373	0.137057679	0.1	0.82	0.225898466	2.7106615	1212.165645
94.4	0.035441823	0.211601861	0.137069825	0.1	0.82	0.225918486	2.71090171	1214.876547
94.6	0.035518456	0.212059389	0.137081975	0.1	0.82	0.225938512	2.711141986	1217.587689
94.8	0.035595095	0.212516957	0.137094129	0.1	0.82	0.225958543	2.711382329	1220.299071
95	0.035671742	0.212974567	0.137106286	0.1	0.82	0.22597858	2.711622739	1223.010694
95.2	0.035748395	0.213432217	0.137118446	0.1	0.82	0.225998623	2.711863215	1225.722557
95.4	0.035825055	0.213889908	0.137130609	0.1	0.82	0.226018671	2.712103758	1228.434661
95.6	0.035901722	0.214347639	0.137142776	0.1	0.82	0.226038724	2.712344368	1231.147005
95.8	0.035978395	0.214805411	0.137154947	0.1	0.82	0.226058783	2.712585044	1233.85959
96	0.036055076	0.215263224	0.137167121	0.1	0.82	0.226078848	2.712825788	1236.572416
96.2	0.036131763	0.215721078	0.137179298	0.1	0.82	0.226098918	2.713066598	1239.285483
96.4	0.036208457	0.216178973	0.137191478	0.1	0.82	0.226118994	2.713307475	1241.99879
96.6	0.036285158	0.216636908	0.137203662	0.1	0.82	0.226139076	2.713548419	1244.712338
96.8	0.036361866	0.217094884	0.137215849	0.1	0.82	0.226159163	2.71378943	1247.426128
97	0.03643858	0.217552901	0.13722804	0.1	0.82	0.226179255	2.714030508	1250.140158
97.2	0.036515302	0.218010958	0.137240234	0.1	0.82	0.226199353	2.714271652	1252.85443
97.4	0.03659203	0.218469057	0.137252431	0.1	0.82	0.226219457	2.714512864	1255.568943
97.6	0.036668765	0.218927196	0.137264632	0.1	0.82	0.226239567	2.714754143	1258.283697
97.8	0.036745507	0.219385376	0.137276836	0.1	0.82	0.226259682	2.714995489	1260.998693
98	0.036822256	0.219843597	0.137289044	0.1	0.82	0.226279802	2.715236902	1263.713929
98.2	0.036899012	0.220301859	0.137301255	0.1	0.82	0.226299928	2.715478382	1266.429408
98.4	0.036975774	0.220760162	0.137313469	0.1	0.82	0.22632006	2.71571993	1269.145128
98.6	0.037052544	0.221218506	0.137325687	0.1	0.82	0.226340197	2.715961545	1271.861089
98.8	0.03712932	0.22167689	0.137337908	0.1	0.82	0.22636034	2.716203226	1274.577293
99	0.037206103	0.222135316	0.137350133	0.1	0.82	0.226380489	2.716444976	1277.293738
99.2	0.037282893	0.222593782	0.137362361	0.1	0.82	0.226400643	2.716686792	1280.010424
99.4	0.037359689	0.22305229	0.137374592	0.1	0.82	0.226420803	2.716928676	1282.727353
99.6	0.037436493	0.223510838	0.137386827	0.1	0.82	0.226440968	2.717170627	1285.444524
99.8	0.037513303	0.223969427	0.137399065	0.1	0.82	0.226461139	2.717412646	1288.161936
100	0.037590121	0.224428057	0.137411307	0.1	0.82	0.226481316	2.717654732	1290.879591
100.2	0.037666945	0.224886729	0.137423552	0.1	0.82	0.226501498	2.717896885	1293.597488
100.4	0.037743776	0.225345441	0.1374358	0.1	0.82	0.226521686	2.718139106	1296.315627
100.6	0.037820614	0.225804194	0.137448052	0.1	0.82	0.22654188	2.718381395	1299.034008
100.8	0.037897459	0.226262988	0.137460307	0.1	0.82	0.226562079	2.718623751	1301.752632
101	0.037974311	0.226721823	0.137472566	0.1	0.82	0.226582284	2.718866175	1304.471498
101.2	0.038051169	0.2271807	0.137484828	0.1	0.82	0.226602494	2.719108666	1307.190607
101.4	0.038128034	0.227639617	0.137497094	0.1	0.82	0.22662271	2.719351225	1309.909958
101.6	0.038204907	0.228098575	0.137509363	0.1	0.82	0.226642932	2.719593851	1312.629552
101.8	0.038281786	0.228557575	0.137521635	0.1	0.82	0.226663159	2.719836546	1315.349389
102	0.038358672	0.229016615	0.137533911	0.1	0.82	0.226683392	2.720079308	1318.069468
102.2	0.038435565	0.229475697	0.13754619	0.1	0.82	0.226703631	2.720322138	1320.78979

102.4	0.038512465	0.22993482	0.137558473	0.1	0.82	0.226723875	2.720565036	1323.510355
102.6	0.038589372	0.230393984	0.137570759	0.1	0.82	0.226744125	2.720808001	1326.231163
102.8	0.038666285	0.230853189	0.137583049	0.1	0.82	0.226764381	2.721051035	1328.952214
103	0.038743206	0.231312435	0.137595342	0.1	0.82	0.226784642	2.721294136	1331.673508
103.2	0.038820133	0.231771722	0.137607638	0.1	0.82	0.226804909	2.721537305	1334.395046
103.4	0.038897067	0.232231051	0.137619938	0.1	0.82	0.226825182	2.721780542	1337.116826
103.6	0.038974009	0.23269042	0.137632241	0.1	0.82	0.22684546	2.722023848	1339.83885
103.8	0.039050957	0.233149831	0.137644548	0.1	0.82	0.226865744	2.722267221	1342.561117
104	0.039127912	0.233609283	0.137656858	0.1	0.82	0.226886033	2.722510662	1345.283628
104.2	0.039204873	0.234068777	0.137669172	0.1	0.82	0.226906329	2.722754172	1348.006382
104.4	0.039281842	0.234528311	0.137681489	0.1	0.82	0.22692663	2.72299775	1350.72938
104.6	0.039358818	0.234987887	0.137693809	0.1	0.82	0.226946936	2.723241395	1353.452621
104.8	0.039435801	0.235447504	0.137706133	0.1	0.82	0.226967249	2.723485109	1356.176106
105	0.03951279	0.235907162	0.137718461	0.1	0.82	0.226987567	2.723728892	1358.899835
105.2	0.039589787	0.236366861	0.137730791	0.1	0.82	0.22700789	2.723972742	1361.623808
105.4	0.03966679	0.236826602	0.137743126	0.1	0.82	0.22702822	2.724216661	1364.348025
105.6	0.0397438	0.237286384	0.137755463	0.1	0.82	0.227048555	2.724460648	1367.072485
105.8	0.039820817	0.237746208	0.137767805	0.1	0.82	0.227068896	2.724704703	1369.79719
106	0.039897841	0.238206072	0.137780149	0.1	0.82	0.227089242	2.724948827	1372.522139
106.2	0.039974872	0.238665978	0.137792498	0.1	0.82	0.227109594	2.72519302	1375.247332
106.4	0.04005191	0.239125926	0.137804849	0.1	0.82	0.227129952	2.72543728	1377.972769
106.6	0.040128955	0.239585914	0.137817204	0.1	0.82	0.227150316	2.725681609	1380.698451
106.8	0.040206007	0.240045944	0.137829563	0.1	0.82	0.227170685	2.725926007	1383.424377
107	0.040283066	0.240506016	0.137841925	0.1	0.82	0.22719106	2.726170473	1386.150547
107.2	0.040360131	0.240966129	0.13785429	0.1	0.82	0.227211441	2.726415008	1388.876962
107.4	0.040437204	0.241426283	0.137866659	0.1	0.82	0.227231828	2.726659612	1391.603622
107.6	0.040514284	0.241886479	0.137879032	0.1	0.82	0.22725222	2.726904284	1394.330526
107.8	0.04059137	0.242346716	0.137891407	0.1	0.82	0.227272618	2.727149025	1397.057675
108	0.040668463	0.242806994	0.137903787	0.1	0.82	0.227293021	2.727393834	1399.785069
108.2	0.040745564	0.243267314	0.13791617	0.1	0.82	0.227313431	2.727638713	1402.512708
108.4	0.040822671	0.243727675	0.137928556	0.1	0.82	0.227333846	2.72788366	1405.240591
108.6	0.040899785	0.244188078	0.137940946	0.1	0.82	0.227354267	2.728128676	1407.96872
108.8	0.040976907	0.244648523	0.137953339	0.1	0.82	0.227374693	2.72837376	1410.697094
109	0.041054035	0.245109009	0.137965736	0.1	0.82	0.227395126	2.728618914	1413.425713
109.2	0.04113117	0.245569536	0.137978136	0.1	0.82	0.227415564	2.728864136	1416.154577
109.4	0.041208312	0.246030105	0.13799054	0.1	0.82	0.227436008	2.729109428	1418.883686
109.6	0.041285461	0.246490715	0.138002947	0.1	0.82	0.227456457	2.729354788	1421.613041
109.8	0.041362617	0.246951367	0.138015358	0.1	0.82	0.227476912	2.729600218	1424.342641
110	0.04143978	0.24741206	0.138027772	0.1	0.82	0.227497374	2.729845716	1427.072487
110.2	0.04151695	0.247872795	0.13804019	0.1	0.82	0.22751784	2.730091284	1429.802578
110.4	0.041594126	0.248333572	0.138052611	0.1	0.82	0.227538313	2.73033692	1432.532915
110.6	0.04167131	0.24879439	0.138065035	0.1	0.82	0.227558791	2.730582626	1435.263498
110.8	0.041748501	0.24925525	0.138077464	0.1	0.82	0.227579275	2.730828401	1437.994326
111	0.041825699	0.249716151	0.138089895	0.1	0.82	0.227599765	2.731074245	1440.7254
111.2	0.041902903	0.250177094	0.13810233	0.1	0.82	0.227620261	2.731320159	1443.456721
111.4	0.041980115	0.250638079	0.138114769	0.1	0.82	0.227640762	2.731566141	1446.188287
111.6	0.042057334	0.251099105	0.138127211	0.1	0.82	0.22766127	2.731812193	1448.920099
111.8	0.042134559	0.251560173	0.138139657	0.1	0.82	0.227681783	2.732058315	1451.652157
112	0.042211792	0.252021283	0.138152106	0.1	0.82	0.227702301	2.732304505	1454.384462
112.2	0.042289032	0.252482434	0.138164559	0.1	0.82	0.227722826	2.732550765	1457.117012
112.4	0.042366278	0.252943627	0.138177015	0.1	0.82	0.227743356	2.732797095	1459.84981
112.6	0.042443532	0.253404862	0.138189475	0.1	0.82	0.227763893	2.733043494	1462.582853
112.8	0.042520792	0.253866138	0.138201938	0.1	0.82	0.227784434	2.733289962	1465.316143

113	0.04259806	0.254327456	0.138214405	0.1	0.82	0.227804982	2.7335365	1468.049679
113.2	0.042675334	0.254788816	0.138226875	0.1	0.82	0.227825536	2.733783108	1470.783463
113.4	0.042752616	0.255250218	0.138239349	0.1	0.82	0.227846095	2.734029785	1473.517492
113.6	0.042829904	0.255711661	0.138251826	0.1	0.82	0.22786666	2.734276532	1476.251769
113.8	0.0429072	0.256173146	0.138264307	0.1	0.82	0.227887231	2.734523348	1478.986292
114	0.042984502	0.256634673	0.138276792	0.1	0.82	0.227907808	2.734770234	1481.721063
114.2	0.043061812	0.257096242	0.138289279	0.1	0.82	0.22792839	2.73501719	1484.45608
114.4	0.043139128	0.257557853	0.138301771	0.1	0.82	0.227948979	2.735264216	1487.191344
114.6	0.043216452	0.258019505	0.138314266	0.1	0.82	0.227969573	2.735511311	1489.926855
114.8	0.043293783	0.258481199	0.138326764	0.1	0.82	0.227990173	2.735758476	1492.662614
115	0.04337112	0.258942935	0.138339266	0.1	0.82	0.228010779	2.736005712	1495.398619
115.2	0.043448465	0.259404713	0.138351772	0.1	0.82	0.228031391	2.736253017	1498.134872
115.4	0.043525816	0.259866533	0.138364281	0.1	0.82	0.228052008	2.736500392	1500.871373
115.6	0.043603175	0.260328394	0.138376794	0.1	0.82	0.228072631	2.736747836	1503.608121
115.8	0.04368054	0.260790298	0.13838931	0.1	0.82	0.228093261	2.736995351	1506.345116
116	0.043757913	0.261252243	0.13840183	0.1	0.82	0.228113896	2.737242936	1509.082359
116.2	0.043835293	0.261714231	0.138414353	0.1	0.82	0.228134536	2.737490591	1511.81985
116.4	0.043912679	0.26217626	0.13842688	0.1	0.82	0.228155183	2.737738316	1514.557588
116.6	0.043990073	0.262638331	0.13843941	0.1	0.82	0.228175836	2.737986112	1517.295574
116.8	0.044067474	0.263100444	0.138451944	0.1	0.82	0.228196494	2.738233977	1520.033808
117	0.044144881	0.2635626	0.138464481	0.1	0.82	0.228217158	2.738481912	1522.77229
117.2	0.044222296	0.264024797	0.138477022	0.1	0.82	0.228237828	2.738729918	1525.51102
117.4	0.044299718	0.264487036	0.138489567	0.1	0.82	0.228258504	2.738977994	1528.249998
117.6	0.044377147	0.264949317	0.138502115	0.1	0.82	0.228279186	2.739226141	1530.989224
117.8	0.044454583	0.26541164	0.138514667	0.1	0.82	0.228299874	2.739474357	1533.728698
118	0.044532026	0.265874005	0.138527222	0.1	0.82	0.228320567	2.739722644	1536.468421
118.2	0.044609475	0.266336412	0.138539781	0.1	0.82	0.228341267	2.739971002	1539.208392
118.4	0.044686932	0.266798862	0.138552343	0.1	0.82	0.228361972	2.74021943	1541.948611
118.6	0.044764396	0.267261353	0.138564909	0.1	0.82	0.228382683	2.740467928	1544.689079
118.8	0.044841868	0.267723886	0.138577478	0.1	0.82	0.2284034	2.740716497	1547.429796
119	0.044919346	0.268186462	0.138590051	0.1	0.82	0.228424123	2.740965136	1550.170761
119.2	0.044996831	0.268649079	0.138602628	0.1	0.82	0.228444852	2.741213846	1552.911975
119.4	0.045074323	0.269111739	0.138615208	0.1	0.82	0.228465586	2.741462627	1555.653437
119.6	0.045151822	0.26957444	0.138627792	0.1	0.82	0.228486327	2.741711478	1558.395149
119.8	0.045229329	0.270037184	0.138640379	0.1	0.82	0.228507073	2.7419604	1561.137109
120	0.045306842	0.27049997	0.13865297	0.1	0.82	0.228527826	2.742209392	1563.879319
120.2	0.045384363	0.270962799	0.138665565	0.1	0.82	0.228548584	2.742458455	1566.621777
120.4	0.04546189	0.271425669	0.138678163	0.1	0.82	0.228569348	2.742707589	1569.364485
120.6	0.045539425	0.271888581	0.138690764	0.1	0.82	0.228590118	2.742956794	1572.107441
120.8	0.045616966	0.272351536	0.13870337	0.1	0.82	0.228610894	2.74320607	1574.850648
121	0.045694515	0.272814533	0.138715978	0.1	0.82	0.228631676	2.743455416	1577.594103
121.2	0.045772071	0.273277572	0.138728591	0.1	0.82	0.228652463	2.743704834	1580.337808
121.4	0.045849634	0.273740653	0.138741207	0.1	0.82	0.228673257	2.743954322	1583.081762
121.6	0.045927204	0.274203777	0.138753826	0.1	0.82	0.228694057	2.744203881	1585.825966
121.8	0.046004781	0.274666943	0.138766449	0.1	0.82	0.228714862	2.744453512	1588.57042
122	0.046082365	0.275130151	0.138779076	0.1	0.82	0.228735673	2.744703213	1591.315123
122.2	0.046159956	0.275593401	0.138791707	0.1	0.82	0.228756491	2.744952985	1594.060076
122.4	0.046237554	0.276056694	0.138804341	0.1	0.82	0.228777314	2.745202829	1596.805279
122.6	0.04631516	0.276520029	0.138816978	0.1	0.82	0.228798143	2.745452744	1599.550731
122.8	0.046392772	0.276983406	0.138829619	0.1	0.82	0.228818978	2.745702729	1602.296434
123	0.046470392	0.277446826	0.138842264	0.1	0.82	0.228839819	2.745952786	1605.042387
123.2	0.046548018	0.277910288	0.138854912	0.1	0.82	0.228860666	2.746202915	1607.78859
123.4	0.046625652	0.278373792	0.138867564	0.1	0.82	0.228881519	2.746453114	1610.535043

123.6	0.046703293	0.278837339	0.13888022	0.1	0.82	0.228902378	2.746703385	1613.281746
123.8	0.046780941	0.279300928	0.138892879	0.1	0.82	0.228923243	2.746953727	1616.0287
124	0.046858596	0.279764559	0.138905542	0.1	0.82	0.228944114	2.747204141	1618.775904
124.2	0.046936258	0.280228233	0.138918208	0.1	0.82	0.228964991	2.747454626	1621.523359
124.4	0.047013927	0.280691949	0.138930878	0.1	0.82	0.228985873	2.747705182	1624.271064
124.6	0.047091603	0.281155708	0.138943552	0.1	0.82	0.229006762	2.74795581	1627.01902
124.8	0.047169287	0.281619509	0.138956229	0.1	0.82	0.229027656	2.74820651	1629.767226
125	0.047246977	0.282083353	0.13896891	0.1	0.82	0.229048557	2.748457281	1632.515683
125.2	0.047324675	0.282547238	0.138981594	0.1	0.82	0.229069464	2.748708123	1635.264392
125.4	0.04740238	0.283011167	0.138994282	0.1	0.82	0.229090376	2.748959038	1638.013351
125.6	0.047480091	0.283475138	0.139006974	0.1	0.82	0.229111295	2.749210023	1640.762561
125.8	0.04755781	0.283939151	0.139019669	0.1	0.82	0.229132219	2.749461081	1643.512022
126	0.047635537	0.284403207	0.139032368	0.1	0.82	0.229153149	2.74971221	1646.261734
126.2	0.04771327	0.284867306	0.139045071	0.1	0.82	0.229174086	2.749963411	1649.011697
126.4	0.04779101	0.285331447	0.139057777	0.1	0.82	0.229195028	2.750214684	1651.761912
126.6	0.047868758	0.28579563	0.139070487	0.1	0.82	0.229215977	2.750466029	1654.512378
126.8	0.047946512	0.286259856	0.1390832	0.1	0.82	0.229236931	2.750717445	1657.263096
127	0.048024274	0.286724125	0.139095918	0.1	0.82	0.229257891	2.750968933	1660.014064
127.2	0.048102043	0.287188436	0.139108638	0.1	0.82	0.229278858	2.751220494	1662.765285
127.4	0.048179819	0.28765279	0.139121363	0.1	0.82	0.22929983	2.751472126	1665.516757
127.6	0.048257602	0.288117186	0.139134091	0.1	0.82	0.229320808	2.75172383	1668.268481
127.8	0.048335392	0.288581625	0.139146822	0.1	0.82	0.229341793	2.751975607	1671.020457
128	0.04841319	0.289046107	0.139159558	0.1	0.82	0.229362783	2.752227455	1673.772684
128.2	0.048490994	0.289510631	0.139172297	0.1	0.82	0.229383779	2.752479375	1676.525163
128.4	0.048568806	0.289975198	0.139185039	0.1	0.82	0.229404782	2.752731368	1679.277895
128.6	0.048646625	0.290439808	0.139197786	0.1	0.82	0.22942579	2.752983433	1682.030878
128.8	0.048724451	0.29090446	0.139210536	0.1	0.82	0.229446805	2.75323557	1684.784114
129	0.048802284	0.291369155	0.139223289	0.1	0.82	0.229467825	2.753487779	1687.537602
129.2	0.048880124	0.291833893	0.139236046	0.1	0.82	0.229488852	2.75374006	1690.291342
129.4	0.048957971	0.292298673	0.139248807	0.1	0.82	0.229509884	2.753992414	1693.045334
129.6	0.049035826	0.292763496	0.139261572	0.1	0.82	0.229530923	2.75424484	1695.799579
129.8	0.049113688	0.293228362	0.13927434	0.1	0.82	0.229551967	2.754497339	1698.554076
130	0.049191557	0.29369327	0.139287112	0.1	0.82	0.229573018	2.75474991	1701.308826
130.2	0.049269433	0.294158222	0.139299887	0.1	0.82	0.229594074	2.755002553	1704.063829
130.4	0.049347316	0.294623216	0.139312667	0.1	0.82	0.229615137	2.755255269	1706.819084
130.6	0.049425207	0.295088253	0.139325449	0.1	0.82	0.229636206	2.755508057	1709.574592
130.8	0.049503104	0.295553333	0.139338236	0.1	0.82	0.229657281	2.755760918	1712.330353
131	0.049581009	0.296018455	0.139351026	0.1	0.82	0.229678361	2.756013852	1715.086367
131.2	0.049658921	0.29648362	0.13936382	0.1	0.82	0.229699448	2.756266858	1717.842634
131.4	0.04973684	0.296948829	0.139376618	0.1	0.82	0.229720541	2.756519937	1720.599154
131.6	0.049814766	0.29741408	0.139389419	0.1	0.82	0.22974164	2.756773088	1723.355927
131.8	0.0498927	0.297879374	0.139402224	0.1	0.82	0.229762745	2.757026312	1726.112953
132	0.04997064	0.29834471	0.139415032	0.1	0.82	0.229783856	2.757279609	1728.870233
132.2	0.050048588	0.29881009	0.139427845	0.1	0.82	0.229804974	2.757532979	1731.627765
132.4	0.050126543	0.299275513	0.139440661	0.1	0.82	0.229826097	2.757786422	1734.385552
132.6	0.050204505	0.299740978	0.13945348	0.1	0.82	0.229847226	2.758039937	1737.143592
132.8	0.050282475	0.300206486	0.139466304	0.1	0.82	0.229868362	2.758293526	1739.901885
133	0.050360451	0.300672038	0.139479131	0.1	0.82	0.229889503	2.758547187	1742.660433
133.2	0.050438435	0.301137632	0.139491961	0.1	0.82	0.229910651	2.758800921	1745.419233
133.4	0.050516426	0.301603269	0.139504796	0.1	0.82	0.229931804	2.759054729	1748.178288
133.6	0.050594424	0.30206895	0.139517634	0.1	0.82	0.229952964	2.759308609	1750.937597
133.8	0.050672429	0.302534673	0.139530476	0.1	0.82	0.22997413	2.759562562	1753.697159
134	0.050750442	0.303000439	0.139543321	0.1	0.82	0.229995302	2.759816589	1756.456976

134.2	0.050828462	0.303466248	0.13955617	0.1	0.82	0.23001648	2.760070689	1759.217047
134.4	0.050906489	0.3039321	0.139569023	0.1	0.82	0.230037664	2.760324862	1761.977372
134.6	0.050984523	0.304397996	0.13958188	0.1	0.82	0.230058854	2.760579108	1764.737951
134.8	0.051062564	0.304863934	0.13959474	0.1	0.82	0.23008005	2.760833427	1767.498784
135	0.051140613	0.305329915	0.139607604	0.1	0.82	0.230101253	2.76108782	1770.259872
135.2	0.051218669	0.30579594	0.139620472	0.1	0.82	0.230122461	2.761342286	1773.021214
135.4	0.051296732	0.306262007	0.139633343	0.1	0.82	0.230143676	2.761596825	1775.782811
135.6	0.051374802	0.306728118	0.139646218	0.1	0.82	0.230164897	2.761851438	1778.544662
135.8	0.051452879	0.307194272	0.139659097	0.1	0.82	0.230186124	2.762106124	1781.306769
136	0.051530964	0.307660468	0.13967198	0.1	0.82	0.230207357	2.762360884	1784.069129
136.2	0.051609056	0.308126708	0.139684866	0.1	0.82	0.230228596	2.762615717	1786.831745
136.4	0.051687155	0.308592992	0.139697756	0.1	0.82	0.230249841	2.762870624	1789.594616
136.6	0.051765262	0.309059318	0.13971065	0.1	0.82	0.230271093	2.763125604	1792.357741
136.8	0.051843375	0.309525687	0.139723547	0.1	0.82	0.23029235	2.763380658	1795.121122
137	0.051921496	0.3099921	0.139736448	0.1	0.82	0.230313614	2.763635785	1797.884758
137.2	0.051999624	0.310458556	0.139749353	0.1	0.82	0.230334884	2.763890987	1800.648649
137.4	0.052077759	0.310925055	0.139762262	0.1	0.82	0.23035616	2.764146262	1803.412795
137.6	0.052155902	0.311391597	0.139775174	0.1	0.82	0.230377442	2.76440161	1806.177197
137.8	0.052234052	0.311858183	0.13978809	0.1	0.82	0.23039873	2.764657033	1808.941854
138	0.052312209	0.312324811	0.13980101	0.1	0.82	0.230420025	2.764912529	1811.706766
138.2	0.052390373	0.312791483	0.139813934	0.1	0.82	0.230441325	2.765168099	1814.471934
138.4	0.052468545	0.313258199	0.139826861	0.1	0.82	0.230462632	2.765423744	1817.237358
138.6	0.052546723	0.313724957	0.139839792	0.1	0.82	0.230483945	2.765679462	1820.003038
138.8	0.052624909	0.314191759	0.139852727	0.1	0.82	0.230505264	2.765935254	1822.768973
139	0.052703103	0.314658604	0.139865665	0.1	0.82	0.230526589	2.76619112	1825.535164
139.2	0.052781303	0.315125493	0.139878607	0.1	0.82	0.230547921	2.76644706	1828.301611
139.4	0.052859511	0.315592425	0.139891553	0.1	0.82	0.230569258	2.766703074	1831.068314
139.6	0.052937726	0.3160594	0.139904503	0.1	0.82	0.230590602	2.766959162	1833.835273
139.8	0.053015948	0.316526418	0.139917457	0.1	0.82	0.230611952	2.767215325	1836.602489
140	0.053094178	0.31699348	0.139930414	0.1	0.82	0.230633308	2.767471561	1839.36996
140.2	0.053172415	0.317460586	0.139943375	0.1	0.82	0.23065467	2.767727872	1842.137688
140.4	0.053250659	0.317927734	0.13995634	0.1	0.82	0.230676039	2.767984257	1844.905672
140.6	0.05332891	0.318394926	0.139969308	0.1	0.82	0.230697414	2.768240716	1847.673913
140.8	0.053407169	0.318862162	0.13998228	0.1	0.82	0.230718795	2.76849725	1850.44241
141	0.053485435	0.319329441	0.139995256	0.1	0.82	0.230740182	2.768753858	1853.211164
141.2	0.053563708	0.319796763	0.140008236	0.1	0.82	0.230761575	2.769010541	1855.980175
141.4	0.053641989	0.320264129	0.14002122	0.1	0.82	0.230782975	2.769267298	1858.749442
141.6	0.053720276	0.320731539	0.140034207	0.1	0.82	0.23080438	2.769524129	1861.518966
141.8	0.053798572	0.321198991	0.140047198	0.1	0.82	0.230825792	2.769781035	1864.288747
142	0.053876874	0.321666488	0.140060193	0.1	0.82	0.23084721	2.770038016	1867.058785
142.2	0.053955184	0.322134028	0.140073192	0.1	0.82	0.230868635	2.770295071	1869.82908
142.4	0.0540335	0.322601611	0.140086194	0.1	0.82	0.230890065	2.7705522	1872.599632
142.6	0.054111825	0.323069238	0.1400992	0.1	0.82	0.230911502	2.770809405	1875.370442
142.8	0.054190156	0.323536908	0.14011221	0.1	0.82	0.230932945	2.771066684	1878.141508
143	0.054268495	0.324004622	0.140125224	0.1	0.82	0.230954394	2.771324037	1880.912832
143.2	0.054346841	0.32447238	0.140138242	0.1	0.82	0.23097585	2.771581466	1883.684414
143.4	0.054425194	0.324940181	0.140151263	0.1	0.82	0.230997312	2.771838969	1886.456253
143.6	0.054503555	0.325408026	0.140164288	0.1	0.82	0.23101878	2.772096548	1889.228349
143.8	0.054581923	0.325875914	0.140177317	0.1	0.82	0.231040254	2.772354201	1892.000704
144	0.054660299	0.326343846	0.14019035	0.1	0.82	0.231061734	2.772611929	1894.773316
144.2	0.054738681	0.326811822	0.140203386	0.1	0.82	0.231083221	2.772869731	1897.546185
144.4	0.054817071	0.327279841	0.140216426	0.1	0.82	0.231104714	2.773127609	1900.319313
144.6	0.054895468	0.327747904	0.14022947	0.1	0.82	0.231126213	2.773385562	1903.092698

144.8	0.054973873	0.328216011	0.140242518	0.1	0.82	0.231147719	2.77364359	1905.866342
145	0.055052285	0.328684161	0.14025557	0.1	0.82	0.23116923	2.773901693	1908.640244
145.2	0.055130704	0.329152355	0.140268625	0.1	0.82	0.231190748	2.774159872	1911.414404
145.4	0.055209131	0.329620593	0.140281685	0.1	0.82	0.231212273	2.774418125	1914.188822
145.6	0.055287564	0.330088875	0.140294748	0.1	0.82	0.231233803	2.774676454	1916.963498
145.8	0.055366006	0.3305572	0.140307815	0.1	0.82	0.23125534	2.774934858	1919.738433
146	0.055444454	0.331025569	0.140320885	0.1	0.82	0.231276883	2.775193337	1922.513626
146.2	0.05552291	0.331493982	0.14033396	0.1	0.82	0.231298432	2.775451891	1925.289078
146.4	0.055601373	0.331962438	0.140347038	0.1	0.82	0.231319988	2.775710521	1928.064789
146.6	0.055679844	0.332430938	0.14036012	0.1	0.82	0.23134155	2.775969226	1930.840758
146.8	0.055758321	0.332899483	0.140373206	0.1	0.82	0.231363118	2.776228007	1933.616986
147	0.055836807	0.33336807	0.140386296	0.1	0.82	0.231384692	2.776486863	1936.393473
147.2	0.055915299	0.333836702	0.140399389	0.1	0.82	0.231406273	2.776745795	1939.170219
147.4	0.055993799	0.334305378	0.140412487	0.1	0.82	0.23142786	2.777004802	1941.947224
147.6	0.056072306	0.334774097	0.140425588	0.1	0.82	0.231449454	2.777263885	1944.724487
147.8	0.056150821	0.335242861	0.140438693	0.1	0.82	0.231471053	2.777523043	1947.50201
148	0.056229343	0.335711668	0.140451802	0.1	0.82	0.231492659	2.777782277	1950.279793
148.2	0.056307872	0.336180519	0.140464914	0.1	0.82	0.231514272	2.778041587	1953.057834
148.4	0.056386409	0.336649414	0.140478031	0.1	0.82	0.23153589	2.778300972	1955.836135
148.6	0.056464953	0.337118353	0.140491151	0.1	0.82	0.231557515	2.778560433	1958.614696
148.8	0.056543504	0.337587336	0.140504275	0.1	0.82	0.231579146	2.77881997	1961.393516
149	0.056622063	0.338056363	0.140517403	0.1	0.82	0.231600784	2.779079583	1964.172595
149.2	0.056700629	0.338525433	0.140530535	0.1	0.82	0.231622428	2.779339272	1966.951935
149.4	0.056779202	0.338994548	0.140543671	0.1	0.82	0.231644078	2.779599036	1969.731534
149.6	0.056857783	0.339463707	0.14055681	0.1	0.82	0.231665735	2.779858877	1972.511392
149.8	0.056936371	0.33993291	0.140569954	0.1	0.82	0.231687398	2.780118793	1975.291511
150	0.057014967	0.340402156	0.140583101	0.1	0.82	0.231709067	2.780378786	1978.07189
150.2	0.057093569	0.340871447	0.140596252	0.1	0.82	0.231730742	2.780638855	1980.852529
150.4	0.05717218	0.341340782	0.140609407	0.1	0.82	0.231752424	2.780898999	1983.633428
150.6	0.057250797	0.341810161	0.140622566	0.1	0.82	0.231774112	2.78115922	1986.414587
150.8	0.057329422	0.342279584	0.140635728	0.1	0.82	0.231795807	2.781419517	1989.196007
151	0.057408055	0.342749051	0.140648895	0.1	0.82	0.231817508	2.781679891	1991.977687
151.2	0.057486695	0.343218562	0.140662065	0.1	0.82	0.231839215	2.78194034	1994.759627
151.4	0.057565342	0.343688117	0.140675239	0.1	0.82	0.231860929	2.782200866	1997.541828
151.6	0.057643996	0.344157716	0.140688417	0.1	0.82	0.231882649	2.782461468	2000.324289
151.8	0.057722658	0.34462736	0.140701599	0.1	0.82	0.231904375	2.782722146	2003.107011
152	0.057801328	0.345097047	0.140714785	0.1	0.82	0.231926108	2.782982901	2005.889994
152.2	0.057880005	0.345566779	0.140727974	0.1	0.82	0.231947847	2.783243733	2008.673238
152.4	0.057958689	0.346036555	0.140741168	0.1	0.82	0.231969593	2.78350464	2011.456743
152.6	0.05803738	0.346506375	0.140754365	0.1	0.82	0.231991345	2.783765625	2014.240508
152.8	0.058116079	0.346976239	0.140767566	0.1	0.82	0.232013103	2.784026686	2017.024535
153	0.058194786	0.347446148	0.140780771	0.1	0.82	0.232034868	2.784287823	2019.808823
153.2	0.058273499	0.3479161	0.14079398	0.1	0.82	0.232056639	2.784549037	2022.593372
153.4	0.05835222	0.348386097	0.140807193	0.1	0.82	0.232078416	2.784810328	2025.378182
153.6	0.058430949	0.348856138	0.14082041	0.1	0.82	0.2321002	2.785071695	2028.163254
153.8	0.058509685	0.349326224	0.140833631	0.1	0.82	0.23212199	2.785333139	2030.948587
154	0.058588428	0.349796353	0.140846855	0.1	0.82	0.232143787	2.78559466	2033.734182
154.2	0.058667179	0.350266527	0.140860084	0.1	0.82	0.23216559	2.785856258	2036.520038
154.4	0.058745938	0.350736746	0.140873316	0.1	0.82	0.232187399	2.786117933	2039.306156
154.6	0.058824703	0.351207008	0.140886552	0.1	0.82	0.232209215	2.786379684	2042.092535
154.8	0.058903476	0.351677315	0.140899792	0.1	0.82	0.232231037	2.786641513	2044.879177
155	0.058982257	0.352147666	0.140913036	0.1	0.82	0.232252866	2.786903418	2047.66608
155.2	0.059061045	0.352618062	0.140926284	0.1	0.82	0.232274701	2.7871654	2050.453246

155.4	0.05913984	0.353088502	0.140939535	0.1	0.82	0.232296542	2.78742746	2053.240673
155.6	0.059218643	0.353558986	0.140952791	0.1	0.82	0.23231839	2.787689596	2056.028363
155.8	0.059297453	0.354029515	0.140966051	0.1	0.82	0.232340245	2.78795181	2058.816315
156	0.059376271	0.354500088	0.140979314	0.1	0.82	0.232362105	2.788214101	2061.604529
156.2	0.059455096	0.354970705	0.140992581	0.1	0.82	0.232383973	2.788476469	2064.393005
156.4	0.059533929	0.355441367	0.141005853	0.1	0.82	0.232405846	2.788738914	2067.181744
156.6	0.059612769	0.355912074	0.141019128	0.1	0.82	0.232427726	2.789001436	2069.970746
156.8	0.059691616	0.356382824	0.141032407	0.1	0.82	0.232449613	2.789264036	2072.76001
157	0.059770471	0.35685362	0.14104569	0.1	0.82	0.232471506	2.789526713	2075.549536
157.2	0.059849333	0.35732446	0.141058977	0.1	0.82	0.232493405	2.789789468	2078.339326
157.4	0.059928203	0.357795344	0.141072267	0.1	0.82	0.232515311	2.7900523	2081.129378
157.6	0.06000708	0.358266273	0.141085562	0.1	0.82	0.232537224	2.790315209	2083.919693
157.8	0.060085965	0.358737246	0.141098861	0.1	0.82	0.232559142	2.790578196	2086.710272
158	0.060164857	0.359208264	0.141112163	0.1	0.82	0.232581068	2.790841261	2089.501113
158.2	0.060243757	0.359679326	0.14112547	0.1	0.82	0.232602999	2.791104403	2092.292217
158.4	0.060322664	0.360150433	0.14113878	0.1	0.82	0.232624938	2.791367622	2095.083585
158.6	0.060401579	0.360621584	0.141152095	0.1	0.82	0.232646882	2.79163092	2097.875216
158.8	0.060480501	0.36109278	0.141165413	0.1	0.82	0.232668833	2.791894295	2100.66711
159	0.06055943	0.361564021	0.141178735	0.1	0.82	0.232690791	2.792157747	2103.459268
159.2	0.060638367	0.362035306	0.141192061	0.1	0.82	0.232712755	2.792421278	2106.251689
159.4	0.060717311	0.362506636	0.141205391	0.1	0.82	0.232734726	2.792684886	2109.044374
159.6	0.060796263	0.362978011	0.141218725	0.1	0.82	0.232756703	2.792948572	2111.837323
159.8	0.060875223	0.36344943	0.141232063	0.1	0.82	0.232778686	2.793212336	2114.630535
160	0.06095419	0.363920894	0.141245405	0.1	0.82	0.232800677	2.793476178	2117.424011
160.2	0.061033164	0.364392402	0.141258751	0.1	0.82	0.232822673	2.793740098	2120.217751
160.4	0.061112146	0.364863956	0.141272101	0.1	0.82	0.232844676	2.794004096	2123.011755
160.6	0.061191135	0.365335554	0.141285454	0.1	0.82	0.232866686	2.794268172	2125.806023
160.8	0.061270132	0.365807196	0.141298812	0.1	0.82	0.232888702	2.794532326	2128.600556
161	0.061349136	0.366278884	0.141312174	0.1	0.82	0.232910725	2.794796559	2131.395352
161.2	0.061428148	0.366750616	0.141325539	0.1	0.82	0.232932754	2.795060869	2134.190413
161.4	0.061507167	0.367222393	0.141338909	0.1	0.82	0.232954789	2.795325257	2136.985738
161.6	0.061586194	0.367694214	0.141352282	0.1	0.82	0.232976831	2.795589724	2139.781328
161.8	0.061665229	0.368166081	0.14136566	0.1	0.82	0.23299888	2.795854269	2142.577182
162	0.06174427	0.368637992	0.141379041	0.1	0.82	0.233020935	2.796118893	2145.373301
162.2	0.06182332	0.369109948	0.141392426	0.1	0.82	0.233042997	2.796383594	2148.169685
162.4	0.061902377	0.369581949	0.141405816	0.1	0.82	0.233065065	2.796648374	2150.966333
162.6	0.061981441	0.370053995	0.141419209	0.1	0.82	0.23308714	2.796913233	2153.763246
162.8	0.062060513	0.370526085	0.141432606	0.1	0.82	0.233109222	2.79717817	2156.560425
163	0.062139592	0.37099822	0.141446007	0.1	0.82	0.233131309	2.797443185	2159.357868
163.2	0.062218679	0.371470401	0.141459413	0.1	0.82	0.233153404	2.797708279	2162.155576
163.4	0.062297773	0.371942626	0.141472822	0.1	0.82	0.233175505	2.797973452	2164.95355
163.6	0.062376875	0.372414896	0.141486235	0.1	0.82	0.233197612	2.798238703	2167.751788
163.8	0.062455985	0.372887211	0.141499652	0.1	0.82	0.233219726	2.798504033	2170.550292
164	0.062535102	0.373359571	0.141513073	0.1	0.82	0.233241847	2.798769442	2173.349062
164.2	0.062614226	0.373831976	0.141526498	0.1	0.82	0.233263974	2.799034929	2176.148097
164.4	0.062693358	0.374304426	0.141539927	0.1	0.82	0.233286108	2.799300495	2178.947397
164.6	0.062772498	0.37477692	0.14155336	0.1	0.82	0.233308249	2.79956614	2181.746963
164.8	0.062851645	0.37524946	0.141566797	0.1	0.82	0.233330395	2.799831864	2184.546795
165	0.062930799	0.375722045	0.141580238	0.1	0.82	0.233352549	2.800097667	2187.346893
165.2	0.063009962	0.376194675	0.141593683	0.1	0.82	0.233374709	2.800363549	2190.147256
165.4	0.063089131	0.37666735	0.141607133	0.1	0.82	0.233396876	2.800629509	2192.947886
165.6	0.063168309	0.377140069	0.141620586	0.1	0.82	0.233419049	2.800895549	2195.748781
165.8	0.063247493	0.377612834	0.141634043	0.1	0.82	0.233441229	2.801161668	2198.549943

166	0.063326686	0.378085644	0.141647504	0.1	0.82	0.233463415	2.801427866	2201.351371
166.2	0.063405886	0.378558499	0.141660969	0.1	0.82	0.233485608	2.801694143	2204.153065
166.4	0.063485093	0.379031399	0.141674438	0.1	0.82	0.233507808	2.801960499	2206.955026
166.6	0.063564308	0.379504345	0.141687911	0.1	0.82	0.233530014	2.802226934	2209.757253
166.8	0.063643531	0.379977335	0.141701388	0.1	0.82	0.233552227	2.802493449	2212.559746
167	0.063722761	0.380450371	0.141714869	0.1	0.82	0.233574447	2.802760043	2215.362506
167.2	0.063801998	0.380923451	0.141728354	0.1	0.82	0.233596673	2.803026716	2218.165533
167.4	0.063881244	0.381396577	0.141741843	0.1	0.82	0.233618905	2.803293469	2220.968826
167.6	0.063960496	0.381869748	0.141755336	0.1	0.82	0.233641145	2.803560301	2223.772387
167.8	0.064039757	0.382342964	0.141768833	0.1	0.82	0.233663391	2.803827212	2226.576214
168	0.064119025	0.382816225	0.141782334	0.1	0.82	0.233685643	2.804094203	2229.380308
168.2	0.0641983	0.383289532	0.141795839	0.1	0.82	0.233707902	2.804361274	2232.184669
168.4	0.064277583	0.383762884	0.141809349	0.1	0.82	0.233730168	2.804628424	2234.989298
168.6	0.064356874	0.384236281	0.141822862	0.1	0.82	0.233752441	2.804895653	2237.794193
168.8	0.064436172	0.384709723	0.141836379	0.1	0.82	0.23377472	2.805162963	2240.599356
169	0.064515478	0.385183211	0.1418499	0.1	0.82	0.233797006	2.805430352	2243.404787
169.2	0.064594792	0.385656743	0.141863426	0.1	0.82	0.233819298	2.805697821	2246.210484
169.4	0.064674113	0.386130321	0.141876955	0.1	0.82	0.233841597	2.805965369	2249.01645
169.6	0.064753441	0.386603945	0.141890488	0.1	0.82	0.233863903	2.806232998	2251.822683
169.8	0.064832777	0.387077614	0.141904026	0.1	0.82	0.233886215	2.806500706	2254.629184
170	0.064912121	0.387551328	0.141917567	0.1	0.82	0.233908534	2.806768494	2257.435952
170.2	0.064991472	0.388025087	0.141931113	0.1	0.82	0.23393086	2.807036362	2260.242988
170.4	0.065070831	0.388498892	0.141944662	0.1	0.82	0.233953192	2.80730431	2263.050293
170.6	0.065150198	0.388972742	0.141958216	0.1	0.82	0.233975531	2.807572338	2265.857865
170.8	0.065229572	0.389446638	0.141971773	0.1	0.82	0.233997877	2.807840446	2268.665705
171	0.065308954	0.389920578	0.141985335	0.1	0.82	0.234020229	2.808108634	2271.473814
171.2	0.065388343	0.390394565	0.141998901	0.1	0.82	0.234042588	2.808376903	2274.282191
171.4	0.06546774	0.390868597	0.14201247	0.1	0.82	0.234064954	2.808645251	2277.090836
171.6	0.065547145	0.391342674	0.142026044	0.1	0.82	0.234087326	2.80891368	2279.89975
171.8	0.065626557	0.391816797	0.142039622	0.1	0.82	0.234109705	2.809182189	2282.708932
172	0.065705977	0.392290965	0.142053204	0.1	0.82	0.234132091	2.809450778	2285.518383
172.2	0.065785404	0.392765178	0.14206679	0.1	0.82	0.234154484	2.809719448	2288.328102
172.4	0.065864839	0.393239437	0.14208038	0.1	0.82	0.234176883	2.809988198	2291.138091
172.6	0.065944282	0.393713742	0.142093974	0.1	0.82	0.234199289	2.810257028	2293.948348
172.8	0.066023732	0.394188092	0.142107573	0.1	0.82	0.234221701	2.810525939	2296.758874
173	0.06610319	0.394662488	0.142121175	0.1	0.82	0.23424412	2.81079493	2299.569668
173.2	0.066182656	0.395136929	0.142134781	0.1	0.82	0.234266547	2.811064002	2302.380732
173.4	0.066262129	0.395611416	0.142148392	0.1	0.82	0.234288979	2.811333154	2305.192066
173.6	0.06634161	0.396085949	0.142162006	0.1	0.82	0.234311419	2.811602388	2308.003668
173.8	0.066421099	0.396560527	0.142175625	0.1	0.82	0.234333865	2.811871701	2310.81554
174	0.066500595	0.39703515	0.142189248	0.1	0.82	0.234356318	2.812141096	2313.627681
174.2	0.066580098	0.397509819	0.142202874	0.1	0.82	0.234378777	2.812410571	2316.440091
174.4	0.06665961	0.397984534	0.142216505	0.1	0.82	0.234401244	2.812680127	2319.252771
174.6	0.066739129	0.398459295	0.14223014	0.1	0.82	0.234423717	2.812949764	2322.065721
174.8	0.066818656	0.398934101	0.142243779	0.1	0.82	0.234446197	2.813219481	2324.878941
175	0.06689819	0.399408953	0.142257422	0.1	0.82	0.234468683	2.81348928	2327.69243
175.2	0.066977732	0.39988385	0.142271069	0.1	0.82	0.234491177	2.813759159	2330.506189
175.4	0.067057282	0.400358794	0.142284721	0.1	0.82	0.234513677	2.81402912	2333.320218
175.6	0.067136839	0.400833782	0.142298376	0.1	0.82	0.234536184	2.814299161	2336.134517
175.8	0.067216404	0.401308817	0.142312036	0.1	0.82	0.234558697	2.814569284	2338.949087
176	0.067295976	0.401783898	0.142325699	0.1	0.82	0.234581217	2.814839488	2341.763926
176.2	0.067375557	0.402259024	0.142339367	0.1	0.82	0.234603745	2.815109772	2344.579036
176.4	0.067455145	0.402734196	0.142353039	0.1	0.82	0.234626278	2.815380138	2347.394416

176.6	0.06753474	0.403209413	0.142366715	0.1	0.82	0.234648819	2.815650586	2350.210067
176.8	0.067614344	0.403684677	0.142380395	0.1	0.82	0.234671367	2.815921114	2353.025988
177	0.067693955	0.404159986	0.142394079	0.1	0.82	0.234693921	2.816191724	2355.84218
177.2	0.067773573	0.404635342	0.142407767	0.1	0.82	0.234716482	2.816462415	2358.658642
177.4	0.0678532	0.405110743	0.142421459	0.1	0.82	0.23473905	2.816733188	2361.475375
177.6	0.067932834	0.405586189	0.142435156	0.1	0.82	0.234761624	2.817004042	2364.292379
177.8	0.068012475	0.406061682	0.142448857	0.1	0.82	0.234784205	2.817274977	2367.109654
178	0.068092125	0.406537221	0.142462561	0.1	0.82	0.234806794	2.817545994	2369.9272
178.2	0.068171782	0.407012805	0.14247627	0.1	0.82	0.234829389	2.817817093	2372.745017
178.4	0.068251446	0.407488436	0.142489983	0.1	0.82	0.23485199	2.818088273	2375.563106
178.6	0.068331119	0.407964112	0.1425037	0.1	0.82	0.234874599	2.818359535	2378.381465
178.8	0.068410799	0.408439834	0.142517422	0.1	0.82	0.234897214	2.818630878	2381.200096
179	0.068490487	0.408915603	0.142531147	0.1	0.82	0.234919836	2.818902303	2384.018998
179.2	0.068570182	0.409391417	0.142544876	0.1	0.82	0.234942465	2.81917381	2386.838172
179.4	0.068649886	0.409867277	0.14255861	0.1	0.82	0.234965101	2.819445399	2389.657617
179.6	0.068729597	0.410343183	0.142572348	0.1	0.82	0.234987744	2.81971707	2392.477335
179.8	0.068809315	0.410819135	0.14258609	0.1	0.82	0.235010393	2.819988822	2395.297323
180	0.068889042	0.411295134	0.142599836	0.1	0.82	0.23503305	2.820260657	2398.117584
180.2	0.068968776	0.411771178	0.142613586	0.1	0.82	0.235055713	2.820532573	2400.938117
180.4	0.069048517	0.412247268	0.14262734	0.1	0.82	0.235078383	2.820804572	2403.758921
180.6	0.069128267	0.412723405	0.142641099	0.1	0.82	0.235101059	2.821076652	2406.579998
180.8	0.069208024	0.413199587	0.142654862	0.1	0.82	0.235123743	2.821348815	2409.401347
181	0.069287789	0.413675816	0.142668629	0.1	0.82	0.235146434	2.821621059	2412.222968
181.2	0.069367562	0.41415209	0.1426824	0.1	0.82	0.235169131	2.821893386	2415.044861
181.4	0.069447342	0.414628411	0.142696175	0.1	0.82	0.235191835	2.822165795	2417.867027
181.6	0.06952713	0.415104778	0.142709954	0.1	0.82	0.235214546	2.822438287	2420.689465
181.8	0.069606926	0.415581191	0.142723737	0.1	0.82	0.235237264	2.822710861	2423.512176
182	0.06968673	0.41605765	0.142737525	0.1	0.82	0.235259989	2.822983517	2426.33516
182.2	0.069766541	0.416534155	0.142751317	0.1	0.82	0.23528272	2.823256255	2429.158416
182.4	0.06984636	0.417010707	0.142765113	0.1	0.82	0.235305459	2.823529076	2431.981945
182.6	0.069926187	0.417487305	0.142778913	0.1	0.82	0.235328204	2.823801979	2434.805747
182.8	0.070006021	0.417963949	0.142792717	0.1	0.82	0.235350957	2.824074965	2437.629822
183	0.070085863	0.418440639	0.142806526	0.1	0.82	0.235373716	2.824348034	2440.45417
183.2	0.070165713	0.418917375	0.142820338	0.1	0.82	0.235396482	2.824621185	2443.278791
183.4	0.070245571	0.419394158	0.142834155	0.1	0.82	0.235419255	2.824894418	2446.103685
183.6	0.070325437	0.419870987	0.142847976	0.1	0.82	0.235442034	2.825167735	2448.928853
183.8	0.07040531	0.420347862	0.142861801	0.1	0.82	0.235464821	2.825441134	2451.754294
184	0.070485191	0.420824784	0.142875631	0.1	0.82	0.235487615	2.825714616	2454.580009
184.2	0.07056508	0.421301752	0.142889464	0.1	0.82	0.235510415	2.82598818	2457.405997
184.4	0.070644976	0.421778766	0.142903302	0.1	0.82	0.235533223	2.826261828	2460.232259
184.6	0.070724881	0.422255827	0.142917144	0.1	0.82	0.235556037	2.826535558	2463.058794
184.8	0.070804793	0.422732933	0.14293099	0.1	0.82	0.235578858	2.826809371	2465.885604
185	0.070884712	0.423210087	0.142944841	0.1	0.82	0.235601686	2.827083268	2468.712687
185.2	0.07096464	0.423687286	0.142958695	0.1	0.82	0.235624521	2.827357247	2471.540044
185.4	0.071044575	0.424164533	0.142972554	0.1	0.82	0.235647363	2.82763131	2474.367676
185.6	0.071124518	0.424641825	0.142986417	0.1	0.82	0.235670212	2.827905455	2477.195581
185.8	0.071204469	0.425119164	0.143000284	0.1	0.82	0.235693068	2.828179684	2480.023761
186	0.071284428	0.425596549	0.143014155	0.1	0.82	0.235715931	2.828453996	2482.852215
186.2	0.071364395	0.426073981	0.143028031	0.1	0.82	0.235738801	2.828728391	2485.680943
186.4	0.071444369	0.426551459	0.143041911	0.1	0.82	0.235761677	2.829002869	2488.509946
186.6	0.071524351	0.427028984	0.143055795	0.1	0.82	0.235784561	2.829277431	2491.339224
186.8	0.071604341	0.427506555	0.143069683	0.1	0.82	0.235807452	2.829552076	2494.168776
187	0.071684338	0.427984173	0.143083575	0.1	0.82	0.235830349	2.829826804	2496.998602

187.2	0.071764344	0.428461837	0.143097472	0.1	0.82	0.235853254	2.830101616	2499.828704
187.4	0.071844357	0.428939548	0.143111373	0.1	0.82	0.235876165	2.830376511	2502.659081
187.6	0.071924378	0.429417306	0.143125278	0.1	0.82	0.235899083	2.83065149	2505.489732
187.8	0.072004407	0.42989511	0.143139187	0.1	0.82	0.235922009	2.830926553	2508.320659
188	0.072084443	0.43037296	0.143153101	0.1	0.82	0.235944941	2.831201699	2511.15186
188.2	0.072164488	0.430850857	0.143167019	0.1	0.82	0.23596788	2.831476928	2513.983337
188.4	0.07224454	0.431328801	0.143180941	0.1	0.82	0.235990827	2.831752242	2516.815089
188.6	0.0723246	0.431806791	0.143194867	0.1	0.82	0.23601378	2.832027639	2519.647117
188.8	0.072404668	0.432284828	0.143208798	0.1	0.82	0.23603674	2.83230312	2522.47942
189	0.072484743	0.432762912	0.143222732	0.1	0.82	0.236059707	2.832578685	2525.311999
189.2	0.072564827	0.433241043	0.143236671	0.1	0.82	0.236082682	2.832854334	2528.144853
189.4	0.072644918	0.43371922	0.143250614	0.1	0.82	0.236105663	2.833130066	2530.977983
189.6	0.072725017	0.434197443	0.143264562	0.1	0.82	0.236128651	2.833405883	2533.811389
189.8	0.072805124	0.434675714	0.143278514	0.1	0.82	0.236151646	2.833681783	2536.645071
190	0.072885239	0.435154031	0.14329247	0.1	0.82	0.236174648	2.833957768	2539.479029
190.2	0.072965362	0.435632395	0.14330643	0.1	0.82	0.236197658	2.834233836	2542.313263
190.4	0.073045492	0.436110805	0.143320394	0.1	0.82	0.236220674	2.834509989	2545.147773
190.6	0.07312563	0.436589263	0.143334363	0.1	0.82	0.236243697	2.834786226	2547.982559
190.8	0.073205776	0.437067767	0.143348336	0.1	0.82	0.236266727	2.835062547	2550.817621
191	0.07328593	0.437546318	0.143362313	0.1	0.82	0.236289765	2.835338953	2553.65296
191.2	0.073366092	0.438024916	0.143376295	0.1	0.82	0.236312809	2.835615443	2556.488576
191.4	0.073446262	0.438503561	0.143390281	0.1	0.82	0.23633586	2.835892017	2559.324468
191.6	0.073526439	0.438982252	0.143404271	0.1	0.82	0.236358919	2.836168675	2562.160636
191.8	0.073606624	0.43946099	0.143418265	0.1	0.82	0.236381984	2.836445418	2564.997082
192	0.073686818	0.439939776	0.143432263	0.1	0.82	0.236405057	2.836722246	2567.833804
192.2	0.073767019	0.440418608	0.143446266	0.1	0.82	0.236428136	2.836999158	2570.670803
192.4	0.073847227	0.440897487	0.143460273	0.1	0.82	0.236451223	2.837276154	2573.508079
192.6	0.073927444	0.441376413	0.143474285	0.1	0.82	0.236474316	2.837553235	2576.345633
192.8	0.074007669	0.441855385	0.143488301	0.1	0.82	0.236497417	2.837830401	2579.183463
193	0.074087901	0.442334405	0.143502321	0.1	0.82	0.236520525	2.838107651	2582.021571
193.2	0.074168141	0.442813472	0.143516345	0.1	0.82	0.23654364	2.838384986	2584.859956
193.4	0.07424839	0.443292586	0.143530373	0.1	0.82	0.236566761	2.838662406	2587.698618
193.6	0.074328646	0.443771746	0.143544406	0.1	0.82	0.23658989	2.838939911	2590.537558
193.8	0.07440891	0.444250954	0.143558443	0.1	0.82	0.236613026	2.839217501	2593.376775
194	0.074489181	0.444730209	0.143572485	0.1	0.82	0.236636169	2.839495175	2596.216271
194.2	0.074569461	0.44520951	0.143586531	0.1	0.82	0.23665932	2.839772935	2599.056044
194.4	0.074649749	0.445688859	0.143600581	0.1	0.82	0.236682477	2.840050779	2601.896094
194.6	0.074730044	0.446168255	0.143614635	0.1	0.82	0.236705641	2.840328709	2604.736423
194.8	0.074810347	0.446647698	0.143628694	0.1	0.82	0.236728813	2.840606723	2607.57703
195	0.074890659	0.447127188	0.143642756	0.1	0.82	0.236751991	2.840884823	2610.417915
195.2	0.074970978	0.447606725	0.143656824	0.1	0.82	0.236775177	2.841163008	2613.259078
195.4	0.075051305	0.448086309	0.143670895	0.1	0.82	0.23679837	2.841441278	2616.100519
195.6	0.075131639	0.44856594	0.143684971	0.1	0.82	0.236821569	2.841719634	2618.942239
195.8	0.075211982	0.449045619	0.143699051	0.1	0.82	0.236844776	2.841998074	2621.784237
196	0.075292333	0.449525344	0.143713136	0.1	0.82	0.23686799	2.8422766	2624.626513
196.2	0.075372691	0.450005117	0.143727225	0.1	0.82	0.236891212	2.842555212	2627.469068
196.4	0.075453058	0.450484937	0.143741318	0.1	0.82	0.23691444	2.842833909	2630.311902
196.6	0.075533432	0.450964804	0.143755415	0.1	0.82	0.236937675	2.843112691	2633.155015
196.8	0.075613815	0.451444719	0.143769517	0.1	0.82	0.236960918	2.843391559	2635.998407
197	0.075694205	0.45192468	0.143783623	0.1	0.82	0.236984168	2.843670513	2638.842077
197.2	0.075774603	0.452404689	0.143797734	0.1	0.82	0.237007424	2.843949552	2641.686027
197.4	0.075855009	0.452884745	0.143811848	0.1	0.82	0.237030688	2.844228676	2644.530255
197.6	0.075935423	0.453364849	0.143825967	0.1	0.82	0.237053959	2.844507887	2647.374763

197.8	0.076015845	0.453844999	0.143840091	0.1	0.82	0.237077238	2.844787183	2650.21955
198	0.076096275	0.454325197	0.143854219	0.1	0.82	0.237100523	2.845066565	2653.064617
198.2	0.076176712	0.454805443	0.143868351	0.1	0.82	0.237123816	2.845346033	2655.909963
198.4	0.076257158	0.455285735	0.143882487	0.1	0.82	0.237147115	2.845625586	2658.755589
198.6	0.076337611	0.455766075	0.143896628	0.1	0.82	0.237170422	2.845905226	2661.601494
198.8	0.076418073	0.456246463	0.143910773	0.1	0.82	0.237193736	2.846184952	2664.447679
199	0.076498542	0.456726897	0.143924923	0.1	0.82	0.237217058	2.846464763	2667.294144
199.2	0.07657902	0.45720738	0.143939077	0.1	0.82	0.237240386	2.846744661	2670.140888
199.4	0.076659505	0.457687909	0.143953235	0.1	0.82	0.237263721	2.847024645	2672.987913
199.6	0.076739998	0.458168486	0.143967397	0.1	0.82	0.237287064	2.847304714	2675.835218
199.8	0.0768205	0.45864911	0.143981564	0.1	0.82	0.237310414	2.84758487	2678.682802
200	0.076901009	0.459129782	0.143995736	0.1	0.82	0.237333771	2.847865113	2681.530668
200.2	0.076981526	0.459610502	0.144009911	0.1	0.82	0.237357136	2.848145441	2684.378813
200.4	0.077062051	0.460091268	0.144024091	0.1	0.82	0.237380507	2.848425856	2687.227239
200.6	0.077142584	0.460572083	0.144038276	0.1	0.82	0.237403886	2.848706358	2690.075945
200.8	0.077223125	0.461052944	0.144052464	0.1	0.82	0.237427272	2.848986945	2692.924932
201	0.077303674	0.461533854	0.144066657	0.1	0.82	0.237450665	2.849267619	2695.7742
201.2	0.077384231	0.46201481	0.144080855	0.1	0.82	0.237474065	2.84954838	2698.623748
201.4	0.077464795	0.462495815	0.144095057	0.1	0.82	0.237497473	2.849829227	2701.473577
201.6	0.077545368	0.462976867	0.144109263	0.1	0.82	0.237520887	2.850110161	2704.323687
201.8	0.077625949	0.463457966	0.144123474	0.1	0.82	0.237544309	2.850391181	2707.174079
202	0.077706538	0.463939113	0.144137689	0.1	0.82	0.237567739	2.850672288	2710.024751
202.2	0.077787135	0.464420308	0.144151908	0.1	0.82	0.237591175	2.850953482	2712.875704
202.4	0.077867739	0.46490155	0.144166132	0.1	0.82	0.237614619	2.851234763	2715.726939
202.6	0.077948352	0.46538284	0.14418036	0.1	0.82	0.23763807	2.85151613	2718.578455
202.8	0.078028973	0.465864178	0.144194593	0.1	0.82	0.237661528	2.851797585	2721.430253
203	0.078109601	0.466345563	0.14420883	0.1	0.82	0.237684993	2.852079126	2724.282332
203.2	0.078190238	0.466826996	0.144223071	0.1	0.82	0.237708466	2.852360754	2727.134693
203.4	0.078270883	0.467308477	0.144237317	0.1	0.82	0.237731946	2.852642469	2729.987335
203.6	0.078351535	0.467790006	0.144251567	0.1	0.82	0.237755433	2.852924271	2732.84026
203.8	0.078432196	0.468271582	0.144265822	0.1	0.82	0.237778927	2.85320616	2735.693466
204	0.078512864	0.468753206	0.144280081	0.1	0.82	0.237802429	2.853488137	2738.546954
204.2	0.078593541	0.469234877	0.144294344	0.1	0.82	0.237825938	2.8537702	2741.400724
204.4	0.078674226	0.469716597	0.144308612	0.1	0.82	0.237849454	2.854052351	2744.254776
204.6	0.078754918	0.470198364	0.144322884	0.1	0.82	0.237872978	2.854334589	2747.109111
204.8	0.078835619	0.470680179	0.144337161	0.1	0.82	0.237896508	2.854616915	2749.963728
205	0.078916327	0.471162042	0.144351442	0.1	0.82	0.237920046	2.854899327	2752.818627
205.2	0.078997044	0.471643952	0.144365727	0.1	0.82	0.237943592	2.855181828	2755.673809
205.4	0.079077769	0.472125911	0.144380017	0.1	0.82	0.237967144	2.855464415	2758.529273
205.6	0.079158501	0.472607917	0.144394311	0.1	0.82	0.237990704	2.85574709	2761.385021
205.8	0.079239242	0.473089971	0.14440861	0.1	0.82	0.238014271	2.856029853	2764.24105
206	0.079319991	0.473572074	0.144422913	0.1	0.82	0.238037846	2.856312703	2767.097363
206.2	0.079400748	0.474054224	0.144437221	0.1	0.82	0.238061428	2.856595641	2769.953959
206.4	0.079481512	0.474536422	0.144451533	0.1	0.82	0.238085017	2.856878666	2772.810837
206.6	0.079562285	0.475018667	0.14446585	0.1	0.82	0.238108613	2.85716178	2775.667999
206.8	0.079643066	0.475500961	0.14448017	0.1	0.82	0.238132217	2.857444981	2778.525444
207	0.079723855	0.475983303	0.144494496	0.1	0.82	0.238155828	2.85772827	2781.383172
207.2	0.079804652	0.476465693	0.144508826	0.1	0.82	0.238179446	2.858011646	2784.241184
207.4	0.079885457	0.476948131	0.14452316	0.1	0.82	0.238203072	2.858295111	2787.099479
207.6	0.07996627	0.477430617	0.144537499	0.1	0.82	0.238226705	2.858578663	2789.958058
207.8	0.080047091	0.47791315	0.144551842	0.1	0.82	0.238250346	2.858862304	2792.81692
208	0.08012792	0.478395732	0.144566189	0.1	0.82	0.238273993	2.859146032	2795.676066
208.2	0.080208757	0.478878362	0.144580541	0.1	0.82	0.238297648	2.859429849	2798.535496

208.4	0.080289602	0.47936104	0.144594898	0.1	0.82	0.238321311	2.859713754	2801.39521
208.6	0.080370455	0.479843766	0.144609259	0.1	0.82	0.23834498	2.859997747	2804.255208
208.8	0.080451317	0.48032654	0.144623624	0.1	0.82	0.238368658	2.860281828	2807.115489
209	0.080532186	0.480809363	0.144637994	0.1	0.82	0.238392342	2.860565998	2809.976055
209.2	0.080613063	0.481292233	0.144652369	0.1	0.82	0.238416034	2.860850255	2812.836906
209.4	0.080693949	0.481775152	0.144666747	0.1	0.82	0.238439733	2.861134602	2815.69804
209.6	0.080774842	0.482258119	0.144681131	0.1	0.82	0.23846344	2.861419036	2818.559459
209.8	0.080855744	0.482741133	0.144695518	0.1	0.82	0.238487154	2.861703559	2821.421163
210	0.080936654	0.483224197	0.144709911	0.1	0.82	0.238510875	2.861988171	2824.283151
210.2	0.081017571	0.483707308	0.144724307	0.1	0.82	0.238534604	2.862272871	2827.145424
210.4	0.081098497	0.484190467	0.144738709	0.1	0.82	0.23855834	2.86255766	2830.007982
210.6	0.081179431	0.484673675	0.144753114	0.1	0.82	0.238582083	2.862842537	2832.870824
210.8	0.081260373	0.485156931	0.144767525	0.1	0.82	0.238605834	2.863127503	2835.733952
211	0.081341323	0.485640236	0.144781939	0.1	0.82	0.238629592	2.863412558	2838.597364
211.2	0.081422281	0.486123588	0.144796358	0.1	0.82	0.238653358	2.863697701	2841.461062
211.4	0.081503248	0.486606989	0.144810782	0.1	0.82	0.238677131	2.863982934	2844.325045
211.6	0.081584222	0.487090438	0.14482521	0.1	0.82	0.238700911	2.864268255	2847.189313
211.8	0.081665204	0.487573936	0.144839643	0.1	0.82	0.238724699	2.864553665	2850.053867
212	0.081746195	0.488057482	0.14485408	0.1	0.82	0.238748495	2.864839164	2852.918706
212.2	0.081827193	0.488541076	0.144868522	0.1	0.82	0.238772297	2.865124753	2855.783831
212.4	0.0819082	0.489024718	0.144882968	0.1	0.82	0.238796108	2.86541043	2858.649241
212.6	0.081989215	0.489508409	0.144897418	0.1	0.82	0.238819925	2.865696196	2861.514937
212.8	0.082070238	0.489992149	0.144911874	0.1	0.82	0.23884375	2.865982052	2864.380919
213	0.082151269	0.490475936	0.144926333	0.1	0.82	0.238867583	2.866267996	2867.247187
213.2	0.082232308	0.490959773	0.144940798	0.1	0.82	0.238891422	2.86655403	2870.113741
213.4	0.082313355	0.491443657	0.144955266	0.1	0.82	0.23891527	2.866840154	2872.980581
213.6	0.082394411	0.491927591	0.144969739	0.1	0.82	0.238939125	2.867126366	2875.847708
213.8	0.082475474	0.492411572	0.144984217	0.1	0.82	0.238962987	2.867412668	2878.715121
214	0.082556546	0.492895602	0.144998699	0.1	0.82	0.238986856	2.86769906	2881.58282
214.2	0.082637626	0.493379681	0.145013186	0.1	0.82	0.239010734	2.86798554	2884.450805
214.4	0.082718714	0.493863808	0.145027678	0.1	0.82	0.239034618	2.868272111	2887.319077
214.6	0.08279981	0.494347984	0.145042173	0.1	0.82	0.23905851	2.868558771	2890.187636
214.8	0.082880914	0.494832208	0.145056674	0.1	0.82	0.23908241	2.86884552	2893.056482
215	0.082962026	0.495316481	0.145071179	0.1	0.82	0.239106317	2.86913236	2895.925614
215.2	0.083043147	0.495800802	0.145085688	0.1	0.82	0.239130231	2.869419289	2898.795033
215.4	0.083124275	0.496285172	0.145100202	0.1	0.82	0.239154153	2.869706308	2901.664739
215.6	0.083205412	0.496769591	0.145114721	0.1	0.82	0.239178083	2.869993416	2904.534733
215.8	0.083286557	0.497254058	0.145129244	0.1	0.82	0.23920202	2.870280615	2907.405013
216	0.08336771	0.497738574	0.145143771	0.1	0.82	0.239225964	2.870567903	2910.275581
216.2	0.083448871	0.498223138	0.145158304	0.1	0.82	0.239249916	2.870855281	2913.146437
216.4	0.08353004	0.498707752	0.14517284	0.1	0.82	0.239273876	2.87114275	2916.017579
216.6	0.083611218	0.499192413	0.145187382	0.1	0.82	0.239297842	2.871430308	2918.88901
216.8	0.083692403	0.499677124	0.145201928	0.1	0.82	0.239321817	2.871717956	2921.760728
217	0.083773597	0.500161883	0.145216478	0.1	0.82	0.239345799	2.872005695	2924.632733
217.2	0.083854799	0.500646691	0.145231033	0.1	0.82	0.239369788	2.872293524	2927.505027
217.4	0.083936009	0.501131548	0.145245592	0.1	0.82	0.239393785	2.872581443	2930.377608
217.6	0.084017227	0.501616454	0.145260157	0.1	0.82	0.23941779	2.872869452	2933.250478
217.8	0.084098454	0.502101408	0.145274725	0.1	0.82	0.239441802	2.873157552	2936.123635
218	0.084179688	0.502586411	0.145289298	0.1	0.82	0.239465822	2.873445742	2938.997081
218.2	0.084260931	0.503071463	0.145303876	0.1	0.82	0.239489849	2.873734023	2941.870815
218.4	0.084342182	0.503556564	0.145318459	0.1	0.82	0.239513883	2.874022393	2944.744838
218.6	0.084423441	0.504041714	0.145333046	0.1	0.82	0.239537926	2.874310855	2947.619148
218.8	0.084504709	0.504526912	0.145347637	0.1	0.82	0.239561975	2.874599407	2950.493748

219	0.084585984	0.50501216	0.145362233	0.1	0.82	0.239586033	2.87488805	2953.368636
219.2	0.084667268	0.505497456	0.145376834	0.1	0.82	0.239610098	2.875176783	2956.243813
219.4	0.08474856	0.505982801	0.145391439	0.1	0.82	0.23963417	2.875465607	2959.119278
219.6	0.08482986	0.506468195	0.145406049	0.1	0.82	0.23965825	2.875754522	2961.995033
219.8	0.084911168	0.506953638	0.145420664	0.1	0.82	0.239682338	2.876043528	2964.871076
220	0.084992485	0.50743913	0.145435283	0.1	0.82	0.239706433	2.876332624	2967.747409
220.2	0.085073809	0.507924671	0.145449906	0.1	0.82	0.239730536	2.876621811	2970.624031
220.4	0.085155142	0.508410261	0.145464535	0.1	0.82	0.239754646	2.87691109	2973.500942
220.6	0.085236483	0.5088959	0.145479168	0.1	0.82	0.239778764	2.877200459	2976.378142
220.8	0.085317833	0.509381588	0.145493805	0.1	0.82	0.239802889	2.87748992	2979.255632
221	0.08539919	0.509867325	0.145508447	0.1	0.82	0.239827022	2.877779471	2982.133412
221.2	0.085480556	0.510353111	0.145523094	0.1	0.82	0.239851163	2.878069114	2985.011481
221.4	0.08556193	0.510838947	0.145537745	0.1	0.82	0.239875311	2.878358848	2987.88984
221.6	0.085643312	0.511324831	0.145552401	0.1	0.82	0.239899467	2.878648673	2990.768488
221.8	0.085724703	0.511810764	0.145567062	0.1	0.82	0.239923631	2.878938589	2993.647427
222	0.085806101	0.512296746	0.145581727	0.1	0.82	0.239947802	2.879228597	2996.526655
222.2	0.085887508	0.512782778	0.145596397	0.1	0.82	0.239971981	2.879518696	2999.406174
222.4	0.085968923	0.513268859	0.145611071	0.1	0.82	0.239996167	2.879808887	3002.285983
222.6	0.086050346	0.513754988	0.14562575	0.1	0.82	0.240020361	2.880099169	3005.166082
222.8	0.086131778	0.514241167	0.145640434	0.1	0.82	0.240044563	2.880389542	3008.046472
223	0.086213218	0.514727396	0.145655122	0.1	0.82	0.240068772	2.880680008	3010.927152
223.2	0.086294666	0.515213673	0.145669815	0.1	0.82	0.240092989	2.880970564	3013.808122
223.4	0.086376122	0.515699999	0.145684512	0.1	0.82	0.240117213	2.881261213	3016.689384
223.6	0.086457587	0.516186375	0.145699215	0.1	0.82	0.240141446	2.881551953	3019.570935
223.8	0.086539059	0.5166728	0.145713921	0.1	0.82	0.240165685	2.881842785	3022.452778
224	0.08662054	0.517159275	0.145728633	0.1	0.82	0.240189933	2.882133709	3025.334912
224.2	0.08670203	0.517645798	0.145743349	0.1	0.82	0.240214188	2.882424725	3028.217337
224.4	0.086783527	0.518132371	0.14575807	0.1	0.82	0.240238451	2.882715832	3031.100053
224.6	0.086865033	0.518618993	0.145772795	0.1	0.82	0.240262721	2.883007032	3033.98306
224.8	0.086946547	0.519105665	0.145787525	0.1	0.82	0.240286999	2.883298324	3036.866358
225	0.087028069	0.519592386	0.14580226	0.1	0.82	0.240311285	2.883589707	3039.749948
225.2	0.0871096	0.520079156	0.145817	0.1	0.82	0.240335579	2.883881183	3042.633829
225.4	0.087191139	0.520565976	0.145831744	0.1	0.82	0.24035988	2.884172751	3045.518002
225.6	0.087272686	0.521052845	0.145846492	0.1	0.82	0.240384189	2.884464411	3048.402466
225.8	0.087354241	0.521539763	0.145861246	0.1	0.82	0.240408505	2.884756164	3051.287222
226	0.087435805	0.522026731	0.145876004	0.1	0.82	0.24043283	2.885048009	3054.17227
226.2	0.087517377	0.522513748	0.145890767	0.1	0.82	0.240457161	2.885339946	3057.05761
226.4	0.087598957	0.523000815	0.145905534	0.1	0.82	0.240481501	2.885631975	3059.943242
226.6	0.087680546	0.523487931	0.145920306	0.1	0.82	0.240505848	2.885924097	3062.829166
226.8	0.087762143	0.523975097	0.145935083	0.1	0.82	0.240530204	2.886216312	3065.715382
227	0.087843748	0.524462312	0.145949864	0.1	0.82	0.240554566	2.886508619	3068.601891
227.2	0.087925361	0.524949576	0.14596465	0.1	0.82	0.240578937	2.886801019	3071.488692
227.4	0.088006983	0.525436891	0.145979441	0.1	0.82	0.240603315	2.887093511	3074.375786
227.6	0.088088613	0.525924254	0.145994237	0.1	0.82	0.240627701	2.887386096	3077.263172
227.8	0.088170251	0.526411668	0.146009037	0.1	0.82	0.240652095	2.887678774	3080.15085
228	0.088251898	0.526899131	0.146023842	0.1	0.82	0.240676496	2.887971545	3083.038822
228.2	0.088333553	0.527386643	0.146038651	0.1	0.82	0.240700905	2.888264408	3085.927086
228.4	0.088415216	0.527874205	0.146053466	0.1	0.82	0.240725322	2.888557365	3088.815644
228.6	0.088496887	0.528361817	0.146068285	0.1	0.82	0.240749747	2.888850414	3091.704494
228.8	0.088578567	0.528849478	0.146083108	0.1	0.82	0.240774179	2.889143557	3094.593638
229	0.088660255	0.529337189	0.146097937	0.1	0.82	0.240798619	2.889436792	3097.483075
229.2	0.088741952	0.52982495	0.14611277	0.1	0.82	0.240823067	2.889730121	3100.372805
229.4	0.088823657	0.53031276	0.146127608	0.1	0.82	0.240847523	2.890023542	3103.262828

229.6	0.08890537	0.53080062	0.14614245	0.1	0.82	0.240871986	2.890317057	3106.153145
229.8	0.088987091	0.53128853	0.146157297	0.1	0.82	0.240896458	2.890610665	3109.043756
230	0.089068821	0.53177649	0.146172149	0.1	0.82	0.240920937	2.890904367	3111.93466
230.2	0.089150559	0.532264499	0.146187006	0.1	0.82	0.240945424	2.891198162	3114.825858
230.4	0.089232306	0.532752558	0.146201868	0.1	0.82	0.240969918	2.89149205	3117.717351
230.6	0.08931406	0.533240667	0.146216734	0.1	0.82	0.24099442	2.891786032	3120.609137
230.8	0.089395824	0.533728825	0.146231605	0.1	0.82	0.241018931	2.892080107	3123.501217
231	0.089477595	0.534217034	0.14624648	0.1	0.82	0.241043449	2.892374276	3126.393591
231.2	0.089559375	0.534705292	0.146261361	0.1	0.82	0.241067974	2.892668538	3129.286259
231.4	0.089641163	0.5351936	0.146276246	0.1	0.82	0.241092508	2.892962894	3132.179222
231.6	0.08972296	0.535681958	0.146291135	0.1	0.82	0.241117049	2.893257344	3135.07248
231.8	0.089804765	0.536170366	0.14630603	0.1	0.82	0.241141599	2.893551887	3137.966032
232	0.089886578	0.536658824	0.146320929	0.1	0.82	0.241166156	2.893846524	3140.859878
232.2	0.089968399	0.537147331	0.146335833	0.1	0.82	0.24119072	2.894141256	3143.754019
232.4	0.090050229	0.537635889	0.146350742	0.1	0.82	0.241215293	2.894436081	3146.648455
232.6	0.090132068	0.538124497	0.146365656	0.1	0.82	0.241239874	2.894731	3149.543186
232.8	0.090213914	0.538613154	0.146380574	0.1	0.82	0.241264462	2.895026013	3152.438212
233	0.090295769	0.539101862	0.146395497	0.1	0.82	0.241289058	2.89532112	3155.333534
233.2	0.090377633	0.539590619	0.146410425	0.1	0.82	0.241313662	2.895616321	3158.22915
233.4	0.090459505	0.540079426	0.146425357	0.1	0.82	0.241338274	2.895911616	3161.125062
233.6	0.090541385	0.540568284	0.146440295	0.1	0.82	0.241362894	2.896207006	3164.021269
233.8	0.090623273	0.541057191	0.146455237	0.1	0.82	0.241387521	2.89650249	3166.917771
234	0.09070517	0.541546149	0.146470184	0.1	0.82	0.241412157	2.896798068	3169.814569
234.2	0.090787076	0.542035157	0.146485135	0.1	0.82	0.2414368	2.89709374	3172.711663
234.4	0.090868989	0.542524214	0.146500092	0.1	0.82	0.241461451	2.897389507	3175.609052
234.6	0.090950912	0.543013322	0.146515053	0.1	0.82	0.24148611	2.897685368	3178.506738
234.8	0.091032842	0.54350248	0.146530019	0.1	0.82	0.241510777	2.897981324	3181.404719
235	0.091114781	0.543991688	0.14654499	0.1	0.82	0.241535452	2.898277375	3184.302996
235.2	0.091196728	0.544480946	0.146559965	0.1	0.82	0.241560135	2.89857352	3187.20157
235.4	0.091278684	0.544970255	0.146574946	0.1	0.82	0.241584825	2.898869759	3190.10044
235.6	0.091360648	0.545459613	0.146589931	0.1	0.82	0.241609524	2.899166094	3192.999606
235.8	0.091442621	0.545949022	0.146604921	0.1	0.82	0.24163423	2.899462523	3195.899068
236	0.091524602	0.546438481	0.146619915	0.1	0.82	0.241658944	2.899759047	3198.798827
236.2	0.091606591	0.54692799	0.146634915	0.1	0.82	0.241683667	2.900055666	3201.698883
236.4	0.091688589	0.54741755	0.146649919	0.1	0.82	0.241708397	2.900352379	3204.599235
236.6	0.091770595	0.54790716	0.146664928	0.1	0.82	0.241733135	2.900649188	3207.499885
236.8	0.091852609	0.54839682	0.146679942	0.1	0.82	0.241757881	2.900946092	3210.400831
237	0.091934633	0.54888653	0.146694961	0.1	0.82	0.241782634	2.901243091	3213.302074
237.2	0.092016664	0.549376291	0.146709984	0.1	0.82	0.241807396	2.901540185	3216.203614
237.4	0.092098704	0.549866101	0.146725013	0.1	0.82	0.241832166	2.901837374	3219.105451
237.6	0.092180752	0.550355963	0.146740046	0.1	0.82	0.241856944	2.902134658	3222.007586
237.8	0.092262809	0.550845874	0.146755084	0.1	0.82	0.241881729	2.902432038	3224.910018
238	0.092344874	0.551335836	0.146770127	0.1	0.82	0.241906523	2.902729513	3227.812748
238.2	0.092426948	0.551825849	0.146785174	0.1	0.82	0.241931324	2.903027083	3230.715775
238.4	0.09250903	0.552315912	0.146800227	0.1	0.82	0.241956134	2.903324749	3233.619099
238.6	0.09259112	0.552806025	0.146815284	0.1	0.82	0.241980951	2.90362251	3236.522722
238.8	0.092673219	0.553296189	0.146830346	0.1	0.82	0.242005777	2.903920367	3239.426642
239	0.092755327	0.553786403	0.146845413	0.1	0.82	0.24203061	2.904218319	3242.330861
239.2	0.092837443	0.554276667	0.146860485	0.1	0.82	0.242055451	2.904516367	3245.235377
239.4	0.092919567	0.554766983	0.146875562	0.1	0.82	0.242080301	2.904814511	3248.140191
239.6	0.0930017	0.555257348	0.146890643	0.1	0.82	0.242105158	2.90511275	3251.045304
239.8	0.093083841	0.555747764	0.146905729	0.1	0.82	0.242130023	2.905411086	3253.950715
240	0.093165991	0.556238231	0.14692082	0.1	0.82	0.242154896	2.905709517	3256.856425

240.2	0.093248149	0.556728748	0.146935917	0.1	0.82	0.242179778	2.906008044	3259.762433
240.4	0.093330316	0.557219316	0.146951017	0.1	0.82	0.242204667	2.906306666	3262.668739
240.6	0.093412491	0.557709934	0.146966123	0.1	0.82	0.242229564	2.906605385	3265.575345
240.8	0.093494674	0.558200603	0.146981234	0.1	0.82	0.242254469	2.9069042	3268.482249
241	0.093576866	0.558691323	0.146996349	0.1	0.82	0.242279383	2.907203111	3271.389452
241.2	0.093659067	0.559182093	0.147011469	0.1	0.82	0.242304304	2.907502119	3274.296954
241.4	0.093741276	0.559672914	0.147026595	0.1	0.82	0.242329233	2.907801222	3277.204756
241.6	0.093823494	0.560163786	0.147041725	0.1	0.82	0.24235417	2.908100422	3280.112856
241.8	0.09390572	0.560654708	0.147056859	0.1	0.82	0.242379116	2.908399718	3283.021256
242	0.093987954	0.561145681	0.147071999	0.1	0.82	0.242404069	2.90869911	3285.929955
242.2	0.094070197	0.561636705	0.147087144	0.1	0.82	0.242429031	2.908998599	3288.838953
242.4	0.094152449	0.562127779	0.147102293	0.1	0.82	0.242454	2.909298184	3291.748252
242.6	0.094234709	0.562618904	0.147117448	0.1	0.82	0.242478978	2.909597866	3294.657849
242.8	0.094316977	0.56311008	0.147132607	0.1	0.82	0.242503963	2.909897644	3297.567747
243	0.094399254	0.563601307	0.147147771	0.1	0.82	0.242528957	2.910197519	3300.477945
243.2	0.09448154	0.564092585	0.14716294	0.1	0.82	0.242553958	2.910497491	3303.388442
243.4	0.094563834	0.564583913	0.147178114	0.1	0.82	0.242578968	2.910797559	3306.29924
243.6	0.094646136	0.565075292	0.147193293	0.1	0.82	0.242603986	2.911097724	3309.210337
243.8	0.094728447	0.565566722	0.147208477	0.1	0.82	0.242629012	2.911397986	3312.121735
244	0.094810767	0.566058203	0.147223666	0.1	0.82	0.242654046	2.911698345	3315.033434
244.2	0.094893095	0.566549735	0.147238859	0.1	0.82	0.242679088	2.911998801	3317.945433
244.4	0.094975432	0.567041317	0.147254058	0.1	0.82	0.242704138	2.912299354	3320.857732
244.6	0.095057777	0.567532951	0.147269261	0.1	0.82	0.242729196	2.912600003	3323.770332
244.8	0.095140131	0.568024636	0.147284469	0.1	0.82	0.242754262	2.91290075	3326.683233
245	0.095222493	0.568516371	0.147299683	0.1	0.82	0.242779337	2.913201594	3329.596434
245.2	0.095304864	0.569008158	0.147314901	0.1	0.82	0.242804419	2.913502536	3332.509937
245.4	0.095387243	0.569499995	0.147330124	0.1	0.82	0.24282951	2.913803574	3335.42374
245.6	0.095469631	0.569991883	0.147345352	0.1	0.82	0.242854609	2.91410471	3338.337845
245.8	0.095552027	0.570483823	0.147360584	0.1	0.82	0.242879715	2.914405943	3341.252251
246	0.095634432	0.570975813	0.147375822	0.1	0.82	0.24290483	2.914707274	3344.166958
246.2	0.095716846	0.571467855	0.147391065	0.1	0.82	0.242929953	2.915008702	3347.081967
246.4	0.095799268	0.571959947	0.147406313	0.1	0.82	0.242955085	2.915310228	3349.997277
246.6	0.095881698	0.572452091	0.147421565	0.1	0.82	0.242980224	2.915611851	3352.912889
246.8	0.095964137	0.572944286	0.147436823	0.1	0.82	0.243005371	2.915913571	3355.828803
247	0.096046585	0.573436532	0.147452085	0.1	0.82	0.243030527	2.91621539	3358.745018
247.2	0.096129041	0.573928829	0.147467353	0.1	0.82	0.243055691	2.916517306	3361.661535
247.4	0.096211506	0.574421177	0.147482625	0.1	0.82	0.243080863	2.91681932	3364.578355
247.6	0.09629398	0.574913576	0.147497902	0.1	0.82	0.243106043	2.917121432	3367.495476
247.8	0.096376462	0.575406027	0.147513185	0.1	0.82	0.243131231	2.917423642	3370.4129
248	0.096458952	0.575898528	0.147528472	0.1	0.82	0.243156427	2.917725949	3373.330626
248.2	0.096541451	0.576391081	0.147543764	0.1	0.82	0.243181632	2.918028355	3376.248654
248.4	0.096623959	0.576883685	0.147559061	0.1	0.82	0.243206845	2.918330859	3379.166985
248.6	0.096706475	0.577376341	0.147574363	0.1	0.82	0.243232065	2.91863346	3382.085618
248.8	0.096789	0.577869047	0.14758967	0.1	0.82	0.243257295	2.91893616	3385.004554
249	0.096871534	0.578361805	0.147604982	0.1	0.82	0.243282532	2.919238959	3387.923793
249.2	0.096954076	0.578854615	0.147620299	0.1	0.82	0.243307777	2.919541855	3390.843335
249.4	0.097036627	0.579347475	0.147635621	0.1	0.82	0.243333031	2.91984485	3393.76318
249.6	0.097119186	0.579840387	0.147650948	0.1	0.82	0.243358293	2.920147943	3396.683328
249.8	0.097201754	0.58033335	0.14766628	0.1	0.82	0.243383563	2.920451135	3399.603779
250	0.09728433	0.580826365	0.147681617	0.1	0.82	0.243408841	2.920754425	3402.524534
250.2	0.097366915	0.581319431	0.147696959	0.1	0.82	0.243434128	2.921057813	3405.445591
250.4	0.097449509	0.581812548	0.147712306	0.1	0.82	0.243459422	2.9213613	3408.366953
250.6	0.097532111	0.582305717	0.147727658	0.1	0.82	0.243484725	2.921664886	3411.288618

250.8	0.097614722	0.582798937	0.147743014	0.1	0.82	0.243510036	2.921968571	3414.210586
251	0.097697342	0.583292209	0.147758376	0.1	0.82	0.243535356	2.922272354	3417.132859
251.2	0.09777997	0.583785532	0.147773743	0.1	0.82	0.243560683	2.922576236	3420.055435
251.4	0.097862607	0.584278906	0.147789115	0.1	0.82	0.243586019	2.922880217	3422.978315
251.6	0.097945252	0.584772333	0.147804492	0.1	0.82	0.243611363	2.923184297	3425.901499
251.8	0.098027906	0.58526581	0.147819874	0.1	0.82	0.243636716	2.923488475	3428.824988
252	0.098110569	0.585759339	0.147835261	0.1	0.82	0.243662076	2.923792753	3431.748781
252.2	0.09819324	0.58625292	0.147850652	0.1	0.82	0.243687445	2.92409713	3434.672878
252.4	0.09827592	0.586746552	0.147866049	0.1	0.82	0.243712822	2.924401606	3437.597279
252.6	0.098358608	0.587240236	0.147881451	0.1	0.82	0.243738208	2.924706181	3440.521985
252.8	0.098441306	0.587733972	0.147896858	0.1	0.82	0.243763601	2.925010856	3443.446996
253	0.098524012	0.588227759	0.14791227	0.1	0.82	0.243789003	2.925315629	3446.372312
253.2	0.098606726	0.588721597	0.147927687	0.1	0.82	0.243814414	2.925620502	3449.297932
253.4	0.098689449	0.589215488	0.147943109	0.1	0.82	0.243839832	2.925925475	3452.223858
253.6	0.098772181	0.58970943	0.147958536	0.1	0.82	0.243865259	2.926230547	3455.150088
253.8	0.098854922	0.590203423	0.147973968	0.1	0.82	0.243890694	2.926535718	3458.076624
254	0.098937671	0.590697469	0.147989405	0.1	0.82	0.243916137	2.926840989	3461.003465
254.2	0.099020428	0.591191566	0.148004847	0.1	0.82	0.243941589	2.92714636	3463.930612
254.4	0.099103195	0.591685715	0.148020294	0.1	0.82	0.243967049	2.92745183	3466.858063
254.6	0.09918597	0.592179915	0.148035747	0.1	0.82	0.243992517	2.9277574	3469.785821
254.8	0.099268754	0.592674168	0.148051204	0.1	0.82	0.244017994	2.92806307	3472.713884
255	0.099351546	0.593168472	0.148066666	0.1	0.82	0.244043479	2.928368839	3475.642253
255.2	0.099434347	0.593662828	0.148082133	0.1	0.82	0.244068972	2.928674709	3478.570927
255.4	0.099517157	0.594157236	0.148097606	0.1	0.82	0.244094474	2.928980678	3481.499908
255.6	0.099599976	0.594651695	0.148113083	0.1	0.82	0.244119984	2.929286748	3484.429195
255.8	0.099682803	0.595146207	0.148128566	0.1	0.82	0.244145502	2.929592917	3487.358788
256	0.099765639	0.59564077	0.148144053	0.1	0.82	0.244171029	2.929899187	3490.288687
256.2	0.099848483	0.596135385	0.148159546	0.1	0.82	0.244196564	2.930205557	3493.218892
256.4	0.099931337	0.596630052	0.148175044	0.1	0.82	0.244222107	2.930512027	3496.149404
256.6	0.100014199	0.597124772	0.148190547	0.1	0.82	0.244247659	2.930818597	3499.080223
256.8	0.100097069	0.597619542	0.148206054	0.1	0.82	0.244273219	2.931125268	3502.011348
257	0.100179949	0.598114365	0.148221567	0.1	0.82	0.244298787	2.931432039	3504.94278
257.2	0.100262837	0.59860924	0.148237085	0.1	0.82	0.244324364	2.93173891	3507.874519
257.4	0.100345734	0.599104167	0.148252609	0.1	0.82	0.244349949	2.932045882	3510.806565
257.6	0.100428639	0.599599146	0.148268137	0.1	0.82	0.244375543	2.932352954	3513.738918
257.8	0.100511553	0.600094177	0.14828367	0.1	0.82	0.244401145	2.932660128	3516.671578
258	0.100594476	0.60058926	0.148299208	0.1	0.82	0.244426755	2.932967401	3519.604546
258.2	0.100677408	0.601084395	0.148314752	0.1	0.82	0.244452374	2.933274776	3522.53782
258.4	0.100760348	0.601579582	0.1483303	0.1	0.82	0.244478001	2.933582251	3525.471403
258.6	0.100843297	0.602074822	0.148345854	0.1	0.82	0.244503637	2.933889827	3528.405293
258.8	0.100926255	0.602570113	0.148361413	0.1	0.82	0.244529281	2.934197504	3531.33949
259	0.101009222	0.603065456	0.148376977	0.1	0.82	0.244554933	2.934505282	3534.273995
259.2	0.101092197	0.603560852	0.148392546	0.1	0.82	0.244580594	2.934813161	3537.208808
259.4	0.101175181	0.6040563	0.14840812	0.1	0.82	0.244606263	2.935121141	3540.14393
259.6	0.101258174	0.6045518	0.148423699	0.1	0.82	0.244631941	2.935429222	3543.079359
259.8	0.101341175	0.605047352	0.148439283	0.1	0.82	0.244657627	2.935737404	3546.015096
260	0.101424185	0.605542956	0.148454873	0.1	0.82	0.244683321	2.936045687	3548.951142
260.2	0.101507204	0.606038613	0.148470467	0.1	0.82	0.244709024	2.936354072	3551.887496
260.4	0.101590232	0.606534321	0.148486067	0.1	0.82	0.244734736	2.936662558	3554.824159
260.6	0.101673269	0.607030083	0.148501672	0.1	0.82	0.244760455	2.936971146	3557.76113
260.8	0.101756314	0.607525896	0.148517282	0.1	0.82	0.244786184	2.937279835	3560.69841
261	0.101839368	0.608021762	0.148532897	0.1	0.82	0.24481192	2.937588625	3563.635998
261.2	0.101922431	0.60851768	0.148548517	0.1	0.82	0.244837666	2.937897517	3566.573896

261.4	0.102005502	0.60901365	0.148564142	0.1	0.82	0.244863419	2.93820651	3569.512102
261.6	0.102088582	0.609509673	0.148579773	0.1	0.82	0.244889182	2.938515606	3572.450618
261.8	0.102171672	0.610005748	0.148595408	0.1	0.82	0.244914952	2.938824802	3575.389443
262	0.102254769	0.610501875	0.148611049	0.1	0.82	0.244940731	2.939134101	3578.328577
262.2	0.102337876	0.610998055	0.148626695	0.1	0.82	0.244966519	2.939443502	3581.26802
262.4	0.102420991	0.611494287	0.148642346	0.1	0.82	0.244992315	2.939753004	3584.207773
262.6	0.102504116	0.611990572	0.148658002	0.1	0.82	0.24501812	2.940062609	3587.147836
262.8	0.102587249	0.612486909	0.148673664	0.1	0.82	0.245043933	2.940372315	3590.088208
263	0.10267039	0.612983298	0.14868933	0.1	0.82	0.245069754	2.940682123	3593.02889
263.2	0.102753541	0.613479741	0.148705002	0.1	0.82	0.245095585	2.940992034	3595.969882
263.4	0.1028367	0.613976235	0.148720679	0.1	0.82	0.245121423	2.941302047	3598.911184
263.6	0.102919868	0.614472782	0.148736361	0.1	0.82	0.24514727	2.941612162	3601.852796
263.8	0.103003045	0.614969382	0.148752048	0.1	0.82	0.245173126	2.941922379	3604.794719
264	0.103086231	0.615466034	0.148767741	0.1	0.82	0.24519899	2.942232698	3607.736952
264.2	0.103169426	0.615962739	0.148783438	0.1	0.82	0.245224863	2.94254312	3610.679495
264.4	0.103252629	0.616459496	0.148799141	0.1	0.82	0.245250744	2.942853645	3613.622348
264.6	0.103335841	0.616956306	0.148814849	0.1	0.82	0.245276634	2.943164272	3616.565513
264.8	0.103419062	0.617453169	0.148830562	0.1	0.82	0.245302533	2.943475001	3619.508988
265	0.103502292	0.617950084	0.148846281	0.1	0.82	0.24532844	2.943785834	3622.452773
265.2	0.103585531	0.618447052	0.148862004	0.1	0.82	0.245354355	2.944096769	3625.39687
265.4	0.103668778	0.618944073	0.148877733	0.1	0.82	0.245380279	2.944407806	3628.341278
265.6	0.103752034	0.619441146	0.148893467	0.1	0.82	0.245406212	2.944718947	3631.285997
265.8	0.1038353	0.619938272	0.148909206	0.1	0.82	0.245432153	2.94503019	3634.231027
266	0.103918573	0.620435451	0.14892495	0.1	0.82	0.245458103	2.945341536	3637.176369
266.2	0.104001856	0.620932683	0.1489407	0.1	0.82	0.245484061	2.945652985	3640.122022
266.4	0.104085148	0.621429967	0.148956454	0.1	0.82	0.245510028	2.945964537	3643.067986
266.6	0.104168448	0.621927304	0.148972214	0.1	0.82	0.245536004	2.946276193	3646.014262
266.8	0.104251758	0.622424694	0.14898798	0.1	0.82	0.245561988	2.946587951	3648.96085
267	0.104335076	0.622922137	0.14900375	0.1	0.82	0.245587981	2.946899813	3651.90775
267.2	0.104418403	0.623419632	0.149019526	0.1	0.82	0.245613982	2.947211777	3654.854962
267.4	0.104501739	0.623917181	0.149035306	0.1	0.82	0.245639992	2.947523846	3657.802486
267.6	0.104585083	0.624414782	0.149051093	0.1	0.82	0.245666011	2.947836017	3660.750322
267.8	0.104668437	0.624912436	0.149066884	0.1	0.82	0.245692038	2.948148292	3663.69847
268	0.104751799	0.625410143	0.14908268	0.1	0.82	0.245718074	2.948460671	3666.646931
268.2	0.104835171	0.625907903	0.149098482	0.1	0.82	0.245744118	2.948773153	3669.595704
268.4	0.104918551	0.626405716	0.149114289	0.1	0.82	0.245770171	2.949085738	3672.54479
268.6	0.10500194	0.626903582	0.149130101	0.1	0.82	0.245796233	2.949398428	3675.494188
268.8	0.105085338	0.627401501	0.149145919	0.1	0.82	0.245822304	2.949711221	3678.443899
269	0.105168745	0.627899473	0.149161742	0.1	0.82	0.245848383	2.950024117	3681.393923
269.2	0.10525216	0.628397498	0.14917757	0.1	0.82	0.24587447	2.950337118	3684.344261
269.4	0.105335585	0.628895575	0.149193403	0.1	0.82	0.245900567	2.950650222	3687.294911
269.6	0.105419018	0.629393706	0.149209241	0.1	0.82	0.245926672	2.950963431	3690.245874
269.8	0.105502461	0.629891891	0.149225085	0.1	0.82	0.245952785	2.951276743	3693.197151
270	0.105585912	0.630390128	0.149240934	0.1	0.82	0.245978908	2.95159016	3696.148741
270.2	0.105669372	0.630888418	0.149256789	0.1	0.82	0.246005039	2.951903681	3699.100645
270.4	0.105752841	0.631386761	0.149272648	0.1	0.82	0.246031179	2.952217305	3702.052862
270.6	0.105836319	0.631885158	0.149288513	0.1	0.82	0.246057327	2.952531034	3705.005393
270.8	0.105919806	0.632383607	0.149304383	0.1	0.82	0.246083484	2.952844868	3707.958238
271	0.106003301	0.63288211	0.149320258	0.1	0.82	0.24610965	2.953158806	3710.911397
271.2	0.106086806	0.633380666	0.149336139	0.1	0.82	0.246135825	2.953472848	3713.86487
271.4	0.106170319	0.633879275	0.149352025	0.1	0.82	0.246162008	2.953786994	3716.818657
271.6	0.106253842	0.634377938	0.149367916	0.1	0.82	0.2461882	2.954101246	3719.772758
271.8	0.106337373	0.634876654	0.149383813	0.1	0.82	0.2462144	2.954415601	3722.727173

272	0.106420914	0.635375423	0.149399715	0.1	0.82	0.24624061	2.954730062	3725.681904
272.2	0.106504463	0.635874245	0.149415622	0.1	0.82	0.246266828	2.955044627	3728.636948
272.4	0.106588021	0.63637312	0.149431534	0.1	0.82	0.246293055	2.955359297	3731.592307
272.6	0.106671588	0.636872049	0.149447452	0.1	0.82	0.24631929	2.955674071	3734.547982
272.8	0.106755164	0.637371031	0.149463375	0.1	0.82	0.246345535	2.955988951	3737.50397
273	0.106838749	0.637870067	0.149479303	0.1	0.82	0.246371788	2.956303935	3740.460274
273.2	0.106922343	0.638369156	0.149495237	0.1	0.82	0.24639805	2.956619025	3743.416893
273.4	0.107005946	0.638868298	0.149511176	0.1	0.82	0.24642432	2.95693422	3746.373828
273.6	0.107089557	0.639367494	0.14952712	0.1	0.82	0.2464506	2.957249519	3749.331077
273.8	0.107173178	0.639866743	0.14954307	0.1	0.82	0.246476888	2.957564924	3752.288642
274	0.107256808	0.640366046	0.149559025	0.1	0.82	0.246503185	2.957880434	3755.246523
274.2	0.107340446	0.640865402	0.149574985	0.1	0.82	0.24652949	2.95819605	3758.204719
274.4	0.107424094	0.641364811	0.149590951	0.1	0.82	0.246555805	2.95851177	3761.16323
274.6	0.107507751	0.641864274	0.149606921	0.1	0.82	0.246582128	2.958827597	3764.122058
274.8	0.107591416	0.642363791	0.149622898	0.1	0.82	0.24660846	2.959143528	3767.081201
275	0.107675091	0.642863361	0.149638879	0.1	0.82	0.246634801	2.959459565	3770.040661
275.2	0.107758774	0.643362984	0.149654866	0.1	0.82	0.246661151	2.959775708	3773.000437
275.4	0.107842466	0.643862661	0.149670858	0.1	0.82	0.246687509	2.960091957	3775.960529
275.6	0.107926168	0.644362392	0.149686856	0.1	0.82	0.246713876	2.960408311	3778.920937
275.8	0.108009878	0.644862176	0.149702859	0.1	0.82	0.246740252	2.960724771	3781.881662
276	0.108093597	0.645362014	0.149718867	0.1	0.82	0.246766637	2.961041336	3784.842703
276.2	0.108177326	0.645861906	0.149734881	0.1	0.82	0.246793031	2.961358008	3787.804061
276.4	0.108261063	0.646361851	0.1497509	0.1	0.82	0.246819433	2.961674786	3790.765736
276.6	0.108344809	0.64686185	0.149766924	0.1	0.82	0.246845845	2.961991669	3793.727728
276.8	0.108428565	0.647361903	0.149782954	0.1	0.82	0.246872265	2.962308659	3796.690036
277	0.108512329	0.647862009	0.149798989	0.1	0.82	0.246898694	2.962625755	3799.652662
277.2	0.108596102	0.648362169	0.14981503	0.1	0.82	0.246925132	2.962942957	3802.615605
277.4	0.108679885	0.648862383	0.149831076	0.1	0.82	0.246951579	2.963260265	3805.578865
277.6	0.108763676	0.649362651	0.149847127	0.1	0.82	0.246978034	2.963577679	3808.542443
277.8	0.108847476	0.649862972	0.149863183	0.1	0.82	0.247004499	2.9638952	3811.506338
278	0.108931286	0.650363347	0.149879245	0.1	0.82	0.247030972	2.964212828	3814.470551
278.2	0.109015104	0.650863776	0.149895313	0.1	0.82	0.247057455	2.964530561	3817.435082
278.4	0.109098931	0.651364259	0.149911386	0.1	0.82	0.247083946	2.964848402	3820.39993
278.6	0.109182768	0.651864796	0.149927464	0.1	0.82	0.247110446	2.965166349	3823.365096
278.8	0.109266613	0.652365386	0.149943547	0.1	0.82	0.247136955	2.965484402	3826.330581
279	0.109350467	0.652866031	0.149959636	0.1	0.82	0.247163472	2.965802563	3829.296383
279.2	0.109434331	0.653366729	0.149975731	0.1	0.82	0.247189999	2.96612083	3832.262504
279.4	0.109518203	0.653867481	0.14999183	0.1	0.82	0.247216535	2.966439204	3835.228943
279.6	0.109602085	0.654368287	0.150007936	0.1	0.82	0.247243079	2.966757685	3838.195701
279.8	0.109685975	0.654869148	0.150024046	0.1	0.82	0.247269633	2.967076273	3841.162777
280	0.109769875	0.655370062	0.150040162	0.1	0.82	0.247296195	2.967394967	3844.130172
280.2	0.109853784	0.65587103	0.150056283	0.1	0.82	0.247322766	2.967713769	3847.097886
280.4	0.109937701	0.656372052	0.15007241	0.1	0.82	0.247349347	2.968032679	3850.065919
280.6	0.110021628	0.656873128	0.150088543	0.1	0.82	0.247375936	2.968351695	3853.03427
280.8	0.110105564	0.657374259	0.15010468	0.1	0.82	0.247402534	2.968670818	3856.002941
281	0.110189509	0.657875443	0.150120823	0.1	0.82	0.247429141	2.968990049	3858.971931
281.2	0.110273463	0.658376681	0.150136972	0.1	0.82	0.247455757	2.969309388	3861.941241
281.4	0.110357426	0.658877974	0.150153126	0.1	0.82	0.247482382	2.969628833	3864.910869
281.6	0.110441398	0.659379321	0.150169285	0.1	0.82	0.247509016	2.969948387	3867.880818
281.8	0.110525379	0.659880721	0.15018545	0.1	0.82	0.247535659	2.970268048	3870.851086
282	0.110609369	0.660382176	0.15020162	0.1	0.82	0.247562311	2.970587816	3873.821674
282.2	0.110693368	0.660883686	0.150217796	0.1	0.82	0.247588971	2.970907692	3876.792581
282.4	0.110777377	0.661385249	0.150233977	0.1	0.82	0.247615641	2.971227676	3879.763809

282.6	0.110861394	0.661886867	0.150250164	0.1	0.82	0.24764232	2.971547768	3882.735357
282.8	0.11094542	0.662388538	0.150266356	0.1	0.82	0.247669008	2.971867968	3885.707225
283	0.111029456	0.662890264	0.150282553	0.1	0.82	0.247695705	2.972188275	3888.679413
283.2	0.111113501	0.663392045	0.150298757	0.1	0.82	0.24772241	2.972508691	3891.651922
283.4	0.111197555	0.66389388	0.150314965	0.1	0.82	0.247749125	2.972829214	3894.624751
283.6	0.111281617	0.664395768	0.150331179	0.1	0.82	0.247775849	2.973149846	3897.597901
283.8	0.111365689	0.664897712	0.150347398	0.1	0.82	0.247802582	2.973470586	3900.571371
284	0.11144977	0.665399709	0.150363623	0.1	0.82	0.247829324	2.973791434	3903.545163
284.2	0.111533861	0.665901761	0.150379854	0.1	0.82	0.247856075	2.974112391	3906.519275
284.4	0.11161796	0.666403868	0.150396089	0.1	0.82	0.247882835	2.974433456	3909.493709
284.6	0.111702068	0.666906029	0.150412331	0.1	0.82	0.247909604	2.974754629	3912.468463
284.8	0.111786186	0.667408244	0.150428578	0.1	0.82	0.247936382	2.975075911	3915.443539
285	0.111870312	0.667910514	0.15044483	0.1	0.82	0.247963169	2.975397301	3918.418937
285.2	0.111954448	0.668412838	0.150461088	0.1	0.82	0.247989965	2.9757188	3921.394655
285.4	0.112038593	0.668915216	0.150477351	0.1	0.82	0.24801677	2.976040408	3924.370696
285.6	0.112122747	0.669417649	0.15049362	0.1	0.82	0.248043584	2.976362124	3927.347058
285.8	0.11220691	0.669920137	0.150509894	0.1	0.82	0.248070407	2.976683949	3930.323742
286	0.112291083	0.670422679	0.150526174	0.1	0.82	0.24809724	2.977005883	3933.300748
286.2	0.112375264	0.670925276	0.150542459	0.1	0.82	0.248124081	2.977327926	3936.278076
286.4	0.112459454	0.671427927	0.15055875	0.1	0.82	0.248150932	2.977650078	3939.255726
286.6	0.112543654	0.671930633	0.150575046	0.1	0.82	0.248177791	2.977972339	3942.233698
286.8	0.112627863	0.672433393	0.150591348	0.1	0.82	0.24820466	2.978294709	3945.211993
287	0.112712081	0.672936208	0.150607656	0.1	0.82	0.248231538	2.978617189	3948.19061
287.2	0.112796308	0.673439078	0.150623969	0.1	0.82	0.248258425	2.978939777	3951.16955
287.4	0.112880544	0.673942003	0.150640287	0.1	0.82	0.248285321	2.979262475	3954.148812
287.6	0.11296479	0.674444982	0.150656611	0.1	0.82	0.248312226	2.979585282	3957.128397
287.8	0.113049045	0.674948015	0.15067294	0.1	0.82	0.24833914	2.979908199	3960.108306
288	0.113133308	0.675451104	0.150689275	0.1	0.82	0.248366064	2.980231225	3963.088537
288.2	0.113217581	0.675954247	0.150705616	0.1	0.82	0.248392996	2.98055436	3966.069091
288.4	0.113301863	0.676457445	0.150721962	0.1	0.82	0.248419938	2.980877605	3969.049969
288.6	0.113386155	0.676960698	0.150738314	0.1	0.82	0.248446889	2.98120096	3972.03117
288.8	0.113470455	0.677464005	0.150754671	0.1	0.82	0.248473849	2.981524425	3975.012694
289	0.113554765	0.677967368	0.150771034	0.1	0.82	0.248500818	2.981847999	3977.994542
289.2	0.113639084	0.678470785	0.150787402	0.1	0.82	0.248527796	2.982171684	3980.976714
289.4	0.113723412	0.678974257	0.150803776	0.1	0.82	0.248554784	2.982495478	3983.959209
289.6	0.113807749	0.679477784	0.150820155	0.1	0.82	0.24858178	2.982819382	3986.942029
289.8	0.113892095	0.679981366	0.15083654	0.1	0.82	0.248608786	2.983143396	3989.925172
290	0.113976451	0.680485003	0.150852931	0.1	0.82	0.248635801	2.983467521	3992.90864
290.2	0.114060816	0.680988694	0.150869327	0.1	0.82	0.248662825	2.983791755	3995.892431
290.4	0.11414519	0.681492441	0.150885729	0.1	0.82	0.248689858	2.9841161	3998.876548
290.6	0.114229573	0.681996242	0.150902136	0.1	0.82	0.248716901	2.984440555	4001.860988
290.8	0.114313965	0.682500099	0.150918549	0.1	0.82	0.248743953	2.98476512	4004.845753
291	0.114398367	0.68300401	0.150934968	0.1	0.82	0.248771013	2.985089796	4007.830843
291.2	0.114482778	0.683507977	0.150951392	0.1	0.82	0.248798084	2.985414582	4010.816258
291.4	0.114567198	0.684011998	0.150967821	0.1	0.82	0.248825163	2.985739479	4013.801997
291.6	0.114651627	0.684516075	0.150984256	0.1	0.82	0.248852252	2.986064487	4016.788062
291.8	0.114736066	0.685020207	0.151000697	0.1	0.82	0.248879349	2.986389605	4019.774451
292	0.114820513	0.685524393	0.151017144	0.1	0.82	0.248906456	2.986714834	4022.761166
292.2	0.11490497	0.686028635	0.151033596	0.1	0.82	0.248933573	2.987040173	4025.748206
292.4	0.114989437	0.686532932	0.151050053	0.1	0.82	0.248960698	2.987365624	4028.735572
292.6	0.115073912	0.687037285	0.151066517	0.1	0.82	0.248987833	2.987691186	4031.723263
292.8	0.115158397	0.687541692	0.151082986	0.1	0.82	0.249014977	2.988016858	4034.71128
293	0.115242891	0.688046154	0.15109946	0.1	0.82	0.24904213	2.988342642	4037.699622

293.2	0.115327394	0.688550672	0.15111594	0.1	0.82	0.249069293	2.988668536	4040.688291
293.4	0.115411906	0.689055245	0.151132426	0.1	0.82	0.249096464	2.988994542	4043.677286
293.6	0.115496428	0.689559873	0.151148917	0.1	0.82	0.249123645	2.989320659	4046.666606
293.8	0.115580959	0.690064557	0.151165414	0.1	0.82	0.249150836	2.989646888	4049.656253
294	0.115665499	0.690569296	0.151181917	0.1	0.82	0.249178035	2.989973227	4052.646226
294.2	0.115750049	0.69107409	0.151198425	0.1	0.82	0.249205244	2.990299679	4055.636526
294.4	0.115834607	0.691578939	0.151214939	0.1	0.82	0.249232463	2.990626241	4058.627152
294.6	0.115919175	0.692083844	0.151231459	0.1	0.82	0.24925969	2.990952916	4061.618105
294.8	0.116003752	0.692588804	0.151247984	0.1	0.82	0.249286927	2.991279702	4064.609385
295	0.116088339	0.693093819	0.151264515	0.1	0.82	0.249314173	2.991606599	4067.600991
295.2	0.116172935	0.69359889	0.151281051	0.1	0.82	0.249341428	2.991933609	4070.592925
295.4	0.11625754	0.694104016	0.151297593	0.1	0.82	0.249368693	2.99226073	4073.585186
295.6	0.116342154	0.694609198	0.151314141	0.1	0.82	0.249395967	2.992587963	4076.577774
295.8	0.116426778	0.695114435	0.151330695	0.1	0.82	0.249423251	2.992915308	4079.570689
296	0.116511411	0.695619728	0.151347254	0.1	0.82	0.249450543	2.993242765	4082.563932
296.2	0.116596053	0.696125076	0.151363818	0.1	0.82	0.249477846	2.993570334	4085.557502
296.4	0.116680705	0.69663048	0.151380389	0.1	0.82	0.249505157	2.993898015	4088.5514
296.6	0.116765366	0.697135939	0.151396965	0.1	0.82	0.249532478	2.994225809	4091.545626
296.8	0.116850036	0.697641453	0.151413547	0.1	0.82	0.249559808	2.994553715	4094.54018
297	0.116934715	0.698147024	0.151430134	0.1	0.82	0.249587148	2.994881733	4097.535061
297.2	0.117019404	0.69865265	0.151446728	0.1	0.82	0.249614496	2.995209863	4100.530271
297.4	0.117104102	0.699158331	0.151463326	0.1	0.82	0.249641855	2.995538106	4103.525809
297.6	0.117188809	0.699664068	0.151479931	0.1	0.82	0.249669222	2.995866462	4106.521676
297.8	0.117273526	0.700169861	0.151496541	0.1	0.82	0.249696599	2.99619493	4109.517871
298	0.117358252	0.700675709	0.151513157	0.1	0.82	0.249723986	2.996523511	4112.514394
298.2	0.117442988	0.701181613	0.151529779	0.1	0.82	0.249751382	2.996852204	4115.511247
298.4	0.117527732	0.701687573	0.151546406	0.1	0.82	0.249778787	2.997181011	4118.508428
298.6	0.117612486	0.702193589	0.151563039	0.1	0.82	0.249806201	2.99750993	4121.505937
298.8	0.11769725	0.70269966	0.151579678	0.1	0.82	0.249833626	2.997838962	4124.503776
299	0.117782022	0.703205787	0.151596323	0.1	0.82	0.249861059	2.998168107	4127.501945
299.2	0.117866804	0.70371197	0.151612973	0.1	0.82	0.249888502	2.998497365	4130.500442
299.4	0.117951596	0.704218208	0.151629629	0.1	0.82	0.249915954	2.998826737	4133.499269
299.6	0.118036397	0.704724502	0.15164629	0.1	0.82	0.249943416	2.999156221	4136.498425
299.8	0.118121207	0.705230853	0.151662958	0.1	0.82	0.249970887	2.999485819	4139.497911
300	0.118206026	0.705737259	0.151679631	0.1	0.82	0.249998368	2.99981553	4142.497726
300.2	0.118290855	0.706243721	0.15169631	0.1	0.82	0.250025858	3.000145354	4145.497872
300.4	0.118375693	0.706750239	0.151712994	0.1	0.82	0.250053357	3.000475292	4148.498347
300.6	0.118460541	0.707256812	0.151729685	0.1	0.82	0.250080866	3.000805343	4151.499152
300.8	0.118545398	0.707763442	0.151746381	0.1	0.82	0.250108385	3.001135508	4154.500288
301	0.118630264	0.708270128	0.151763083	0.1	0.82	0.250135913	3.001465787	4157.501753
301.2	0.11871514	0.708776869	0.15177979	0.1	0.82	0.25016345	3.001796179	4160.50355
301.4	0.118800025	0.709283667	0.151796504	0.1	0.82	0.250190997	3.002126685	4163.505676
301.6	0.118884919	0.70979052	0.151813223	0.1	0.82	0.250218554	3.002457305	4166.508134
301.8	0.118969823	0.71029743	0.151829948	0.1	0.82	0.25024612	3.002788039	4169.510922
302	0.119054736	0.710804396	0.151846678	0.1	0.82	0.250273695	3.003118887	4172.514041
302.2	0.119139659	0.711311417	0.151863415	0.1	0.82	0.25030128	3.003449849	4175.51749
302.4	0.119224591	0.711818495	0.151880157	0.1	0.82	0.250328874	3.003780925	4178.521271
302.6	0.119309532	0.712325629	0.151896905	0.1	0.82	0.250356478	3.004112115	4181.525383
302.8	0.119394483	0.712832819	0.151913658	0.1	0.82	0.250384092	3.004443419	4184.529827
303	0.119479443	0.713340066	0.151930418	0.1	0.82	0.250411715	3.004774838	4187.534602
303.2	0.119564412	0.713847368	0.151947183	0.1	0.82	0.250439347	3.005106371	4190.539708
303.4	0.119649391	0.714354726	0.151963954	0.1	0.82	0.250466989	3.005438018	4193.545146
303.6	0.11973438	0.714862141	0.151980731	0.1	0.82	0.250494641	3.00576978	4196.550916

303.8	0.119819378	0.715369612	0.151997514	0.1	0.82	0.250522302	3.006101657	4199.557018
304	0.119904385	0.715877139	0.152014302	0.1	0.82	0.250549973	3.006433648	4202.563451
304.2	0.119989402	0.716384723	0.152031096	0.1	0.82	0.250577653	3.006765754	4205.570217
304.4	0.120074428	0.716892363	0.152047896	0.1	0.82	0.250605343	3.007097974	4208.577315
304.6	0.120159463	0.717400059	0.152064702	0.1	0.82	0.250633042	3.00743031	4211.584745
304.8	0.120244508	0.717907811	0.152081514	0.1	0.82	0.250660751	3.00776276	4214.592508
305	0.120329562	0.71841562	0.152098331	0.1	0.82	0.25068847	3.008095326	4217.600603
305.2	0.120414626	0.718923485	0.152115155	0.1	0.82	0.250716198	3.008428006	4220.609031
305.4	0.1204997	0.719431406	0.152131984	0.1	0.82	0.250743936	3.008760802	4223.617792
305.6	0.120584782	0.719939384	0.152148819	0.1	0.82	0.250771683	3.009093712	4226.626886
305.8	0.120669874	0.720447419	0.15216566	0.1	0.82	0.25079944	3.009426738	4229.636313
306	0.120754976	0.720955509	0.152182506	0.1	0.82	0.250827207	3.009759879	4232.646072
306.2	0.120840087	0.721463657	0.152199359	0.1	0.82	0.250854983	3.010093136	4235.656166
306.4	0.120925208	0.72197186	0.152216217	0.1	0.82	0.250882769	3.010426508	4238.666592
306.6	0.121010338	0.72248012	0.152233081	0.1	0.82	0.250910564	3.010759995	4241.677352
306.8	0.121095477	0.722988437	0.152249951	0.1	0.82	0.250938369	3.011093598	4244.688446
307	0.121180626	0.72349681	0.152266827	0.1	0.82	0.250966184	3.011427317	4247.699873
307.2	0.121265785	0.72400524	0.152283708	0.1	0.82	0.250994008	3.011761152	4250.711634
307.4	0.121350952	0.724513726	0.152300596	0.1	0.82	0.251021842	3.012095102	4253.723729
307.6	0.12143613	0.725022269	0.152317489	0.1	0.82	0.251049686	3.012429168	4256.736158
307.8	0.121521317	0.725530869	0.152334389	0.1	0.82	0.251077539	3.01276335	4259.748922
308	0.121606513	0.726039525	0.152351294	0.1	0.82	0.251105402	3.013097648	4262.762019
308.2	0.121691719	0.726548238	0.152368205	0.1	0.82	0.251133275	3.013432062	4265.775451
308.4	0.121776934	0.727057007	0.152385121	0.1	0.82	0.251161157	3.013766592	4268.789218
308.6	0.121862159	0.727565834	0.152402044	0.1	0.82	0.251189049	3.014101238	4271.803319
308.8	0.121947393	0.728074717	0.152418973	0.1	0.82	0.251216951	3.014436001	4274.817755
309	0.122032637	0.728583656	0.152435907	0.1	0.82	0.251244862	3.01477088	4277.832526
309.2	0.12211789	0.729092653	0.152452848	0.1	0.82	0.251272783	3.015105875	4280.847632
309.4	0.122203153	0.729601706	0.152469794	0.1	0.82	0.251300714	3.015440986	4283.863073
309.6	0.122288426	0.730110816	0.152486746	0.1	0.82	0.251328655	3.015776215	4286.878849
309.8	0.122373707	0.730619983	0.152503704	0.1	0.82	0.251356605	3.016111559	4289.894961
310	0.122458999	0.731129206	0.152520668	0.1	0.82	0.251384565	3.016447021	4292.911408
310.2	0.1225443	0.731638487	0.152537638	0.1	0.82	0.251412535	3.016782599	4295.92819
310.4	0.12262961	0.732147824	0.152554614	0.1	0.82	0.251440514	3.017118294	4298.945309
310.6	0.12271493	0.732657218	0.152571595	0.1	0.82	0.251468503	3.017454106	4301.962763
310.8	0.12280026	0.733166669	0.152588583	0.1	0.82	0.251496502	3.017790035	4304.980553
311	0.122885599	0.733676178	0.152605576	0.1	0.82	0.251524511	3.01812608	4307.998679
311.2	0.122970947	0.734185743	0.152622576	0.1	0.82	0.251552529	3.018462243	4311.017141
311.4	0.123056305	0.734695365	0.152639581	0.1	0.82	0.251580558	3.018798523	4314.03594
311.6	0.123141673	0.735205044	0.152656592	0.1	0.82	0.251608596	3.01913492	4317.055075
311.8	0.12322705	0.73571478	0.15267361	0.1	0.82	0.251636643	3.019471435	4320.074546
312	0.123312437	0.736224573	0.152690633	0.1	0.82	0.251664701	3.019808066	4323.094354
312.2	0.123397833	0.736734423	0.152707662	0.1	0.82	0.251692768	3.020144816	4326.114499
312.4	0.123483239	0.73724433	0.152724697	0.1	0.82	0.251720845	3.020481682	4329.134981
312.6	0.123568654	0.737754294	0.152741738	0.1	0.82	0.251748932	3.020818666	4332.155799
312.8	0.123654079	0.738264316	0.152758785	0.1	0.82	0.251777029	3.021155768	4335.176955
313	0.123739514	0.738774394	0.152775838	0.1	0.82	0.251805136	3.021492988	4338.198448
313.2	0.123824958	0.73928453	0.152792896	0.1	0.82	0.251833252	3.021830325	4341.220278
313.4	0.123910412	0.739794722	0.152809961	0.1	0.82	0.251861378	3.02216778	4344.242446
313.6	0.123995875	0.740304973	0.152827032	0.1	0.82	0.251889514	3.022505353	4347.264952
313.8	0.124081348	0.74081528	0.152844109	0.1	0.82	0.25191766	3.022843044	4350.287795
314	0.12416683	0.741325644	0.152861191	0.1	0.82	0.251945816	3.023180853	4353.310975
314.2	0.124252322	0.741836066	0.15287828	0.1	0.82	0.251973981	3.02351878	4356.334494

314.4	0.124337824	0.742346545	0.152895375	0.1	0.82	0.252002156	3.023856825	4359.358351
314.6	0.124423335	0.742857081	0.152912475	0.1	0.82	0.252030342	3.024194989	4362.382546
314.8	0.124508856	0.743367675	0.152929582	0.1	0.82	0.252058537	3.024533271	4365.407079
315	0.124594387	0.743878326	0.152946694	0.1	0.82	0.252086742	3.024871671	4368.431951
315.2	0.124679927	0.744389034	0.152963813	0.1	0.82	0.252114957	3.025210189	4371.457161
315.4	0.124765476	0.7448998	0.152980938	0.1	0.82	0.252143181	3.025548826	4374.48271
315.6	0.124851036	0.745410623	0.152998068	0.1	0.82	0.252171416	3.025887582	4377.508598
315.8	0.124936604	0.745921503	0.153015205	0.1	0.82	0.25219966	3.026226456	4380.534824
316	0.125022183	0.746432441	0.153032347	0.1	0.82	0.252227915	3.02656545	4383.561389
316.2	0.125107771	0.746943436	0.153049496	0.1	0.82	0.252256179	3.026904561	4386.588294
316.4	0.125193369	0.747454489	0.15306665	0.1	0.82	0.252284453	3.027243792	4389.615538
316.6	0.125278976	0.747965599	0.153083811	0.1	0.82	0.252312737	3.027583142	4392.643121
316.8	0.125364593	0.748476767	0.153100978	0.1	0.82	0.252341031	3.027922611	4395.671044
317	0.12545022	0.748987993	0.15311815	0.1	0.82	0.252369335	3.028262198	4398.699306
317.2	0.125535856	0.749499275	0.153135329	0.1	0.82	0.252397649	3.028601905	4401.727908
317.4	0.125621502	0.750010616	0.153152514	0.1	0.82	0.252425973	3.028941732	4404.756849
317.6	0.125707158	0.750522014	0.153169704	0.1	0.82	0.252454307	3.029281677	4407.786131
317.8	0.125792823	0.75103347	0.153186901	0.1	0.82	0.25248265	3.029621742	4410.815753
318	0.125878498	0.751544983	0.153204104	0.1	0.82	0.252511004	3.029961926	4413.845715
318.2	0.125964182	0.752056554	0.153221313	0.1	0.82	0.252539368	3.03030223	4416.876017
318.4	0.126049877	0.752568183	0.153238528	0.1	0.82	0.252567741	3.030642653	4419.90666
318.6	0.12613558	0.753079869	0.153255749	0.1	0.82	0.252596125	3.030983196	4422.937643
318.8	0.126221294	0.753591613	0.153272976	0.1	0.82	0.252624518	3.031323859	4425.968967
319	0.126307017	0.754103415	0.153290209	0.1	0.82	0.252652922	3.031664641	4429.000631
319.2	0.12639275	0.754615274	0.153307448	0.1	0.82	0.252681335	3.032005543	4432.032637
319.4	0.126478493	0.755127192	0.153324693	0.1	0.82	0.252709759	3.032346565	4435.064983
319.6	0.126564245	0.755639167	0.153341944	0.1	0.82	0.252738192	3.032687708	4438.097671
319.8	0.126650007	0.7561512	0.153359202	0.1	0.82	0.252766636	3.03302897	4441.1307
320	0.126735778	0.756663291	0.153376465	0.1	0.82	0.252795089	3.033370352	4444.16407
320.2	0.12682156	0.757175439	0.153393734	0.1	0.82	0.252823553	3.033711855	4447.197782
320.4	0.126907351	0.757687646	0.15341101	0.1	0.82	0.252852027	3.034053478	4450.231836
320.6	0.126993151	0.75819991	0.153428292	0.1	0.82	0.25288051	3.034395221	4453.266231
320.8	0.127078962	0.758712233	0.153445579	0.1	0.82	0.252909004	3.034737085	4456.300968
321	0.127164782	0.759224613	0.153462873	0.1	0.82	0.252937508	3.035079069	4459.336047
321.2	0.127250612	0.759737051	0.153480173	0.1	0.82	0.252966021	3.035421174	4462.371468
321.4	0.127336451	0.760249547	0.153497479	0.1	0.82	0.252994545	3.035763399	4465.407232
321.6	0.1274223	0.760762102	0.153514791	0.1	0.82	0.253023079	3.036105745	4468.443338
321.8	0.127508159	0.761274714	0.15353211	0.1	0.82	0.253051623	3.036448212	4471.479786
322	0.127594028	0.761787384	0.153549434	0.1	0.82	0.253080177	3.036790799	4474.516577
322.2	0.127679906	0.762300113	0.153566764	0.1	0.82	0.253108741	3.037133508	4477.55371
322.4	0.127765794	0.762812899	0.153584101	0.1	0.82	0.253137315	3.037476338	4480.591186
322.6	0.127851692	0.763325744	0.153601444	0.1	0.82	0.253165899	3.037819288	4483.629006
322.8	0.1279376	0.763838646	0.153618793	0.1	0.82	0.253194494	3.03816236	4486.667168
323	0.128023517	0.764351607	0.153636148	0.1	0.82	0.253223098	3.038505553	4489.705674
323.2	0.128109444	0.764864626	0.153653509	0.1	0.82	0.253251713	3.038848867	4492.744522
323.4	0.128195381	0.765377704	0.153670876	0.1	0.82	0.253280338	3.039192303	4495.783715
323.6	0.128281328	0.765890839	0.153688249	0.1	0.82	0.253308972	3.03953586	4498.823251
323.8	0.128367284	0.766404033	0.153705629	0.1	0.82	0.253337617	3.039879539	4501.86313
324	0.12845325	0.766917284	0.153723014	0.1	0.82	0.253366272	3.040223339	4504.903353
324.2	0.128539226	0.767430595	0.153740406	0.1	0.82	0.253394938	3.040567261	4507.943921
324.4	0.128625212	0.767943963	0.153757804	0.1	0.82	0.253423613	3.040911304	4510.984832
324.6	0.128711207	0.76845739	0.153775208	0.1	0.82	0.253452299	3.041255469	4514.026088
324.8	0.128797212	0.768970875	0.153792619	0.1	0.82	0.253480994	3.041599756	4517.067687

325	0.128883227	0.769484418	0.153810035	0.1	0.82	0.2535097	3.041944165	4520.109631
325.2	0.128969252	0.76999802	0.153827458	0.1	0.82	0.253538416	3.042288697	4523.15192
325.4	0.129055286	0.77051168	0.153844887	0.1	0.82	0.253567142	3.04263335	4526.194553
325.6	0.12914133	0.771025399	0.153862322	0.1	0.82	0.253595879	3.042978125	4529.237532
325.8	0.129227384	0.771539176	0.153879763	0.1	0.82	0.253624625	3.043323022	4532.280855
326	0.129313448	0.772053012	0.15389721	0.1	0.82	0.253653382	3.043668042	4535.324523
326.2	0.129399522	0.772566906	0.153914664	0.1	0.82	0.253682149	3.044013184	4538.368536
326.4	0.129485605	0.773080858	0.153932124	0.1	0.82	0.253710926	3.044358449	4541.412894
326.6	0.129571699	0.773594869	0.153949589	0.1	0.82	0.253739713	3.044703836	4544.457598
326.8	0.129657802	0.774108939	0.153967062	0.1	0.82	0.253768511	3.045049346	4547.502647
327	0.129743914	0.774623067	0.15398454	0.1	0.82	0.253797319	3.045394978	4550.548042
327.2	0.129830037	0.775137254	0.154002025	0.1	0.82	0.253826137	3.045740733	4553.593783
327.4	0.12991617	0.775651499	0.154019515	0.1	0.82	0.253854965	3.046086611	4556.63987
327.6	0.130002312	0.776165803	0.154037012	0.1	0.82	0.253883804	3.046432612	4559.686302
327.8	0.130088464	0.776680166	0.154054515	0.1	0.82	0.253912652	3.046778736	4562.733081
328	0.130174626	0.777194587	0.154072025	0.1	0.82	0.253941511	3.047124983	4565.780206
328.2	0.130260798	0.777709067	0.154089541	0.1	0.82	0.253970381	3.047471352	4568.827677
328.4	0.130346979	0.778223605	0.154107062	0.1	0.82	0.25399926	3.047817846	4571.875495
328.6	0.130433171	0.778738203	0.154124591	0.1	0.82	0.25402815	3.048164462	4574.92366
328.8	0.130519372	0.779252859	0.154142125	0.1	0.82	0.25405705	3.048511201	4577.972171
329	0.130605583	0.779767574	0.154159665	0.1	0.82	0.254085961	3.048858064	4581.021029
329.2	0.130691804	0.780282348	0.154177212	0.1	0.82	0.254114881	3.049205051	4584.070234
329.4	0.130778035	0.78079718	0.154194765	0.1	0.82	0.254143812	3.049552161	4587.119786
329.6	0.130864276	0.781312071	0.154212325	0.1	0.82	0.254172754	3.049899395	4590.169686
329.8	0.130950526	0.781827022	0.15422989	0.1	0.82	0.254201705	3.050246752	4593.219932
330	0.131036787	0.782342031	0.154247462	0.1	0.82	0.254230667	3.050594233	4596.270527
330.2	0.131123057	0.782857099	0.15426504	0.1	0.82	0.254259639	3.050941838	4599.321468
330.4	0.131209337	0.783372226	0.154282625	0.1	0.82	0.254288622	3.051289567	4602.372758
330.6	0.131295627	0.783887411	0.154300215	0.1	0.82	0.254317615	3.05163742	4605.424395
330.8	0.131381927	0.784402656	0.154317812	0.1	0.82	0.254346618	3.051985396	4608.476381
331	0.131468237	0.78491796	0.154335415	0.1	0.82	0.254375632	3.052333497	4611.528714
331.2	0.131554556	0.785433323	0.154353025	0.1	0.82	0.254404656	3.052681723	4614.581396
331.4	0.131640886	0.785948745	0.154370641	0.1	0.82	0.25443369	3.053030072	4617.634426
331.6	0.131727225	0.786464225	0.154388263	0.1	0.82	0.254462735	3.053378546	4620.687805
331.8	0.131813575	0.786979765	0.154405891	0.1	0.82	0.25449179	3.053727144	4623.741532
332	0.131899934	0.787495364	0.154423526	0.1	0.82	0.254520855	3.054075867	4626.795608
332.2	0.131986303	0.788011022	0.154441167	0.1	0.82	0.254549931	3.054424715	4629.850032
332.4	0.132072682	0.78852674	0.154458814	0.1	0.82	0.254579017	3.054773687	4632.904806
332.6	0.132159071	0.789042516	0.154476467	0.1	0.82	0.254608114	3.055122783	4635.959929
332.8	0.13224547	0.789558352	0.154494127	0.1	0.82	0.254637221	3.055472005	4639.015401
333	0.132331878	0.790074246	0.154511793	0.1	0.82	0.254666338	3.055821351	4642.071222
333.2	0.132418297	0.7905902	0.154529466	0.1	0.82	0.254695466	3.056170823	4645.127393
333.4	0.132504726	0.791106214	0.154547145	0.1	0.82	0.254724604	3.056520419	4648.183914
333.6	0.132591164	0.791622286	0.15456483	0.1	0.82	0.254753753	3.056870141	4651.240784
333.8	0.132677613	0.792138418	0.154582521	0.1	0.82	0.254782912	3.057219988	4654.298004
334	0.132764071	0.792654609	0.154600219	0.1	0.82	0.254812081	3.05756996	4657.355574
334.2	0.132850539	0.793170859	0.154617923	0.1	0.82	0.254841261	3.057920057	4660.413494
334.4	0.132937017	0.793687169	0.154635634	0.1	0.82	0.254870452	3.05827028	4663.471764
334.6	0.133023506	0.794203538	0.154653351	0.1	0.82	0.254899653	3.058620628	4666.530385
334.8	0.133110004	0.794719966	0.154671074	0.1	0.82	0.254928864	3.058971102	4669.589356
335	0.133196512	0.795236454	0.154688804	0.1	0.82	0.254958086	3.059321701	4672.648677
335.2	0.13328303	0.795753001	0.154706539	0.1	0.82	0.254987318	3.059672426	4675.70835
335.4	0.133369558	0.796269608	0.154724282	0.1	0.82	0.255016561	3.060023277	4678.768373

335.6	0.133456096	0.796786274	0.15474203	0.1	0.82	0.255045814	3.060374254	4681.828747
335.8	0.133542644	0.797303	0.154759785	0.1	0.82	0.255075078	3.060725357	4684.889473
336	0.133629202	0.797819785	0.154777547	0.1	0.82	0.255104353	3.061076586	4687.950549
336.2	0.133715769	0.79833663	0.154795315	0.1	0.82	0.255133637	3.06142794	4691.011977
336.4	0.133802347	0.798853534	0.154813089	0.1	0.82	0.255162933	3.061779421	4694.073757
336.6	0.133888935	0.799370498	0.154830869	0.1	0.82	0.255192239	3.062131029	4697.135888
336.8	0.133975533	0.799887522	0.154848656	0.1	0.82	0.255221555	3.062482762	4700.19837
337	0.134062141	0.800404605	0.154866449	0.1	0.82	0.255250882	3.062834622	4703.261205
337.2	0.134148758	0.800921748	0.154884249	0.1	0.82	0.255280219	3.063186609	4706.324392
337.4	0.134235386	0.80143895	0.154902055	0.1	0.82	0.255309567	3.063538722	4709.38793
337.6	0.134322024	0.801956212	0.154919868	0.1	0.82	0.255338926	3.063890961	4712.451821
337.8	0.134408672	0.802473534	0.154937687	0.1	0.82	0.255368295	3.064243327	4715.516065
338	0.13449533	0.802990915	0.154955512	0.1	0.82	0.255397675	3.064595821	4718.58066
338.2	0.134581997	0.803508357	0.154973344	0.1	0.82	0.255427065	3.064948441	4721.645609
338.4	0.134668675	0.804025858	0.154991182	0.1	0.82	0.255456466	3.065301187	4724.71091
338.6	0.134755363	0.804543419	0.155009027	0.1	0.82	0.255485877	3.065654061	4727.776564
338.8	0.134842061	0.805061039	0.155026878	0.1	0.82	0.2555153	3.066007062	4730.842571
339	0.134928769	0.80557872	0.155044735	0.1	0.82	0.255544732	3.06636019	4733.908931
339.2	0.135015486	0.80609646	0.155062599	0.1	0.82	0.255574175	3.066713446	4736.975645
339.4	0.135102214	0.80661426	0.155080469	0.1	0.82	0.255603629	3.067066828	4740.042712
339.6	0.135188952	0.807132121	0.155098346	0.1	0.82	0.255633094	3.067420338	4743.110132
339.8	0.1352757	0.807650041	0.155116229	0.1	0.82	0.255662569	3.067773976	4746.177906
340	0.135362458	0.808168021	0.155134119	0.1	0.82	0.255692055	3.068127741	4749.246034
340.2	0.135449226	0.808686061	0.155152015	0.1	0.82	0.255721551	3.068481634	4752.314515
340.4	0.135536004	0.809204161	0.155169918	0.1	0.82	0.255751058	3.068835654	4755.383351
340.6	0.135622793	0.809722321	0.155187827	0.1	0.82	0.255780576	3.069189802	4758.452541
340.8	0.135709591	0.810240541	0.155205742	0.1	0.82	0.255810104	3.069544078	4761.522085
341	0.135796399	0.810758821	0.155223664	0.1	0.82	0.255839643	3.069898482	4764.591983
341.2	0.135883217	0.811277161	0.155241592	0.1	0.82	0.255869193	3.070253014	4767.662236
341.4	0.135970046	0.811795561	0.155259527	0.1	0.82	0.255898753	3.070607675	4770.732844
341.6	0.136056884	0.812314021	0.155277469	0.1	0.82	0.255928324	3.070962463	4773.803807
341.8	0.136143733	0.812832542	0.155295417	0.1	0.82	0.255957906	3.071317379	4776.875124
342	0.136230591	0.813351122	0.155313371	0.1	0.82	0.255987498	3.071672424	4779.946796
342.2	0.13631746	0.813869763	0.155331332	0.1	0.82	0.256017101	3.072027597	4783.018824
342.4	0.136404339	0.814388464	0.155349299	0.1	0.82	0.256046715	3.072382899	4786.091207
342.6	0.136491228	0.814907226	0.155367273	0.1	0.82	0.25607634	3.072738329	4789.163945
342.8	0.136578127	0.815426047	0.155385254	0.1	0.82	0.256105975	3.073093888	4792.237039
343	0.136665036	0.815944929	0.15540324	0.1	0.82	0.256135621	3.073449576	4795.310489
343.2	0.136751955	0.816463871	0.155421234	0.1	0.82	0.256165278	3.073805392	4798.384294
343.4	0.136838884	0.816982873	0.155439234	0.1	0.82	0.256194945	3.074161338	4801.458455
343.6	0.136925823	0.817501936	0.15545724	0.1	0.82	0.256224623	3.074517412	4804.532973
343.8	0.137012773	0.818021059	0.155475253	0.1	0.82	0.256254312	3.074873615	4807.607846
344	0.137099732	0.818540243	0.155493273	0.1	0.82	0.256284012	3.075229947	4810.683076
344.2	0.137186702	0.819059487	0.155511299	0.1	0.82	0.256313723	3.075586409	4813.758663
344.4	0.137273682	0.819578791	0.155529331	0.1	0.82	0.256343444	3.075943	4816.834606
344.6	0.137360672	0.820098156	0.15554737	0.1	0.82	0.256373176	3.07629972	4819.910905
344.8	0.137447672	0.820617581	0.155565416	0.1	0.82	0.256402919	3.076656569	4822.987562
345	0.137534682	0.821137067	0.155583468	0.1	0.82	0.256432673	3.077013549	4826.064576
345.2	0.137621703	0.821656613	0.155601527	0.1	0.82	0.256462437	3.077370657	4829.141946
345.4	0.137708733	0.82217622	0.155619592	0.1	0.82	0.256492212	3.077727896	4832.219674
345.6	0.137795774	0.822695887	0.155637664	0.1	0.82	0.256521998	3.078085264	4835.297759
345.8	0.137882824	0.823215615	0.155655743	0.1	0.82	0.256551795	3.078442761	4838.376202
346	0.137969885	0.823735403	0.155673828	0.1	0.82	0.256581603	3.078800389	4841.455003

346.2	0.138056956	0.824255253	0.155691919	0.1	0.82	0.256611422	3.079158147	4844.534161
346.4	0.138144038	0.824775162	0.155710018	0.1	0.82	0.256641251	3.079516035	4847.613677
346.6	0.138231129	0.825295133	0.155728122	0.1	0.82	0.256671091	3.079874053	4850.693551
346.8	0.138318231	0.825815164	0.155746234	0.1	0.82	0.256700942	3.080232201	4853.773783
347	0.138405342	0.826335256	0.155764352	0.1	0.82	0.256730804	3.080590479	4856.854373
347.2	0.138492464	0.826855408	0.155782476	0.1	0.82	0.256760677	3.080948888	4859.935322
347.4	0.138579596	0.827375622	0.155800607	0.1	0.82	0.256790561	3.081307427	4863.01663
347.6	0.138666739	0.827895896	0.155818745	0.1	0.82	0.256820455	3.081666097	4866.098296
347.8	0.138753891	0.828416231	0.155836889	0.1	0.82	0.256850361	3.082024897	4869.180321
348	0.138841054	0.828936626	0.15585504	0.1	0.82	0.256880277	3.082383829	4872.262705
348.2	0.138928226	0.829457083	0.155873198	0.1	0.82	0.256910205	3.08274289	4875.345448
348.4	0.139015409	0.829977601	0.155891362	0.1	0.82	0.256940143	3.083102083	4878.42855
348.6	0.139102603	0.830498179	0.155909533	0.1	0.82	0.256970092	3.083461407	4881.512011
348.8	0.139189806	0.831018818	0.15592771	0.1	0.82	0.257000052	3.083820861	4884.595832
349	0.13927702	0.831539518	0.155945894	0.1	0.82	0.257030023	3.084180447	4887.680012
349.2	0.139364244	0.83206028	0.155964085	0.1	0.82	0.257060005	3.084540164	4890.764552
349.4	0.139451478	0.832581102	0.155982282	0.1	0.82	0.257089997	3.084900012	4893.849452
349.6	0.139538722	0.833101985	0.156000486	0.1	0.82	0.257120001	3.085259992	4896.934712
349.8	0.139625976	0.833622929	0.156018697	0.1	0.82	0.257150016	3.085620103	4900.020333
350	0.139713241	0.834143934	0.156036914	0.1	0.82	0.257180042	3.085980345	4903.106313
350.2	0.139800516	0.834665	0.156055138	0.1	0.82	0.257210078	3.086340719	4906.192654
350.4	0.139887801	0.835186128	0.156073368	0.1	0.82	0.257240126	3.086701225	4909.279355
350.6	0.139975097	0.835707316	0.156091606	0.1	0.82	0.257270184	3.087061862	4912.366417
350.8	0.140062402	0.836228566	0.15610985	0.1	0.82	0.257300254	3.087422631	4915.453839
351	0.140149718	0.836749877	0.1561281	0.1	0.82	0.257330335	3.087783533	4918.541623
351.2	0.140237044	0.837271249	0.156146357	0.1	0.82	0.257360426	3.088144566	4921.629767
351.4	0.140324381	0.837792682	0.156164621	0.1	0.82	0.257390529	3.088505731	4924.718273
351.6	0.140411727	0.838314176	0.156182892	0.1	0.82	0.257420642	3.088867028	4927.80714
351.8	0.140499084	0.838835732	0.156201169	0.1	0.82	0.257450767	3.089228458	4930.896369
352	0.140586451	0.839357349	0.156219453	0.1	0.82	0.257480903	3.08959002	4933.985959
352.2	0.140673829	0.839879027	0.156237744	0.1	0.82	0.257511049	3.089951714	4937.07591
352.4	0.140761216	0.840400766	0.156256041	0.1	0.82	0.257541207	3.09031354	4940.166224
352.6	0.140848614	0.840922567	0.156274345	0.1	0.82	0.257571376	3.0906755	4943.256899
352.8	0.140936023	0.84144443	0.156292656	0.1	0.82	0.257601556	3.091037592	4946.347937
353	0.141023441	0.841966353	0.156310974	0.1	0.82	0.257631747	3.091399816	4949.439337
353.2	0.14111087	0.842488338	0.156329298	0.1	0.82	0.257661949	3.091762173	4952.531099
353.4	0.141198309	0.843010385	0.156347629	0.1	0.82	0.257692162	3.092124664	4955.623224
353.6	0.141285758	0.843532492	0.156365966	0.1	0.82	0.257722386	3.092487287	4958.715711
353.8	0.141373218	0.844054662	0.156384311	0.1	0.82	0.257752621	3.092850043	4961.808561
354	0.141460688	0.844576893	0.156402662	0.1	0.82	0.257782868	3.093212933	4964.901774
354.2	0.141548168	0.845099185	0.15642102	0.1	0.82	0.257813125	3.093575955	4967.99535
354.4	0.141635659	0.845621539	0.156439384	0.1	0.82	0.257843394	3.093939111	4971.089289
354.6	0.14172316	0.846143954	0.156457756	0.1	0.82	0.257873673	3.0943024	4974.183591
354.8	0.141810671	0.846666432	0.156476134	0.1	0.82	0.257903964	3.094665823	4977.278257
355	0.141898193	0.84718897	0.156494519	0.1	0.82	0.257934266	3.095029379	4980.373287
355.2	0.141985725	0.847711571	0.15651291	0.1	0.82	0.257964579	3.095393069	4983.46868
355.4	0.142073267	0.848234233	0.156531309	0.1	0.82	0.257994903	3.095756892	4986.564437
355.6	0.142160819	0.848756956	0.156549714	0.1	0.82	0.258025238	3.09612085	4989.660557
355.8	0.142248382	0.849279742	0.156568126	0.1	0.82	0.258055585	3.096484941	4992.757042
356	0.142335955	0.849802589	0.156586545	0.1	0.82	0.258085943	3.096849166	4995.853892
356.2	0.142423539	0.850325497	0.15660497	0.1	0.82	0.258116312	3.097213525	4998.951105
356.4	0.142511133	0.850848468	0.156623402	0.1	0.82	0.258146692	3.097578019	5002.048683
356.6	0.142598737	0.8513715	0.156641841	0.1	0.82	0.258177083	3.097942646	5005.146626

356.8	0.142686352	0.851894595	0.156660287	0.1	0.82	0.258207485	3.098307408	5008.244933
357	0.142773977	0.852417751	0.15667874	0.1	0.82	0.258237899	3.098672304	5011.343605
357.2	0.142861612	0.852940969	0.156697199	0.1	0.82	0.258268324	3.099037334	5014.442643
357.4	0.142949258	0.853464248	0.156715665	0.1	0.82	0.25829876	3.099402499	5017.542045
357.6	0.143036914	0.85398759	0.156734138	0.1	0.82	0.258329207	3.099767799	5020.641813
357.8	0.14312458	0.854510994	0.156752618	0.1	0.82	0.258359665	3.100133234	5023.741946
358	0.143212257	0.855034459	0.156771105	0.1	0.82	0.258390135	3.100498803	5026.842445
358.2	0.143299944	0.855557987	0.156789598	0.1	0.82	0.258420616	3.100864507	5029.94331
358.4	0.143387642	0.856081576	0.156808099	0.1	0.82	0.258451108	3.101230346	5033.04454
358.6	0.14347535	0.856605228	0.156826606	0.1	0.82	0.258481612	3.10159632	5036.146136
358.8	0.143563068	0.857128942	0.15684512	0.1	0.82	0.258512126	3.101962429	5039.248099
359	0.143650797	0.857652717	0.156863641	0.1	0.82	0.258542652	3.102328673	5042.350427
359.2	0.143738536	0.858176555	0.156882168	0.1	0.82	0.25857319	3.102695053	5045.453122
359.4	0.143826285	0.858700455	0.156900703	0.1	0.82	0.258603738	3.103061568	5048.556184
359.6	0.143914045	0.859224417	0.156919244	0.1	0.82	0.258634298	3.103428218	5051.659612
359.8	0.144001816	0.859748441	0.156937792	0.1	0.82	0.258664869	3.103795004	5054.763407
360	0.144089597	0.860272527	0.156956347	0.1	0.82	0.258695452	3.104161926	5057.867569
360.2	0.144177388	0.860796676	0.156974909	0.1	0.82	0.258726045	3.104528983	5060.972098
360.4	0.144265189	0.861320887	0.156993478	0.1	0.82	0.258756651	3.104896176	5064.076994
360.6	0.144353001	0.86184516	0.157012054	0.1	0.82	0.258787267	3.105263505	5067.182258
360.8	0.144440824	0.862369495	0.157030636	0.1	0.82	0.258817895	3.10563097	5070.287889
361	0.144528657	0.862893893	0.157049226	0.1	0.82	0.258848534	3.105998571	5073.393887
361.2	0.1446165	0.863418353	0.157067822	0.1	0.82	0.258879184	3.106366308	5076.500254
361.4	0.144704354	0.863942875	0.157086425	0.1	0.82	0.258909846	3.106734181	5079.606988
361.6	0.144792218	0.86446746	0.157105035	0.1	0.82	0.258940519	3.10710219	5082.71409
361.8	0.144880093	0.864992107	0.157123652	0.1	0.82	0.258971204	3.107470336	5085.82156
362	0.144967978	0.865516816	0.157142276	0.1	0.82	0.259001899	3.107838619	5088.929399
362.2	0.145055874	0.866041588	0.157160907	0.1	0.82	0.259032607	3.108207038	5092.037606
362.4	0.14514378	0.866566422	0.157179545	0.1	0.82	0.259063325	3.108575593	5095.146182
362.6	0.145231696	0.867091319	0.157198189	0.1	0.82	0.259094055	3.108944285	5098.255126
362.8	0.145319623	0.867616279	0.157216841	0.1	0.82	0.259124797	3.109313114	5101.364439
363	0.145407561	0.868141301	0.157235499	0.1	0.82	0.25915555	3.10968208	5104.474121
363.2	0.145495509	0.868666385	0.157254165	0.1	0.82	0.259186314	3.110051183	5107.584172
363.4	0.145583467	0.869191532	0.157272837	0.1	0.82	0.25921709	3.110420423	5110.694593
363.6	0.145671436	0.869716742	0.157291516	0.1	0.82	0.259247877	3.1107898	5113.805383
363.8	0.145759415	0.870242014	0.157310202	0.1	0.82	0.259278676	3.111159315	5116.916542
364	0.145847405	0.870767349	0.157328895	0.1	0.82	0.259309486	3.111528967	5120.028071
364.2	0.145935406	0.871292746	0.157347596	0.1	0.82	0.259340307	3.111898756	5123.13997
364.4	0.146023417	0.871818207	0.157366303	0.1	0.82	0.25937114	3.112268682	5126.252238
364.6	0.146111438	0.87234373	0.157385017	0.1	0.82	0.259401984	3.112638746	5129.364877
364.8	0.14619947	0.872869315	0.157403738	0.1	0.82	0.25943284	3.113008948	5132.477886
365	0.146287512	0.873394964	0.157422466	0.1	0.82	0.259463708	3.113379288	5135.591265
365.2	0.146375565	0.873920675	0.1574412	0.1	0.82	0.259494587	3.113749765	5138.705015
365.4	0.146463629	0.874446449	0.157459942	0.1	0.82	0.259525477	3.11412038	5141.819135
365.6	0.146551703	0.874972286	0.157478691	0.1	0.82	0.259556379	3.114491134	5144.933626
365.8	0.146639787	0.875498186	0.157497447	0.1	0.82	0.259587292	3.114862025	5148.048489
366	0.146727882	0.876024148	0.15751621	0.1	0.82	0.259618217	3.115233055	5151.163722
366.2	0.146815988	0.876550174	0.15753498	0.1	0.82	0.259649153	3.115604223	5154.279326
366.4	0.146904104	0.877076262	0.157553756	0.1	0.82	0.259680101	3.115975529	5157.395301
366.6	0.146992231	0.877602414	0.15757254	0.1	0.82	0.259711061	3.116346973	5160.511648
366.8	0.147080368	0.878128628	0.157591331	0.1	0.82	0.259742032	3.116718557	5163.628367
367	0.147168516	0.878654906	0.157610129	0.1	0.82	0.259773014	3.117090278	5166.745457
367.2	0.147256674	0.879181246	0.157628934	0.1	0.82	0.259804009	3.117462139	5169.862919

367.4	0.147344843	0.87970765	0.157647746	0.1	0.82	0.259835014	3.117834138	5172.980753
367.6	0.147433022	0.880234116	0.157666565	0.1	0.82	0.259866032	3.118206276	5176.09896
367.8	0.147521212	0.880760646	0.15768539	0.1	0.82	0.259897061	3.118578553	5179.217538
368	0.147609413	0.881287239	0.157704223	0.1	0.82	0.259928101	3.118950969	5182.336489
368.2	0.147697624	0.881813894	0.157723063	0.1	0.82	0.259959153	3.119323525	5185.455813
368.4	0.147785846	0.882340614	0.15774191	0.1	0.82	0.259990217	3.119696219	5188.575509
368.6	0.147874078	0.882867396	0.157760765	0.1	0.82	0.260021292	3.120069053	5191.695578
368.8	0.147962321	0.883394241	0.157779626	0.1	0.82	0.260052379	3.120442026	5194.81602
369	0.148050574	0.88392115	0.157798494	0.1	0.82	0.260083478	3.120815139	5197.936835
369.2	0.148138839	0.884448122	0.157817369	0.1	0.82	0.260114588	3.121188391	5201.058024
369.4	0.148227113	0.884975157	0.157836251	0.1	0.82	0.260145709	3.121561783	5204.179585
369.6	0.148315399	0.885502256	0.157855141	0.1	0.82	0.260176843	3.121935315	5207.301521
369.8	0.148403694	0.886029418	0.157874037	0.1	0.82	0.260207988	3.122308986	5210.42383
370	0.148492001	0.886556643	0.157892941	0.1	0.82	0.260239145	3.122682798	5213.546512
370.2	0.148580318	0.887083931	0.157911851	0.1	0.82	0.260270313	3.123056749	5216.669569
370.4	0.148668646	0.887611283	0.157930769	0.1	0.82	0.260301493	3.123430841	5219.793
370.6	0.148756984	0.888138699	0.157949694	0.1	0.82	0.260332685	3.123805072	5222.916805
370.8	0.148845333	0.888666178	0.157968626	0.1	0.82	0.260363889	3.124179444	5226.040985
371	0.148933693	0.88919372	0.157987565	0.1	0.82	0.260395104	3.124553957	5229.165539
371.2	0.149022063	0.889721326	0.158006511	0.1	0.82	0.260426331	3.124928609	5232.290467
371.4	0.149110444	0.890248995	0.158025464	0.1	0.82	0.26045757	3.125303403	5235.415771
371.6	0.149198836	0.890776728	0.158044424	0.1	0.82	0.26048882	3.125678337	5238.541449
371.8	0.149287238	0.891304525	0.158063392	0.1	0.82	0.260520082	3.126053411	5241.667502
372	0.149375651	0.891832385	0.158082366	0.1	0.82	0.260551356	3.126428627	5244.793931
372.2	0.149464074	0.892360309	0.158101348	0.1	0.82	0.260582641	3.126803983	5247.920735
372.4	0.149552508	0.892888296	0.158120337	0.1	0.82	0.260613939	3.127179481	5251.047914
372.6	0.149640953	0.893416347	0.158139332	0.1	0.82	0.260645248	3.127555119	5254.175469
372.8	0.149729409	0.893944462	0.158158336	0.1	0.82	0.260676569	3.127930899	5257.3034
373	0.149817875	0.89447264	0.158177346	0.1	0.82	0.260707901	3.12830682	5260.431707
373.2	0.149906352	0.895000882	0.158196363	0.1	0.82	0.260739246	3.128682882	5263.56039
373.4	0.149994839	0.895529188	0.158215388	0.1	0.82	0.260770602	3.129059085	5266.689449
373.6	0.150083337	0.896057558	0.158234419	0.1	0.82	0.26080197	3.129435431	5269.818885
373.8	0.150171846	0.896585992	0.158253458	0.1	0.82	0.26083335	3.129811917	5272.948697
374	0.150260366	0.897114489	0.158272504	0.1	0.82	0.260864741	3.130188546	5276.078885
374.2	0.150348896	0.89764305	0.158291557	0.1	0.82	0.260896145	3.130565316	5279.20945
374.4	0.150437437	0.898171675	0.158310618	0.1	0.82	0.26092756	3.130942228	5282.340393
374.6	0.150525989	0.898700364	0.158329685	0.1	0.82	0.260958987	3.131319282	5285.471712
374.8	0.150614551	0.899229117	0.15834876	0.1	0.82	0.260990426	3.131696478	5288.603408
375	0.150703124	0.899757934	0.158367842	0.1	0.82	0.261021877	3.132073817	5291.735482
375.2	0.150791708	0.900286815	0.158386931	0.1	0.82	0.261053339	3.132451297	5294.867933
375.4	0.150880303	0.90081576	0.158406027	0.1	0.82	0.261084814	3.13282892	5298.000762
375.6	0.150968908	0.901344769	0.158425131	0.1	0.82	0.2611163	3.133206685	5301.133969
375.8	0.151057524	0.901873842	0.158444241	0.1	0.82	0.261147799	3.133584593	5304.267554
376	0.151146151	0.902402979	0.158463359	0.1	0.82	0.261179309	3.133962644	5307.401516
376.2	0.151234788	0.90293218	0.158482484	0.1	0.82	0.261210831	3.134340837	5310.535857
376.4	0.151323436	0.903461445	0.158501617	0.1	0.82	0.261242365	3.134719173	5313.670576
376.6	0.151412095	0.903990775	0.158520756	0.1	0.82	0.261273911	3.135097651	5316.805674
376.8	0.151500765	0.904520168	0.158539903	0.1	0.82	0.261305468	3.135476273	5319.94115
377	0.151589446	0.905049626	0.158559057	0.1	0.82	0.261337038	3.135855038	5323.077005
377.2	0.151678137	0.905579148	0.158578218	0.1	0.82	0.26136862	3.136233946	5326.213239
377.4	0.151766839	0.906108734	0.158597387	0.1	0.82	0.261400213	3.136612997	5329.349852
377.6	0.151855552	0.906638385	0.158616563	0.1	0.82	0.261431819	3.136992191	5332.486844
377.8	0.151944275	0.907168099	0.158635746	0.1	0.82	0.261463436	3.137371529	5335.624216

378	0.152033009	0.907697879	0.158654936	0.1	0.82	0.261495066	3.137751011	5338.761967
378.2	0.152121754	0.908227722	0.158674134	0.1	0.82	0.261526707	3.138130635	5341.900098
378.4	0.15221051	0.90875763	0.158693338	0.1	0.82	0.26155836	3.138510404	5345.038608
378.6	0.152299277	0.909287602	0.15871255	0.1	0.82	0.261590026	3.138890317	5348.177498
378.8	0.152388054	0.909817639	0.15873177	0.1	0.82	0.261621703	3.139270373	5351.316769
379	0.152476842	0.91034774	0.158750997	0.1	0.82	0.261653392	3.139650573	5354.456419
379.2	0.152565641	0.910877905	0.15877023	0.1	0.82	0.261685094	3.140030917	5357.59645
379.4	0.152654451	0.911408136	0.158789472	0.1	0.82	0.261716807	3.140411406	5360.736862
379.6	0.152743272	0.91193843	0.15880872	0.1	0.82	0.261748533	3.140792039	5363.877654
379.8	0.152832103	0.912468789	0.158827976	0.1	0.82	0.26178027	3.141172816	5367.018826
380	0.152920945	0.912999213	0.158847239	0.1	0.82	0.26181202	3.141553737	5370.16038
380.2	0.153009799	0.913529701	0.15886651	0.1	0.82	0.261843781	3.141934803	5373.302315
380.4	0.153098662	0.914060254	0.158885787	0.1	0.82	0.261875555	3.142316014	5376.444631
380.6	0.153187537	0.914590872	0.158905072	0.1	0.82	0.26190734	3.142697369	5379.587328
380.8	0.153276423	0.915121554	0.158924365	0.1	0.82	0.261939138	3.143078869	5382.730407
381	0.153365319	0.915652301	0.158943664	0.1	0.82	0.261970948	3.143460514	5385.873868
381.2	0.153454226	0.916183112	0.158962971	0.1	0.82	0.26200277	3.143842304	5389.01771
381.4	0.153543144	0.916713988	0.158982286	0.1	0.82	0.262034604	3.144224239	5392.161934
381.6	0.153632073	0.91724493	0.159001608	0.1	0.82	0.26206645	3.144606319	5395.306541
381.8	0.153721013	0.917775935	0.159020937	0.1	0.82	0.262098308	3.144988545	5398.451529
382	0.153809963	0.918307006	0.159040273	0.1	0.82	0.262130178	3.145370915	5401.5969
382.2	0.153898925	0.918838142	0.159059617	0.1	0.82	0.262162061	3.145753432	5404.742653
382.4	0.153987897	0.919369342	0.159078968	0.1	0.82	0.262193955	3.146136093	5407.88879
382.6	0.15407688	0.919900607	0.159098327	0.1	0.82	0.262225862	3.146518901	5411.035308
382.8	0.154165875	0.920431937	0.159117692	0.1	0.82	0.262257781	3.146901854	5414.18221
383	0.154254879	0.920963332	0.159137066	0.1	0.82	0.262289712	3.147284953	5417.329495
383.2	0.154343895	0.921494793	0.159156446	0.1	0.82	0.262321655	3.147668198	5420.477163
383.4	0.154432922	0.922026318	0.159175834	0.1	0.82	0.26235361	3.148051588	5423.625215
383.6	0.15452196	0.922557908	0.15919523	0.1	0.82	0.262385578	3.148435125	5426.77365
383.8	0.154611008	0.923089563	0.159214632	0.1	0.82	0.262417557	3.148818808	5429.922469
384	0.154700067	0.923621283	0.159234043	0.1	0.82	0.262449549	3.149202638	5433.071672
384.2	0.154789138	0.924153068	0.15925346	0.1	0.82	0.262481553	3.149586614	5436.221258
384.4	0.154878219	0.924684918	0.159272885	0.1	0.82	0.262513569	3.149970736	5439.371229
384.6	0.154967311	0.925216834	0.159292318	0.1	0.82	0.262545598	3.150355005	5442.521584
384.8	0.155056414	0.925748815	0.159311757	0.1	0.82	0.262577639	3.15073942	5445.672323
385	0.155145528	0.92628086	0.159331205	0.1	0.82	0.262609692	3.151123982	5448.823447
385.2	0.155234653	0.926812971	0.159350659	0.1	0.82	0.262641757	3.151508691	5451.974956
385.4	0.155323789	0.927345148	0.159370122	0.1	0.82	0.262673834	3.151893547	5455.12685
385.6	0.155412935	0.927877389	0.159389591	0.1	0.82	0.262705924	3.15227855	5458.279128
385.8	0.155502093	0.928409696	0.159409068	0.1	0.82	0.262738026	3.1526637	5461.431792
386	0.155591262	0.928942068	0.159428553	0.1	0.82	0.26277014	3.153048998	5464.584841
386.2	0.155680441	0.929474506	0.159448044	0.1	0.82	0.262802267	3.153434442	5467.738275
386.4	0.155769632	0.930007008	0.159467544	0.1	0.82	0.262834406	3.153820034	5470.892095
386.6	0.155858833	0.930539577	0.159487051	0.1	0.82	0.262866557	3.154205774	5474.046301
386.8	0.155948045	0.93107221	0.159506565	0.1	0.82	0.26289872	3.154591661	5477.200893
387	0.156037269	0.931604909	0.159526087	0.1	0.82	0.262930896	3.154977696	5480.355871
387.2	0.156126503	0.932137674	0.159545616	0.1	0.82	0.262963084	3.155363879	5483.511234
387.4	0.156215748	0.932670504	0.159565152	0.1	0.82	0.262995284	3.155750209	5486.666985
387.6	0.156305005	0.933203399	0.159584697	0.1	0.82	0.263027497	3.156136688	5489.823121
387.8	0.156394272	0.93373636	0.159604248	0.1	0.82	0.263059722	3.156523314	5492.979645
388	0.15648355	0.934269387	0.159623807	0.1	0.82	0.263091959	3.156910089	5496.136555
388.2	0.156572839	0.934802479	0.159643374	0.1	0.82	0.263124209	3.157297012	5499.293852
388.4	0.156662139	0.935335637	0.159662948	0.1	0.82	0.263156471	3.157684083	5502.451536

388.6	0.156751451	0.93586886	0.15968253	0.1	0.82	0.263188746	3.158071303	5505.609607
388.8	0.156840773	0.936402149	0.159702119	0.1	0.82	0.263221033	3.158458672	5508.768066
389	0.156930106	0.936935504	0.159721716	0.1	0.82	0.263253332	3.158846189	5511.926912
389.2	0.15701945	0.937468925	0.15974132	0.1	0.82	0.263285644	3.159233855	5515.086146
389.4	0.157108805	0.938002411	0.159760932	0.1	0.82	0.263317968	3.159621669	5518.245767
389.6	0.157198171	0.938535963	0.159780551	0.1	0.82	0.263350304	3.160009633	5521.405777
389.8	0.157287549	0.939069581	0.159800178	0.1	0.82	0.263382653	3.160397745	5524.566175
390	0.157376937	0.939603264	0.159819812	0.1	0.82	0.263415015	3.160786007	5527.726961
390.2	0.157466336	0.940137014	0.159839454	0.1	0.82	0.263447388	3.161174418	5530.888135
390.4	0.157555746	0.940670829	0.159859104	0.1	0.82	0.263479775	3.161562978	5534.049698
390.6	0.157645168	0.94120471	0.159878761	0.1	0.82	0.263512173	3.161951688	5537.21165
390.8	0.1577346	0.941738657	0.159898425	0.1	0.82	0.263544585	3.162340547	5540.37399
391	0.157824044	0.94227267	0.159918097	0.1	0.82	0.263577008	3.162729556	5543.53672
391.2	0.157913498	0.942806749	0.159937777	0.1	0.82	0.263609444	3.163118715	5546.699839
391.4	0.158002964	0.943340894	0.159957464	0.1	0.82	0.263641893	3.163508023	5549.863347
391.6	0.15809244	0.943875105	0.159977159	0.1	0.82	0.263674354	3.163897481	5553.027244
391.8	0.158181928	0.944409382	0.159996862	0.1	0.82	0.263706828	3.164287089	5556.191531
392	0.158271427	0.944943725	0.160016572	0.1	0.82	0.263739314	3.164676848	5559.356208
392.2	0.158360936	0.945478135	0.160036289	0.1	0.82	0.263771812	3.165066756	5562.521275
392.4	0.158450457	0.94601261	0.160056015	0.1	0.82	0.263804324	3.165456815	5565.686732
392.6	0.158539989	0.946547151	0.160075748	0.1	0.82	0.263836847	3.165847024	5568.852579
392.8	0.158629532	0.947081759	0.160095488	0.1	0.82	0.263869383	3.166237384	5572.018816
393	0.158719086	0.947616433	0.160115236	0.1	0.82	0.263901932	3.166627894	5575.185444
393.2	0.158808651	0.948151173	0.160134992	0.1	0.82	0.263934494	3.167018555	5578.352463
393.4	0.158898228	0.948685979	0.160154755	0.1	0.82	0.263967068	3.167409367	5581.519872
393.6	0.158987815	0.949220852	0.160174526	0.1	0.82	0.263999654	3.16780033	5584.687672
393.8	0.159077414	0.949755791	0.160194305	0.1	0.82	0.264032253	3.168191443	5587.855864
394	0.159167023	0.950290796	0.160214091	0.1	0.82	0.264064865	3.168582708	5591.024446
394.2	0.159256644	0.950825867	0.160233885	0.1	0.82	0.264097489	3.168974124	5594.193421
394.4	0.159346276	0.951361005	0.160253686	0.1	0.82	0.264130126	3.169365691	5597.362786
394.6	0.159435919	0.95189621	0.160273496	0.1	0.82	0.264162776	3.169757409	5600.532544
394.8	0.159525573	0.952431481	0.160293313	0.1	0.82	0.264195438	3.170149279	5603.702693
395	0.159615238	0.952966818	0.160313137	0.1	0.82	0.264228112	3.170541301	5606.873234
395.2	0.159704914	0.953502221	0.160332969	0.1	0.82	0.2642608	3.170933474	5610.044168
395.4	0.159794602	0.954037692	0.160352809	0.1	0.82	0.2642935	3.171325799	5613.215494
395.6	0.159884301	0.954573228	0.160372657	0.1	0.82	0.264326213	3.171718276	5616.387212
395.8	0.15997401	0.955108832	0.160392512	0.1	0.82	0.264358938	3.172110904	5619.559323
396	0.160063731	0.955644502	0.160412375	0.1	0.82	0.264391676	3.172503685	5622.731826
396.2	0.160153463	0.956180238	0.160432245	0.1	0.82	0.264424427	3.172896618	5625.904723
396.4	0.160243207	0.956716041	0.160452124	0.1	0.82	0.26445719	3.173289703	5629.078013
396.6	0.160332961	0.957251911	0.16047201	0.1	0.82	0.264489966	3.173682941	5632.251696
396.8	0.160422727	0.957787847	0.160491903	0.1	0.82	0.264522755	3.174076331	5635.425772
397	0.160512503	0.958323851	0.160511805	0.1	0.82	0.264555557	3.174469873	5638.600242
397.2	0.160602291	0.958859921	0.160531714	0.1	0.82	0.264588371	3.174863569	5641.775105
397.4	0.160692091	0.959396057	0.160551631	0.1	0.82	0.264621198	3.175257417	5644.950363
397.6	0.160781901	0.959932261	0.160571556	0.1	0.82	0.264654038	3.175651417	5648.126014
397.8	0.160871722	0.960468531	0.160591488	0.1	0.82	0.264686891	3.176045571	5651.30206
398	0.160961555	0.961004868	0.160611428	0.1	0.82	0.264719756	3.176439878	5654.4785
398.2	0.161051399	0.961541272	0.160631376	0.1	0.82	0.264752634	3.176834338	5657.655334
398.4	0.161141254	0.962077743	0.160651332	0.1	0.82	0.264785525	3.177228951	5660.832563
398.6	0.16123112	0.962614281	0.160671295	0.1	0.82	0.264818428	3.177623718	5664.010187
398.8	0.161320998	0.963150886	0.160691266	0.1	0.82	0.264851345	3.178018638	5667.188205
399	0.161410887	0.963687557	0.160711245	0.1	0.82	0.264884274	3.178413711	5670.366619

399.2	0.161500787	0.964224296	0.160731232	0.1	0.82	0.264917216	3.178808939	5673.545428
399.4	0.161590698	0.964761102	0.160751226	0.1	0.82	0.264950171	3.17920432	5676.724632
399.6	0.16168062	0.965297975	0.160771228	0.1	0.82	0.264983138	3.179599854	5679.904232
399.8	0.161770554	0.965834915	0.160791238	0.1	0.82	0.265016119	3.179995543	5683.084228
400	0.161860499	0.966371922	0.160811256	0.1	0.82	0.265049112	3.180391386	5686.264619
400.2	0.161950455	0.966908996	0.160831282	0.1	0.82	0.265082118	3.180787383	5689.445407
400.4	0.162040422	0.967446137	0.160851315	0.1	0.82	0.265115137	3.181183534	5692.62659
400.6	0.162130401	0.967983345	0.160871356	0.1	0.82	0.265148169	3.18157984	5695.80817
400.8	0.162220391	0.968520621	0.160891405	0.1	0.82	0.265181214	3.1819763	5698.990146
401	0.162310392	0.969057964	0.160911462	0.1	0.82	0.265214272	3.182372914	5702.172519
401.2	0.162400404	0.969595374	0.160931527	0.1	0.82	0.265247342	3.182769684	5705.355289
401.4	0.162490428	0.970132852	0.160951599	0.1	0.82	0.265280426	3.183166608	5708.538455
401.6	0.162580463	0.970670396	0.160971679	0.1	0.82	0.265313522	3.183563687	5711.722019
401.8	0.162670509	0.971208008	0.160991768	0.1	0.82	0.265346631	3.183960921	5714.90598
402	0.162760567	0.971745688	0.161011864	0.1	0.82	0.265379754	3.184358309	5718.090338
402.2	0.162850636	0.972283435	0.161031967	0.1	0.82	0.265412889	3.184755854	5721.275094
402.4	0.162940716	0.972821249	0.161052079	0.1	0.82	0.265446037	3.185153553	5724.460248
402.6	0.163030807	0.973359131	0.161072199	0.1	0.82	0.265479198	3.185551408	5727.645799
402.8	0.16312091	0.97389708	0.161092326	0.1	0.82	0.265512372	3.185949418	5730.831749
403	0.163211024	0.974435097	0.161112461	0.1	0.82	0.265545559	3.186347584	5734.018096
403.2	0.163301149	0.974973181	0.161132604	0.1	0.82	0.265578759	3.186745905	5737.204842
403.4	0.163391286	0.975511333	0.161152756	0.1	0.82	0.265611972	3.187144382	5740.391986
403.6	0.163481434	0.976049552	0.161172914	0.1	0.82	0.265645198	3.187543015	5743.579529
403.8	0.163571593	0.976587839	0.161193081	0.1	0.82	0.265678437	3.187941805	5746.767471
404	0.163661764	0.977126194	0.161213256	0.1	0.82	0.265711688	3.18834075	5749.955812
404.2	0.163751946	0.977664616	0.161233439	0.1	0.82	0.265744953	3.188739851	5753.144552
404.4	0.163842139	0.978203106	0.161253629	0.1	0.82	0.265778231	3.189139109	5756.333691
404.6	0.163932343	0.978741664	0.161273827	0.1	0.82	0.265811522	3.189538523	5759.523229
404.8	0.164022559	0.979280289	0.161294034	0.1	0.82	0.265844826	3.189938093	5762.713168
405	0.164112787	0.979818982	0.161314248	0.1	0.82	0.265878144	3.190337821	5765.903505
405.2	0.164203025	0.980357743	0.16133447	0.1	0.82	0.265911474	3.190737705	5769.094243
405.4	0.164293275	0.980896572	0.1613547	0.1	0.82	0.265944817	3.191137745	5772.285381
405.6	0.164383537	0.981435468	0.161374938	0.1	0.82	0.265978173	3.191537943	5775.476919
405.8	0.16447381	0.981974433	0.161395184	0.1	0.82	0.266011543	3.191938297	5778.668857
406	0.164564094	0.982513465	0.161415438	0.1	0.82	0.266044925	3.192338809	5781.861196
406.2	0.164654389	0.983052566	0.1614357	0.1	0.82	0.266078321	3.192739478	5785.053935
406.4	0.164744696	0.983591734	0.16145597	0.1	0.82	0.26611173	3.193140304	5788.247076
406.6	0.164835014	0.98413097	0.161476248	0.1	0.82	0.266145152	3.193541288	5791.440617
406.8	0.164925344	0.984670274	0.161496534	0.1	0.82	0.266178587	3.193942429	5794.634559
407	0.165015685	0.985209647	0.161516827	0.1	0.82	0.266212035	3.194343728	5797.828903
407.2	0.165106038	0.985749087	0.161537129	0.1	0.82	0.266245496	3.194745185	5801.023648
407.4	0.165196401	0.986288595	0.161557439	0.1	0.82	0.266278971	3.195146799	5804.218795
407.6	0.165286777	0.986828172	0.161577756	0.1	0.82	0.266312458	3.195548572	5807.414344
407.8	0.165377163	0.987367817	0.161598082	0.1	0.82	0.266345959	3.195950502	5810.610294
408	0.165467562	0.98790753	0.161618416	0.1	0.82	0.266379473	3.196352591	5813.806647
408.2	0.165557971	0.988447311	0.161638757	0.1	0.82	0.266413	3.196754838	5817.003402
408.4	0.165648392	0.98898716	0.161659107	0.1	0.82	0.26644654	3.197157243	5820.200559
408.6	0.165738824	0.989527077	0.161679465	0.1	0.82	0.266480094	3.197559807	5823.398119
408.8	0.165829268	0.990067063	0.161699831	0.1	0.82	0.266513661	3.197962529	5826.596081
409	0.165919724	0.990607117	0.161720204	0.1	0.82	0.266547241	3.19836541	5829.794447
409.2	0.16601019	0.99114724	0.161740586	0.1	0.82	0.266580834	3.19876845	5832.993215
409.4	0.166100668	0.99168743	0.161760976	0.1	0.82	0.266614441	3.199171649	5836.192387
409.6	0.166191158	0.99222769	0.161781374	0.1	0.82	0.26664806	3.199575006	5839.391962

409.8	0.166281659	0.992768017	0.16180178	0.1	0.82	0.266681693	3.199978523	5842.59194
410	0.166372172	0.993308413	0.161822194	0.1	0.82	0.26671534	3.200382199	5845.792322
410.2	0.166462696	0.993848878	0.161842616	0.1	0.82	0.266748999	3.200786034	5848.993108
410.4	0.166553231	0.994389411	0.161863046	0.1	0.82	0.266782672	3.201190029	5852.194298
410.6	0.166643778	0.994930012	0.161883484	0.1	0.82	0.266816358	3.201594183	5855.395893
410.8	0.166734336	0.995470682	0.16190393	0.1	0.82	0.266850058	3.201998497	5858.597891
411	0.166824906	0.996011421	0.161924385	0.1	0.82	0.266883771	3.202402971	5861.800294
411.2	0.166915488	0.996552228	0.161944847	0.1	0.82	0.266917497	3.202807604	5865.003102
411.4	0.167006081	0.997093104	0.161965317	0.1	0.82	0.266951236	3.203212398	5868.206314
411.6	0.167096685	0.997634048	0.161985796	0.1	0.82	0.266984989	3.203617351	5871.409931
411.8	0.167187301	0.998175061	0.162006283	0.1	0.82	0.267018755	3.204022465	5874.613954
412	0.167277928	0.998716143	0.162026777	0.1	0.82	0.267052535	3.204427739	5877.818382
412.2	0.167368567	0.999257294	0.16204728	0.1	0.82	0.267086328	3.204833173	5881.023215
412.4	0.167459218	0.999798513	0.162067791	0.1	0.82	0.267120134	3.205238768	5884.228454
412.6	0.16754988	1.000339801	0.162088311	0.1	0.82	0.267153953	3.205644523	5887.434098
412.8	0.167640553	1.000881158	0.162108838	0.1	0.82	0.267187786	3.206050439	5890.640149
413	0.167731238	1.001422584	0.162129373	0.1	0.82	0.267221633	3.206456516	5893.846605
413.2	0.167821935	1.001964079	0.162149917	0.1	0.82	0.267255493	3.206862754	5897.053468
413.4	0.167912643	1.002505642	0.162170468	0.1	0.82	0.267289366	3.207269153	5900.260737
413.6	0.168003362	1.003047275	0.162191028	0.1	0.82	0.267323253	3.207675713	5903.468413
413.8	0.168094094	1.003588976	0.162211596	0.1	0.82	0.267357153	3.208082434	5906.676495
414	0.168184836	1.004130747	0.162232172	0.1	0.82	0.267391066	3.208489316	5909.884984
414.2	0.168275591	1.004672586	0.162252757	0.1	0.82	0.267424994	3.20889636	5913.093881
414.4	0.168366356	1.005214495	0.162273349	0.1	0.82	0.267458934	3.209303566	5916.303184
414.6	0.168457134	1.005756472	0.16229395	0.1	0.82	0.267492888	3.209710933	5919.512895
414.8	0.168547923	1.006298519	0.162314559	0.1	0.82	0.267526856	3.210118462	5922.723014
415	0.168638723	1.006840635	0.162335176	0.1	0.82	0.267560837	3.210526153	5925.93354
415.2	0.168729536	1.00738282	0.162355801	0.1	0.82	0.267594831	3.210934005	5929.144474
415.4	0.168820359	1.007925074	0.162376434	0.1	0.82	0.267628839	3.21134202	5932.355816
415.6	0.168911195	1.008467397	0.162397076	0.1	0.82	0.267662861	3.211750197	5935.567566
415.8	0.169002042	1.00900979	0.162417726	0.1	0.82	0.267696896	3.212158537	5938.779725
416	0.1690929	1.009552251	0.162438384	0.1	0.82	0.267730944	3.212567039	5941.992292
416.2	0.16918377	1.010094783	0.16245905	0.1	0.82	0.267765006	3.212975703	5945.205267
416.4	0.169274652	1.010637383	0.162479725	0.1	0.82	0.267799082	3.21338453	5948.418652
416.6	0.169365545	1.011180053	0.162500407	0.1	0.82	0.267833171	3.21379352	5951.632445
416.8	0.16945645	1.011722792	0.162521098	0.1	0.82	0.267867274	3.214202672	5954.846648
417	0.169547367	1.0122656	0.162541797	0.1	0.82	0.267901391	3.214611988	5958.06126
417.2	0.169638295	1.012808478	0.162562505	0.1	0.82	0.267935521	3.215021466	5961.276282
417.4	0.169729235	1.013351426	0.162583221	0.1	0.82	0.267969664	3.215431108	5964.491713
417.6	0.169820187	1.013894443	0.162603945	0.1	0.82	0.268003821	3.215840913	5967.707554
417.8	0.16991115	1.014437529	0.162624677	0.1	0.82	0.268037992	3.216250882	5970.923805
418	0.170002125	1.014980685	0.162645417	0.1	0.82	0.268072177	3.216661014	5974.140466
418.2	0.170093111	1.01552391	0.162666166	0.1	0.82	0.268106375	3.21707131	5977.357537
418.4	0.170184109	1.016067205	0.162686923	0.1	0.82	0.268140587	3.217481769	5980.575019
418.6	0.170275119	1.01661057	0.162707688	0.1	0.82	0.268174812	3.217892392	5983.792911
418.8	0.17036614	1.017154004	0.162728462	0.1	0.82	0.268209051	3.218303179	5987.011214
419	0.170457173	1.017697508	0.162749244	0.1	0.82	0.268243304	3.21871413	5990.229928
419.2	0.170548218	1.018241082	0.162770034	0.1	0.82	0.26827757	3.219125246	5993.449054
419.4	0.170639275	1.018784726	0.162790833	0.1	0.82	0.268311851	3.219536526	5996.66859
419.6	0.170730343	1.019328439	0.16281164	0.1	0.82	0.268346144	3.21994797	5999.888538
419.8	0.170821423	1.019872222	0.162832455	0.1	0.82	0.268380452	3.220359578	6003.108898
420	0.170912514	1.020416075	0.162853278	0.1	0.82	0.268414773	3.220771351	6006.329669
420.2	0.171003617	1.020959997	0.16287411	0.1	0.82	0.268449108	3.221183289	6009.550852

420.4	0.171094732	1.02150399	0.16289495	0.1	0.82	0.268483457	3.221595392	6012.772448
420.6	0.171185859	1.022048052	0.162915799	0.1	0.82	0.26851782	3.22200766	6015.994455
420.8	0.171276997	1.022592185	0.162936656	0.1	0.82	0.268552196	3.222420092	6019.216875
421	0.171368147	1.023136387	0.162957521	0.1	0.82	0.268586586	3.22283269	6022.439708
421.2	0.171459309	1.023680659	0.162978394	0.1	0.82	0.26862099	3.223245453	6025.662954
421.4	0.171550483	1.024225001	0.162999276	0.1	0.82	0.268655407	3.223658382	6028.886612
421.6	0.171641668	1.024769414	0.163020167	0.1	0.82	0.268689839	3.224071476	6032.110683
421.8	0.171732865	1.025313896	0.163041065	0.1	0.82	0.268724284	3.224484736	6035.335168
422	0.171824074	1.025858449	0.163061972	0.1	0.82	0.268758743	3.224898161	6038.560066
422.2	0.171915294	1.026403071	0.163082888	0.1	0.82	0.268793216	3.225311752	6041.785378
422.4	0.172006526	1.026947764	0.163103812	0.1	0.82	0.268827702	3.225725509	6045.011104
422.6	0.17209777	1.027492527	0.163124744	0.1	0.82	0.268862203	3.226139433	6048.237243
422.8	0.172189026	1.02803736	0.163145685	0.1	0.82	0.268896717	3.226553522	6051.463797
423	0.172280293	1.028582264	0.163166634	0.1	0.82	0.268931246	3.226967778	6054.690764
423.2	0.172371573	1.029127237	0.163187591	0.1	0.82	0.268965788	3.2273822	6057.918147
423.4	0.172462864	1.029672281	0.163208557	0.1	0.82	0.269000344	3.227796788	6061.145943
423.6	0.172554166	1.030217396	0.163229531	0.1	0.82	0.269034914	3.228211544	6064.374155
423.8	0.172645481	1.03076258	0.163250514	0.1	0.82	0.269069497	3.228626465	6067.602781
424	0.172736807	1.031307835	0.163271505	0.1	0.82	0.269104095	3.229041554	6070.831823
424.2	0.172828146	1.031853161	0.163292505	0.1	0.82	0.269138707	3.22945681	6074.06128
424.4	0.172919496	1.032398557	0.163313513	0.1	0.82	0.269173332	3.229872233	6077.291152
424.6	0.173010857	1.032944023	0.16333453	0.1	0.82	0.269207972	3.230287823	6080.52144
424.8	0.173102231	1.03348956	0.163355555	0.1	0.82	0.269242625	3.23070358	6083.752143
425	0.173193616	1.034035167	0.163376588	0.1	0.82	0.269277292	3.231119505	6086.983263
425.2	0.173285014	1.034580845	0.16339763	0.1	0.82	0.269311974	3.231535597	6090.214798
425.4	0.173376423	1.035126594	0.16341868	0.1	0.82	0.269346669	3.231951857	6093.44675
425.6	0.173467843	1.035672413	0.163439739	0.1	0.82	0.269381378	3.232368284	6096.679119
425.8	0.173559276	1.036218302	0.163460807	0.1	0.82	0.269416102	3.23278488	6099.911903
426	0.173650721	1.036764263	0.163481883	0.1	0.82	0.269450839	3.233201643	6103.145105
426.2	0.173742177	1.037310294	0.163502967	0.1	0.82	0.26948559	3.233618575	6106.378724
426.4	0.173833645	1.037856396	0.16352406	0.1	0.82	0.269520356	3.234035675	6109.612759
426.6	0.173925125	1.038402568	0.163545161	0.1	0.82	0.269555135	3.234452943	6112.847212
426.8	0.174016617	1.038948812	0.163566271	0.1	0.82	0.269589928	3.234870379	6116.082083
427	0.174108121	1.039495126	0.16358739	0.1	0.82	0.269624736	3.235287984	6119.317371
427.2	0.174199637	1.040041511	0.163608517	0.1	0.82	0.269659557	3.235705758	6122.553076
427.4	0.174291164	1.040587967	0.163629652	0.1	0.82	0.269694393	3.2361237	6125.7892
427.6	0.174382704	1.041134493	0.163650796	0.1	0.82	0.269729242	3.236541812	6129.025742
427.8	0.174474255	1.041681091	0.163671949	0.1	0.82	0.269764106	3.236960092	6132.262702
428	0.174565818	1.04222776	0.16369311	0.1	0.82	0.269798984	3.237378541	6135.500081
428.2	0.174657393	1.042774499	0.16371428	0.1	0.82	0.269833876	3.23779716	6138.737878
428.4	0.17474898	1.04332131	0.163735458	0.1	0.82	0.269868782	3.238215948	6141.976094
428.6	0.174840579	1.043868192	0.163756645	0.1	0.82	0.269903702	3.238634906	6145.214729
428.8	0.17493219	1.044415144	0.16377784	0.1	0.82	0.269938637	3.239054033	6148.453783
429	0.175023812	1.044962168	0.163799044	0.1	0.82	0.269973585	3.23947333	6151.693256
429.2	0.175115447	1.045509263	0.163820257	0.1	0.82	0.270008548	3.239892796	6154.933149
429.4	0.175207093	1.046056429	0.163841478	0.1	0.82	0.270043524	3.240312433	6158.173461
429.6	0.175298752	1.046603666	0.163862708	0.1	0.82	0.270078515	3.240732239	6161.414193
429.8	0.175390422	1.047150975	0.163883946	0.1	0.82	0.270113521	3.241152216	6164.655346
430	0.175482104	1.047698355	0.163905194	0.1	0.82	0.27014854	3.241572363	6167.896918
430.2	0.175573798	1.048245806	0.163926449	0.1	0.82	0.270183573	3.241992681	6171.138911
430.4	0.175665504	1.048793328	0.163947713	0.1	0.82	0.270218621	3.242413169	6174.381324
430.6	0.175757223	1.049340922	0.163968986	0.1	0.82	0.270253683	3.242833827	6177.624158
430.8	0.175848953	1.049888587	0.163990268	0.1	0.82	0.270288759	3.243254656	6180.867412

431	0.175940695	1.050436323	0.164011558	0.1	0.82	0.27032385	3.243675656	6184.111088
431.2	0.176032449	1.050984131	0.164032857	0.1	0.82	0.270358955	3.244096828	6187.355185
431.4	0.176124214	1.05153201	0.164054164	0.1	0.82	0.270394074	3.24451817	6190.599703
431.6	0.176215992	1.052079961	0.16407548	0.1	0.82	0.270429207	3.244939683	6193.844643
431.8	0.176307782	1.052627983	0.164096805	0.1	0.82	0.270464354	3.245361368	6197.090004
432	0.176399584	1.053176077	0.164118139	0.1	0.82	0.270499516	3.245783224	6200.335787
432.2	0.176491398	1.053724242	0.164139481	0.1	0.82	0.270534692	3.246205252	6203.581992
432.4	0.176583224	1.054272479	0.164160832	0.1	0.82	0.270569883	3.246627451	6206.82862
432.6	0.176675062	1.054820787	0.164182191	0.1	0.82	0.270605088	3.247049822	6210.07567
432.8	0.176766911	1.055369168	0.164203559	0.1	0.82	0.270640307	3.247472365	6213.323142
433	0.176858773	1.055917619	0.164224936	0.1	0.82	0.27067554	3.247895081	6216.571037
433.2	0.176950647	1.056466143	0.164246322	0.1	0.82	0.270710788	3.248317968	6219.819355
433.4	0.177042533	1.057014738	0.164267716	0.1	0.82	0.27074605	3.248741027	6223.068096
433.6	0.177134431	1.057563405	0.164289119	0.1	0.82	0.270781327	3.249164259	6226.31726
433.8	0.177226341	1.058112144	0.164310531	0.1	0.82	0.270816617	3.249587664	6229.566848
434	0.177318263	1.058660955	0.164331952	0.1	0.82	0.270851923	3.250011241	6232.816859
434.2	0.177410197	1.059209837	0.164353381	0.1	0.82	0.270887242	3.250434991	6236.067294
434.4	0.177502143	1.059758792	0.164374819	0.1	0.82	0.270922576	3.250858913	6239.318153
434.6	0.177594101	1.060307818	0.164396266	0.1	0.82	0.270957925	3.251283009	6242.569436
434.8	0.177686071	1.060856916	0.164417721	0.1	0.82	0.270993288	3.251707277	6245.821144
435	0.177778053	1.061406087	0.164439185	0.1	0.82	0.271028665	3.252131719	6249.073275
435.2	0.177870047	1.061955329	0.164460658	0.1	0.82	0.271064057	3.252556334	6252.325832
435.4	0.177962053	1.062504643	0.16448214	0.1	0.82	0.271099463	3.252981123	6255.578813
435.6	0.178054072	1.06305403	0.164503631	0.1	0.82	0.271134884	3.253406085	6258.832219
435.8	0.178146102	1.063603488	0.16452513	0.1	0.82	0.271170319	3.253831221	6262.08605
436	0.178238145	1.064153019	0.164546638	0.1	0.82	0.271205769	3.254256531	6265.340307
436.2	0.178330199	1.064702621	0.164568155	0.1	0.82	0.271241233	3.254682015	6268.594989
436.4	0.178422266	1.065252296	0.164589681	0.1	0.82	0.271276712	3.255107672	6271.850096
436.6	0.178514345	1.065802043	0.164611215	0.1	0.82	0.271312205	3.255533504	6275.10563
436.8	0.178606436	1.066351863	0.164632759	0.1	0.82	0.271347713	3.25595951	6278.361589
437	0.178698538	1.066901754	0.164654311	0.1	0.82	0.271383235	3.256385691	6281.617975
437.2	0.178790654	1.067451718	0.164675872	0.1	0.82	0.271418772	3.256812046	6284.874787
437.4	0.178882781	1.068001754	0.164697442	0.1	0.82	0.271454324	3.257238575	6288.132026
437.6	0.17897492	1.068551863	0.164719021	0.1	0.82	0.27148989	3.25766528	6291.389691
437.8	0.179067072	1.069102044	0.164740608	0.1	0.82	0.27152547	3.258092159	6294.647783
438	0.179159235	1.069652297	0.164762204	0.1	0.82	0.271561065	3.258519214	6297.906302
438.2	0.179251411	1.070202623	0.16478381	0.1	0.82	0.271596675	3.258946443	6301.165249
438.4	0.179343599	1.070753021	0.164805424	0.1	0.82	0.271632299	3.259373848	6304.424623
438.6	0.179435799	1.071303492	0.164827047	0.1	0.82	0.271667938	3.259801428	6307.684424
438.8	0.179528011	1.071854035	0.164848679	0.1	0.82	0.271703592	3.260229183	6310.944653
439	0.179620235	1.072404651	0.164870319	0.1	0.82	0.27173926	3.260657115	6314.20531
439.2	0.179712472	1.07295534	0.164891969	0.1	0.82	0.271774943	3.261085221	6317.466395
439.4	0.17980472	1.073506101	0.164913627	0.1	0.82	0.271810641	3.261513504	6320.727909
439.6	0.179896981	1.074056935	0.164935295	0.1	0.82	0.271846353	3.261941963	6323.989851
439.8	0.179989254	1.074607841	0.164956971	0.1	0.82	0.27188208	3.262370598	6327.252222
440	0.180081539	1.075158821	0.164978656	0.1	0.82	0.271917822	3.262799409	6330.515021
440.2	0.180173836	1.075709872	0.165000351	0.1	0.82	0.271953578	3.263228396	6333.778249
440.4	0.180266146	1.076260997	0.165022054	0.1	0.82	0.271989349	3.26365756	6337.041907
440.6	0.180358468	1.076812195	0.165043766	0.1	0.82	0.272025135	3.2640869	6340.305994
440.8	0.180450801	1.077363465	0.165065487	0.1	0.82	0.272060935	3.264516417	6343.57051
441	0.180543148	1.077914808	0.165087216	0.1	0.82	0.27209675	3.264946111	6346.835456
441.2	0.180635506	1.078466224	0.165108955	0.1	0.82	0.27213258	3.265375982	6350.100832
441.4	0.180727876	1.079017714	0.165130703	0.1	0.82	0.272168425	3.26580603	6353.366638

441.6	0.180820259	1.079569276	0.16515246	0.1	0.82	0.272204284	3.266236255	6356.632875
441.8	0.180912654	1.080120911	0.165174226	0.1	0.82	0.272240159	3.266666658	6359.899541
442	0.181005061	1.080672619	0.165196	0.1	0.82	0.272276048	3.267097238	6363.166638
442.2	0.181097481	1.0812244	0.165217784	0.1	0.82	0.272311952	3.267527995	6366.434166
442.4	0.181189913	1.081776254	0.165239577	0.1	0.82	0.27234787	3.26795893	6369.702125
442.6	0.181282356	1.082328181	0.165261378	0.1	0.82	0.272383804	3.268390043	6372.970515
442.8	0.181374813	1.082880181	0.165283189	0.1	0.82	0.272419752	3.268821334	6376.239337
443	0.181467281	1.083432255	0.165305009	0.1	0.82	0.272455715	3.269252803	6379.50859
443.2	0.181559762	1.083984402	0.165326837	0.1	0.82	0.272491693	3.26968445	6382.778274
443.4	0.181652255	1.084536622	0.165348675	0.1	0.82	0.272527686	3.270116275	6386.04839
443.6	0.18174476	1.085088915	0.165370522	0.1	0.82	0.272563694	3.270548279	6389.318939
443.8	0.181837277	1.085641282	0.165392377	0.1	0.82	0.272599716	3.270980462	6392.589919
444	0.181929807	1.086193721	0.165414242	0.1	0.82	0.272635754	3.271412823	6395.861332
444.2	0.182022349	1.086746235	0.165436116	0.1	0.82	0.272671806	3.271845363	6399.133177
444.4	0.182114904	1.087298821	0.165457999	0.1	0.82	0.272707874	3.272278081	6402.405455
444.6	0.18220747	1.087851481	0.165479891	0.1	0.82	0.272743956	3.272710979	6405.678166
444.8	0.182300049	1.088404215	0.165501792	0.1	0.82	0.272780053	3.273144056	6408.95131
445	0.182392641	1.088957022	0.165523702	0.1	0.82	0.272816165	3.273577312	6412.224888
445.2	0.182485244	1.089509902	0.165545621	0.1	0.82	0.272852293	3.274010748	6415.498898
445.4	0.18257786	1.090062856	0.165567549	0.1	0.82	0.272888435	3.274444363	6418.773343
445.6	0.182670488	1.090615884	0.165589487	0.1	0.82	0.272924592	3.274878158	6422.048221
445.8	0.182763129	1.091168985	0.165611433	0.1	0.82	0.272960764	3.275312133	6425.323533
446	0.182855782	1.091722159	0.165633388	0.1	0.82	0.272996951	3.275746288	6428.599279
446.2	0.182948447	1.092275408	0.165655353	0.1	0.82	0.273033153	3.276180622	6431.87546
446.4	0.183041125	1.09282873	0.165677327	0.1	0.82	0.27306937	3.276615137	6435.152075
446.6	0.183133814	1.093382126	0.16569931	0.1	0.82	0.273105602	3.277049832	6438.429125
446.8	0.183226517	1.093935595	0.165721302	0.1	0.82	0.273141849	3.277484708	6441.70661
447	0.183319231	1.094489139	0.165743303	0.1	0.82	0.273178111	3.277919764	6444.984529
447.2	0.183411958	1.095042756	0.165765313	0.1	0.82	0.273214389	3.278355001	6448.262884
447.4	0.183504698	1.095596447	0.165787332	0.1	0.82	0.273250681	3.278790418	6451.541675
447.6	0.183597449	1.096150212	0.165809361	0.1	0.82	0.273286988	3.279226017	6454.820901
447.8	0.183690213	1.09670405	0.165831398	0.1	0.82	0.273323311	3.279661796	6458.100563
448	0.18378299	1.097257963	0.165853445	0.1	0.82	0.273359649	3.280097757	6461.38066
448.2	0.183875779	1.09781195	0.165875501	0.1	0.82	0.273396001	3.280533899	6464.661194
448.4	0.18396858	1.09836601	0.165897567	0.1	0.82	0.273432369	3.280970222	6467.942165
448.6	0.184061394	1.098920145	0.165919641	0.1	0.82	0.273468752	3.281406727	6471.223571
448.8	0.18415422	1.099474354	0.165941724	0.1	0.82	0.27350515	3.281843414	6474.505415
449	0.184247058	1.100028637	0.165963817	0.1	0.82	0.273541564	3.282280283	6477.787695
449.2	0.184339909	1.100582994	0.165985919	0.1	0.82	0.273577992	3.282717333	6481.070412
449.4	0.184432772	1.101137425	0.16600803	0.1	0.82	0.273614436	3.283154566	6484.353567
449.6	0.184525648	1.10169193	0.166030151	0.1	0.82	0.273650894	3.28359198	6487.637159
449.8	0.184618536	1.10224651	0.16605228	0.1	0.82	0.273687368	3.284029577	6490.921188
450	0.184711437	1.102801163	0.166074419	0.1	0.82	0.273723858	3.284467357	6494.205656
450.2	0.18480435	1.103355891	0.166096567	0.1	0.82	0.273760362	3.284905319	6497.490561
450.4	0.184897276	1.103910694	0.166118725	0.1	0.82	0.273796882	3.285343464	6500.775905
450.6	0.184990213	1.10446557	0.166140891	0.1	0.82	0.273833417	3.285781791	6504.061686
450.8	0.185083164	1.105020521	0.166163067	0.1	0.82	0.273869967	3.286220302	6507.347907
451	0.185176127	1.105575547	0.166185252	0.1	0.82	0.273906532	3.286658996	6510.634566
451.2	0.185269102	1.106130647	0.166207446	0.1	0.82	0.273943113	3.287097873	6513.921664
451.4	0.18536209	1.106685821	0.16622965	0.1	0.82	0.273979709	3.287536933	6517.2092
451.6	0.18545509	1.10724107	0.166251863	0.1	0.82	0.27401632	3.287976177	6520.497177
451.8	0.185548103	1.107796393	0.166274085	0.1	0.82	0.274052947	3.288415604	6523.785592
452	0.185641128	1.108351791	0.166296317	0.1	0.82	0.274089589	3.288855215	6527.074447

452.2	0.185734166	1.108907264	0.166318557	0.1	0.82	0.274126246	3.28929501	6530.363742
452.4	0.185827216	1.109462811	0.166340807	0.1	0.82	0.274162919	3.289734989	6533.653477
452.6	0.185920279	1.110018432	0.166363067	0.1	0.82	0.274199607	3.290175152	6536.943653
452.8	0.186013354	1.110574129	0.166385335	0.1	0.82	0.27423631	3.290615499	6540.234268
453	0.186106442	1.1111299	0.166407613	0.1	0.82	0.274273029	3.291056031	6543.525324
453.2	0.186199542	1.111685746	0.166429901	0.1	0.82	0.274309763	3.291496747	6546.816821
453.4	0.186292655	1.112241667	0.166452198	0.1	0.82	0.274346512	3.291937648	6550.108759
453.6	0.18638578	1.112797662	0.166474504	0.1	0.82	0.274383277	3.292378733	6553.401137
453.8	0.186478918	1.113353732	0.166496819	0.1	0.82	0.274420057	3.292820004	6556.693957
454	0.186572068	1.113909877	0.166519144	0.1	0.82	0.274456853	3.293261459	6559.987219
454.2	0.186665231	1.114466098	0.166541478	0.1	0.82	0.274493664	3.2937031	6563.280922
454.4	0.186758407	1.115022393	0.166563821	0.1	0.82	0.27453049	3.294144926	6566.575067
454.6	0.186851595	1.115578763	0.166586174	0.1	0.82	0.274567332	3.294586937	6569.869654
454.8	0.186944796	1.116135208	0.166608537	0.1	0.82	0.27460419	3.295029134	6573.164683
455	0.187038009	1.116691728	0.166630908	0.1	0.82	0.274641063	3.295471517	6576.460154
455.2	0.187131235	1.117248323	0.166653289	0.1	0.82	0.274677951	3.295914086	6579.756068
455.4	0.187224473	1.117804993	0.16667568	0.1	0.82	0.274714855	3.29635684	6583.052425
455.6	0.187317724	1.118361738	0.16669808	0.1	0.82	0.274751775	3.29679978	6586.349225
455.8	0.187410987	1.118918558	0.166720489	0.1	0.82	0.27478871	3.297242907	6589.646468
456	0.187504263	1.119475454	0.166742908	0.1	0.82	0.27482566	3.29768622	6592.944154
456.2	0.187597552	1.120032425	0.166765336	0.1	0.82	0.274862626	3.29812972	6596.242284
456.4	0.187690853	1.120589471	0.166787773	0.1	0.82	0.274899608	3.298573406	6599.540857
456.6	0.187784167	1.121146592	0.16681022	0.1	0.82	0.274936605	3.299017279	6602.839875
456.8	0.187877494	1.121703789	0.166832677	0.1	0.82	0.274973618	3.299461338	6606.139336
457	0.187970833	1.122261061	0.166855143	0.1	0.82	0.275010646	3.299905585	6609.439241
457.2	0.188064185	1.122818408	0.166877618	0.1	0.82	0.27504769	3.300350019	6612.739592
457.4	0.188157549	1.123375831	0.166900103	0.1	0.82	0.27508475	3.30079464	6616.040386
457.6	0.188250926	1.12393333	0.166922597	0.1	0.82	0.275121825	3.301239449	6619.341626
457.8	0.188344316	1.124490903	0.166945101	0.1	0.82	0.275158916	3.301684445	6622.64331
458	0.188437718	1.125048552	0.166967615	0.1	0.82	0.275196022	3.302129628	6625.94544
458.2	0.188531133	1.125606277	0.166990137	0.1	0.82	0.275233144	3.302575	6629.248015
458.4	0.188624561	1.126164078	0.16701267	0.1	0.82	0.275270282	3.303020559	6632.551035
458.6	0.188718001	1.126721954	0.167035212	0.1	0.82	0.275307436	3.303466307	6635.854502
458.8	0.188811454	1.127279905	0.167057763	0.1	0.82	0.275344605	3.303912243	6639.158414
459	0.18890492	1.127837932	0.167080324	0.1	0.82	0.27538179	3.304358367	6642.462772
459.2	0.188998398	1.128396035	0.167102894	0.1	0.82	0.27541899	3.304804679	6645.767577
459.4	0.189091889	1.128954214	0.167125474	0.1	0.82	0.275456206	3.30525118	6649.072828
459.6	0.189185393	1.129512468	0.167148064	0.1	0.82	0.275493439	3.30569787	6652.378526
459.8	0.189278909	1.130070799	0.167170663	0.1	0.82	0.275530686	3.306144749	6655.684671
460	0.189372438	1.130629205	0.167193271	0.1	0.82	0.27556795	3.306591816	6658.991262
460.2	0.18946598	1.131187686	0.16721589	0.1	0.82	0.275605229	3.307039073	6662.298302
460.4	0.189559534	1.131746244	0.167238517	0.1	0.82	0.275642524	3.307486519	6665.605788
460.6	0.189653102	1.132304878	0.167261155	0.1	0.82	0.275679835	3.307934155	6668.913722
460.8	0.189746682	1.132863588	0.167283802	0.1	0.82	0.275717162	3.30838198	6672.222104
461	0.189840274	1.133422373	0.167306458	0.1	0.82	0.275754504	3.308829995	6675.530934
461.2	0.18993388	1.133981235	0.167329124	0.1	0.82	0.275791862	3.309278199	6678.840212
461.4	0.190027498	1.134540173	0.1673518	0.1	0.82	0.275829237	3.309726594	6682.149939
461.6	0.190121129	1.135099187	0.167374485	0.1	0.82	0.275866627	3.310175178	6685.460114
461.8	0.190214772	1.135658276	0.16739718	0.1	0.82	0.275904032	3.310623953	6688.770738
462	0.190308429	1.136217443	0.167419885	0.1	0.82	0.275941454	3.311072918	6692.081811
462.2	0.190402098	1.136776685	0.167442599	0.1	0.82	0.275978892	3.311522074	6695.393333
462.4	0.19049578	1.137336003	0.167465323	0.1	0.82	0.276016345	3.31197142	6698.705304
462.6	0.190589474	1.137895398	0.167488056	0.1	0.82	0.276053814	3.312420957	6702.017725

462.8	0.190683182	1.138454869	0.167510799	0.1	0.82	0.2760913	3.312870685	6705.330596
463	0.190776902	1.139014416	0.167533552	0.1	0.82	0.276128801	3.313320604	6708.643917
463.2	0.190870635	1.13957404	0.167556315	0.1	0.82	0.276166318	3.313770714	6711.957687
463.4	0.190964381	1.14013374	0.167579087	0.1	0.82	0.276203851	3.314221015	6715.271908
463.6	0.19105814	1.140693516	0.167601869	0.1	0.82	0.2762414	3.314671508	6718.58658
463.8	0.191151911	1.141253369	0.16762466	0.1	0.82	0.276278965	3.315122192	6721.901702
464	0.191245695	1.141813299	0.167647462	0.1	0.82	0.276316546	3.315573068	6725.217275
464.2	0.191339492	1.142373305	0.167670273	0.1	0.82	0.276354143	3.316024136	6728.533299
464.4	0.191433302	1.142933387	0.167693093	0.1	0.82	0.276391756	3.316475396	6731.849775
464.6	0.191527125	1.143493546	0.167715924	0.1	0.82	0.276429385	3.316926848	6735.166702
464.8	0.19162096	1.144053781	0.167738764	0.1	0.82	0.27646703	3.317378493	6738.48408
465	0.191714809	1.144614094	0.167761613	0.1	0.82	0.276504691	3.31783033	6741.80191
465.2	0.19180867	1.145174483	0.167784473	0.1	0.82	0.276542368	3.318282359	6745.120193
465.4	0.191902544	1.145734948	0.167807342	0.1	0.82	0.276580062	3.318734581	6748.438927
465.6	0.191996431	1.14629549	0.167830221	0.1	0.82	0.276617771	3.319186995	6751.758114
465.8	0.192090331	1.14685611	0.16785311	0.1	0.82	0.276655496	3.319639603	6755.077754
466	0.192184243	1.147416805	0.167876009	0.1	0.82	0.276693238	3.320092404	6758.397846
466.2	0.192278169	1.147977578	0.167898917	0.1	0.82	0.276730995	3.320545398	6761.718392
466.4	0.192372107	1.148538428	0.167921835	0.1	0.82	0.276768769	3.320998585	6765.03939
466.6	0.192466058	1.149099354	0.167944763	0.1	0.82	0.276806559	3.321451966	6768.360842
466.8	0.192560022	1.149660358	0.167967701	0.1	0.82	0.276844365	3.321905541	6771.682748
467	0.192653999	1.150221438	0.167990648	0.1	0.82	0.276882187	3.322359309	6775.005107
467.2	0.192747989	1.150782596	0.168013606	0.1	0.82	0.276920025	3.322813271	6778.32792
467.4	0.192841992	1.15134383	0.168036573	0.1	0.82	0.27695788	3.323267428	6781.651188
467.6	0.192936008	1.151905142	0.16805955	0.1	0.82	0.27699575	3.323721778	6784.97491
467.8	0.193030037	1.15246653	0.168082537	0.1	0.82	0.277033637	3.324176323	6788.299086
468	0.193124078	1.153027996	0.168105533	0.1	0.82	0.27707154	3.324631063	6791.623717
468.2	0.193218133	1.153589539	0.16812854	0.1	0.82	0.277109459	3.325085996	6794.948803
468.4	0.1933122	1.154151159	0.168151556	0.1	0.82	0.277147395	3.325541125	6798.274344
468.6	0.19340628	1.154712856	0.168174582	0.1	0.82	0.277185347	3.325996449	6801.600341
468.8	0.193500374	1.155274631	0.168197618	0.1	0.82	0.277223315	3.326451968	6804.926793
469	0.19359448	1.155836483	0.168220664	0.1	0.82	0.277261299	3.326907681	6808.2537
469.2	0.193688599	1.156398412	0.16824372	0.1	0.82	0.277299299	3.327363591	6811.581064
469.4	0.193782731	1.156960419	0.168266786	0.1	0.82	0.277337316	3.327819695	6814.908884
469.6	0.193876876	1.157522503	0.168289861	0.1	0.82	0.27737535	3.328275995	6818.23716
469.8	0.193971034	1.158084664	0.168312947	0.1	0.82	0.277413399	3.328732491	6821.565892
470	0.194065205	1.158646903	0.168336042	0.1	0.82	0.277451465	3.329189183	6824.895081
470.2	0.19415939	1.159209219	0.168359148	0.1	0.82	0.277489547	3.329646071	6828.224727
470.4	0.194253587	1.159771613	0.168382263	0.1	0.82	0.277527646	3.330103155	6831.55483
470.6	0.194347797	1.160334085	0.168405388	0.1	0.82	0.27756576	3.330560436	6834.885391
470.8	0.19444202	1.160896634	0.168428523	0.1	0.82	0.277603892	3.331017912	6838.216409
471	0.194536256	1.16145926	0.168451668	0.1	0.82	0.277642039	3.331475586	6841.547884
471.2	0.194630505	1.162021965	0.168474823	0.1	0.82	0.277680203	3.331933456	6844.879818
471.4	0.194724767	1.162584747	0.168497988	0.1	0.82	0.277718384	3.332391523	6848.212209
471.6	0.194819042	1.163147607	0.168521163	0.1	0.82	0.277756581	3.332849787	6851.545059
471.8	0.19491333	1.163710544	0.168544348	0.1	0.82	0.277794794	3.333308248	6854.878367
472	0.195007631	1.16427356	0.168567543	0.1	0.82	0.277833024	3.333766907	6858.212134
472.2	0.195101945	1.164836653	0.168590747	0.1	0.82	0.27787127	3.334225763	6861.54636
472.4	0.195196272	1.165399824	0.168613962	0.1	0.82	0.277909533	3.334684816	6864.881045
472.6	0.195290613	1.165963073	0.168637187	0.1	0.82	0.277947812	3.335144068	6868.216189
472.8	0.195384966	1.1665264	0.168660422	0.1	0.82	0.277986108	3.335603517	6871.551792
473	0.195479332	1.167089805	0.168683667	0.1	0.82	0.27802442	3.336063164	6874.887856
473.2	0.195573712	1.167653288	0.168706922	0.1	0.82	0.278062748	3.336523009	6878.224379

473.4	0.195668104	1.168216849	0.168730187	0.1	0.82	0.278101094	3.336983053	6881.561362
473.6	0.19576251	1.168780488	0.168753462	0.1	0.82	0.278139455	3.337443295	6884.898805
473.8	0.195856928	1.169344205	0.168776747	0.1	0.82	0.278177834	3.337903736	6888.236709
474	0.19595136	1.169908	0.168800042	0.1	0.82	0.278216229	3.338364375	6891.575073
474.2	0.196045805	1.170471873	0.168823347	0.1	0.82	0.27825464	3.338825214	6894.913898
474.4	0.196140263	1.171035825	0.168846662	0.1	0.82	0.278293068	3.339286251	6898.253185
474.6	0.196234734	1.171599855	0.168869987	0.1	0.82	0.278331513	3.339747488	6901.592932
474.8	0.196329218	1.172163963	0.168893323	0.1	0.82	0.278369974	3.340208923	6904.933141
475	0.196423715	1.17272815	0.168916668	0.1	0.82	0.278408452	3.340670559	6908.273812
475.2	0.196518226	1.173292414	0.168940024	0.1	0.82	0.278446947	3.341132394	6911.614944
475.4	0.196612749	1.173856757	0.168963389	0.1	0.82	0.278485458	3.341594428	6914.956538
475.6	0.196707286	1.174421179	0.168986765	0.1	0.82	0.278523986	3.342056663	6918.298595
475.8	0.196801836	1.174985679	0.169010151	0.1	0.82	0.27856253	3.342519098	6921.641114
476	0.196896398	1.175550258	0.169033547	0.1	0.82	0.278601092	3.342981732	6924.984096
476.2	0.196990975	1.176114915	0.169056953	0.1	0.82	0.27863967	3.343444567	6928.32754
476.4	0.197085564	1.17667965	0.169080369	0.1	0.82	0.278678264	3.343907603	6931.671448
476.6	0.197180166	1.177244464	0.169103795	0.1	0.82	0.278716876	3.344370839	6935.015819
476.8	0.197274782	1.177809357	0.169127232	0.1	0.82	0.278755504	3.344834276	6938.360653
477	0.19736941	1.178374328	0.169150679	0.1	0.82	0.278794149	3.345297914	6941.705951
477.2	0.197464052	1.178939378	0.169174136	0.1	0.82	0.27883281	3.345761753	6945.051713
477.4	0.197558707	1.179504507	0.169197603	0.1	0.82	0.278871489	3.346225793	6948.397939
477.6	0.197653376	1.180069715	0.16922108	0.1	0.82	0.278910184	3.346690035	6951.744629
477.8	0.197748057	1.180635001	0.169244567	0.1	0.82	0.278948896	3.347154478	6955.091783
478	0.197842752	1.181200366	0.169268065	0.1	0.82	0.278987625	3.347619123	6958.439402
478.2	0.19793746	1.18176581	0.169291573	0.1	0.82	0.27902637	3.348083969	6961.787486
478.4	0.198032181	1.182331333	0.169315091	0.1	0.82	0.279065133	3.348549018	6965.136035
478.6	0.198126915	1.182896935	0.169338619	0.1	0.82	0.279103912	3.349014268	6968.485049
478.8	0.198221663	1.183462616	0.169362158	0.1	0.82	0.279142708	3.349479721	6971.834529
479	0.198316424	1.184028375	0.169385706	0.1	0.82	0.279181521	3.349945376	6975.184475
479.2	0.198411198	1.184594214	0.169409265	0.1	0.82	0.279220351	3.350411234	6978.534886
479.4	0.198505985	1.185160132	0.169432835	0.1	0.82	0.279259198	3.350877294	6981.885763
479.6	0.198600785	1.185726129	0.169456414	0.1	0.82	0.279298062	3.351343558	6985.237107
479.8	0.198695599	1.186292205	0.169480004	0.1	0.82	0.279336942	3.351810024	6988.588917
480	0.198790426	1.18685836	0.169503604	0.1	0.82	0.27937584	3.352276693	6991.941193
480.2	0.198885266	1.187424595	0.169527214	0.1	0.82	0.279414754	3.352743566	6995.293937
480.4	0.19898012	1.187990909	0.169550835	0.1	0.82	0.279453686	3.353210642	6998.647148
480.6	0.199074987	1.188557302	0.169574466	0.1	0.82	0.279492634	3.353677921	7002.000826
480.8	0.199169867	1.189123774	0.169598107	0.1	0.82	0.2795316	3.354145405	7005.354971
481	0.19926476	1.189690325	0.169621758	0.1	0.82	0.279570582	3.354613092	7008.709584
481.2	0.199359667	1.190256956	0.16964542	0.1	0.82	0.279609582	3.355080983	7012.064665
481.4	0.199454587	1.190823667	0.169669092	0.1	0.82	0.279648598	3.355549079	7015.420214
481.6	0.19954952	1.191390457	0.169692775	0.1	0.82	0.279687632	3.356017378	7018.776231
481.8	0.199644467	1.191957326	0.169716468	0.1	0.82	0.279726682	3.356485883	7022.132717
482	0.199739427	1.192524275	0.169740171	0.1	0.82	0.27976575	3.356954591	7025.489672
482.2	0.1998344	1.193091303	0.169763884	0.1	0.82	0.279804834	3.357423505	7028.847095
482.4	0.199929387	1.193658411	0.169787608	0.1	0.82	0.279843936	3.357892623	7032.204988
482.6	0.200024387	1.194225598	0.169811343	0.1	0.82	0.279883055	3.358361947	7035.56335
482.8	0.2001194	1.194792866	0.169835087	0.1	0.82	0.279922191	3.358831476	7038.922181
483	0.200214427	1.195360213	0.169858842	0.1	0.82	0.279961344	3.35930121	7042.281483
483.2	0.200309467	1.195927639	0.169882608	0.1	0.82	0.280000514	3.35977115	7045.641254
483.4	0.20040452	1.196495146	0.169906384	0.1	0.82	0.280039702	3.360241295	7049.001495
483.6	0.200499587	1.197062732	0.16993017	0.1	0.82	0.280078906	3.360711646	7052.362207
483.8	0.200594667	1.197630398	0.169953967	0.1	0.82	0.280118128	3.361182204	7055.723389

484	0.20068976	1.198198144	0.169977774	0.1	0.82	0.280157367	3.361652967	7059.085042
484.2	0.200784867	1.198765969	0.170001591	0.1	0.82	0.280196623	3.362123937	7062.447166
484.4	0.200879987	1.199333875	0.170025419	0.1	0.82	0.280235896	3.362595113	7065.809761
484.6	0.200975121	1.199901861	0.170049258	0.1	0.82	0.280275187	3.363066495	7069.172828
484.8	0.201070268	1.200469926	0.170073107	0.1	0.82	0.280314494	3.363538085	7072.536366
485	0.201165428	1.201038072	0.170096966	0.1	0.82	0.280353819	3.364009881	7075.900375
485.2	0.201260602	1.201606298	0.170120836	0.1	0.82	0.280393161	3.364481884	7079.264857
485.4	0.201355789	1.202174604	0.170144716	0.1	0.82	0.280432521	3.364954095	7082.629811
485.6	0.20145099	1.20274299	0.170168607	0.1	0.82	0.280471898	3.365426513	7085.995238
485.8	0.201546204	1.203311456	0.170192508	0.1	0.82	0.280511292	3.365899138	7089.361137
486	0.201641431	1.203880002	0.17021642	0.1	0.82	0.280550703	3.366371971	7092.727509
486.2	0.201736672	1.204448629	0.170240342	0.1	0.82	0.280590132	3.366845012	7096.094354
486.4	0.201831927	1.205017336	0.170264275	0.1	0.82	0.280629578	3.367318261	7099.461672
486.6	0.201927195	1.205586123	0.170288218	0.1	0.82	0.280669042	3.367791718	7102.829464
486.8	0.202022476	1.206154991	0.170312172	0.1	0.82	0.280708522	3.368265383	7106.197729
487	0.202117771	1.206723939	0.170336137	0.1	0.82	0.28074802	3.368739257	7109.566469
487.2	0.202213079	1.207292967	0.170360112	0.1	0.82	0.280787536	3.369213339	7112.935682
487.4	0.202308401	1.207862076	0.170384097	0.1	0.82	0.280827069	3.36968763	7116.30537
487.6	0.202403736	1.208431266	0.170408093	0.1	0.82	0.280866619	3.37016213	7119.675532
487.8	0.202499085	1.209000536	0.1704321	0.1	0.82	0.280906187	3.370636838	7123.046169
488	0.202594447	1.209569886	0.170456117	0.1	0.82	0.280945772	3.371111757	7126.41728
488.2	0.202689823	1.210139317	0.170480145	0.1	0.82	0.280985375	3.371586884	7129.788867
488.4	0.202785212	1.210708829	0.170504183	0.1	0.82	0.281024995	3.372062221	7133.160929
488.6	0.202880615	1.211278422	0.170528232	0.1	0.82	0.281064633	3.372537768	7136.533467
488.8	0.202976031	1.211848095	0.170552292	0.1	0.82	0.281104288	3.373013524	7139.906481
489	0.203071461	1.212417849	0.170576362	0.1	0.82	0.281143961	3.37348949	7143.27997
489.2	0.203166904	1.212987684	0.170600443	0.1	0.82	0.281183651	3.373965667	7146.653936
489.4	0.203262361	1.213557599	0.170624535	0.1	0.82	0.281223358	3.374442054	7150.028378
489.6	0.203357831	1.214127595	0.170648637	0.1	0.82	0.281263084	3.374918651	7153.403297
489.8	0.203453315	1.214697673	0.17067275	0.1	0.82	0.281302826	3.375395459	7156.778692
490	0.203548813	1.215267831	0.170696873	0.1	0.82	0.281342587	3.375872477	7160.154565
490.2	0.203644324	1.21583807	0.170721007	0.1	0.82	0.281382365	3.376349707	7163.530914
490.4	0.203739848	1.21640839	0.170745152	0.1	0.82	0.28142216	3.376827147	7166.907741
490.6	0.203835386	1.216978792	0.170769308	0.1	0.82	0.281461973	3.377304799	7170.285046
490.8	0.203930938	1.217549274	0.170793474	0.1	0.82	0.281501804	3.377782662	7173.662829
491	0.204026504	1.218119837	0.170817651	0.1	0.82	0.281541652	3.378260737	7177.04109
491.2	0.204122083	1.218690482	0.170841839	0.1	0.82	0.281581518	3.378739023	7180.419829
491.4	0.204217675	1.219261207	0.170866037	0.1	0.82	0.281621402	3.379217522	7183.799046
491.6	0.204313281	1.219832014	0.170890246	0.1	0.82	0.281661303	3.379696232	7187.178742
491.8	0.204408901	1.220402903	0.170914466	0.1	0.82	0.281701222	3.380175154	7190.558918
492	0.204504534	1.220973872	0.170938696	0.1	0.82	0.281741159	3.380654289	7193.939572
492.2	0.204600181	1.221544923	0.170962938	0.1	0.82	0.281781114	3.381133636	7197.320705
492.4	0.204695842	1.222116055	0.17098719	0.1	0.82	0.281821086	3.381613196	7200.702319
492.6	0.204791516	1.222687269	0.171011452	0.1	0.82	0.281861076	3.382092969	7204.084412
492.8	0.204887204	1.223258564	0.171035726	0.1	0.82	0.281901083	3.382572955	7207.466985
493	0.204982906	1.22382994	0.17106001	0.1	0.82	0.281941109	3.383053154	7210.850038
493.2	0.205078621	1.224401398	0.171084305	0.1	0.82	0.281981152	3.383533566	7214.233571
493.4	0.20517435	1.224972938	0.171108611	0.1	0.82	0.282021213	3.384014191	7217.617586
493.6	0.205270092	1.225544559	0.171132928	0.1	0.82	0.282061292	3.38449503	7221.002081
493.8	0.205365848	1.226116261	0.171157256	0.1	0.82	0.282101389	3.384976083	7224.387057
494	0.205461618	1.226688046	0.171181594	0.1	0.82	0.282141503	3.38545735	7227.772514
494.2	0.205557402	1.227259912	0.171205943	0.1	0.82	0.282181635	3.385938831	7231.158453
494.4	0.205653199	1.22783186	0.171230303	0.1	0.82	0.282221786	3.386420526	7234.544873

494.6	0.20574901	1.228403889	0.171254674	0.1	0.82	0.282261954	3.386902435	7237.931776
494.8	0.205844835	1.228976	0.171279056	0.1	0.82	0.28230214	3.387384559	7241.31916
495	0.205940673	1.229548194	0.171303448	0.1	0.82	0.282342343	3.387866898	7244.707027
495.2	0.206036525	1.230120469	0.171327852	0.1	0.82	0.282382565	3.388349452	7248.095377
495.4	0.206132391	1.230692826	0.171352266	0.1	0.82	0.282422805	3.38883222	7251.484209
495.6	0.20622827	1.231265265	0.171376691	0.1	0.82	0.282463063	3.389315204	7254.873524
495.8	0.206324163	1.231837785	0.171401127	0.1	0.82	0.282503338	3.389798404	7258.263323
496	0.20642007	1.232410388	0.171425574	0.1	0.82	0.282543632	3.390281818	7261.653604
496.2	0.206515991	1.232983073	0.171450032	0.1	0.82	0.282583943	3.390765449	7265.04437
496.4	0.206611926	1.23355584	0.171474501	0.1	0.82	0.282624273	3.391249295	7268.435619
496.6	0.206707874	1.23412869	0.171498981	0.1	0.82	0.28266462	3.391733357	7271.827352
496.8	0.206803836	1.234701621	0.171523472	0.1	0.82	0.282704986	3.392217636	7275.21957
497	0.206899811	1.235274634	0.171547973	0.1	0.82	0.282745369	3.392702131	7278.612272
497.2	0.206995801	1.23584773	0.171572486	0.1	0.82	0.282785771	3.393186842	7282.005459
497.4	0.207091804	1.236420908	0.171597009	0.1	0.82	0.282826191	3.39367177	7285.399131
497.6	0.207187821	1.236994169	0.171621544	0.1	0.82	0.282866628	3.394156915	7288.793288
497.8	0.207283852	1.237567511	0.171646089	0.1	0.82	0.282907084	3.394642277	7292.18793
498	0.207379897	1.238140937	0.171670646	0.1	0.82	0.282947558	3.395127855	7295.583058
498.2	0.207475955	1.238714444	0.171695213	0.1	0.82	0.28298805	3.395613652	7298.978672
498.4	0.207572028	1.239288034	0.171719792	0.1	0.82	0.283028561	3.396099665	7302.374771
498.6	0.207668114	1.239861707	0.171744381	0.1	0.82	0.283069089	3.396585897	7305.771357
498.8	0.207764214	1.240435462	0.171768982	0.1	0.82	0.283109635	3.397072346	7309.168429
499	0.207860328	1.241009299	0.171793593	0.1	0.82	0.2831502	3.397559013	7312.565988
499.2	0.207956455	1.24158322	0.171818216	0.1	0.82	0.283190783	3.398045898	7315.964034
499.4	0.208052597	1.242157222	0.171842849	0.1	0.82	0.283231384	3.398533002	7319.362567
499.6	0.208148752	1.242731308	0.171867494	0.1	0.82	0.283272003	3.399020324	7322.761588
499.8	0.208244921	1.243305476	0.171892149	0.1	0.82	0.283312641	3.399507864	7326.161096
500	0.208341104	1.243879727	0.171916816	0.1	0.82	0.283353297	3.399995624	7329.561091
500.2	0.208437301	1.244454061	0.171941494	0.1	0.82	0.283393971	3.400483602	7332.961575
500.4	0.208533512	1.245028478	0.171966183	0.1	0.82	0.283434663	3.4009718	7336.362547
500.6	0.208629736	1.245602977	0.171990883	0.1	0.82	0.283475373	3.401460216	7339.764007
500.8	0.208725975	1.24617756	0.172015594	0.1	0.82	0.283516102	3.401948853	7343.165956
501	0.208822227	1.246752225	0.172040316	0.1	0.82	0.283556849	3.402437708	7346.568393
501.2	0.208918494	1.247326974	0.17206505	0.1	0.82	0.283597615	3.402926784	7349.97132
501.4	0.209014774	1.247901805	0.172089794	0.1	0.82	0.283638399	3.40341608	7353.374736
501.6	0.209111068	1.24847672	0.17211455	0.1	0.82	0.283679201	3.403905595	7356.778642
501.8	0.209207376	1.249051717	0.172139316	0.1	0.82	0.283720021	3.404395331	7360.183037
502	0.209303698	1.249626798	0.172164094	0.1	0.82	0.28376086	3.404885288	7363.587922
502.2	0.209400034	1.250201962	0.172188883	0.1	0.82	0.283801717	3.405375465	7366.993298
502.4	0.209496384	1.250777209	0.172213683	0.1	0.82	0.283842593	3.405865862	7370.399164
502.6	0.209592747	1.251352539	0.172238495	0.1	0.82	0.283883487	3.406356481	7373.80552
502.8	0.209689125	1.251927953	0.172263317	0.1	0.82	0.2839244	3.406847321	7377.212368
503	0.209785517	1.25250345	0.172288151	0.1	0.82	0.283965331	3.407338382	7380.619706
503.2	0.209881922	1.25307903	0.172312996	0.1	0.82	0.28400628	3.407829665	7384.027536
503.4	0.209978342	1.253654694	0.172337852	0.1	0.82	0.284047248	3.408321169	7387.435857
503.6	0.210074776	1.254230441	0.17236272	0.1	0.82	0.284088234	3.408812895	7390.84467
503.8	0.210171223	1.254806271	0.172387598	0.1	0.82	0.284129239	3.409304843	7394.253974
504	0.210267685	1.255382185	0.172412488	0.1	0.82	0.284170263	3.409797013	7397.663771
504.2	0.21036416	1.255958183	0.172437389	0.1	0.82	0.284211305	3.410289405	7401.074061
504.4	0.21046065	1.256534264	0.172462301	0.1	0.82	0.284252365	3.41078202	7404.484843
504.6	0.210557153	1.257110429	0.172487225	0.1	0.82	0.284293444	3.411274857	7407.896118
504.8	0.210653671	1.257686678	0.17251216	0.1	0.82	0.284334542	3.411767917	7411.307886
505	0.210750203	1.25826301	0.172537106	0.1	0.82	0.284375658	3.412261201	7414.720147

505.2	0.210846748	1.258839426	0.172562063	0.1	0.82	0.284416793	3.412754707	7418.132902
505.4	0.210943308	1.259415926	0.172587032	0.1	0.82	0.284457946	3.413248437	7421.54615
505.6	0.211039882	1.259992509	0.172612012	0.1	0.82	0.284499119	3.41374239	7424.959892
505.8	0.211136469	1.260569177	0.172637004	0.1	0.82	0.284540309	3.414236566	7428.374129
506	0.211233071	1.261145928	0.172662006	0.1	0.82	0.284581519	3.414730967	7431.78886
506.2	0.211329687	1.261722763	0.17268702	0.1	0.82	0.284622747	3.415225592	7435.204086
506.4	0.211426317	1.262299682	0.172712045	0.1	0.82	0.284663993	3.41572044	7438.619806
506.6	0.211522961	1.262876686	0.172737082	0.1	0.82	0.284705259	3.416215513	7442.036022
506.8	0.211619619	1.263453773	0.17276213	0.1	0.82	0.284746543	3.416710811	7445.452732
507	0.211716291	1.264030944	0.17278719	0.1	0.82	0.284787846	3.417206333	7448.869939
507.2	0.211812977	1.2646082	0.17281226	0.1	0.82	0.284829167	3.41770208	7452.287641
507.4	0.211909678	1.265185539	0.172837342	0.1	0.82	0.284870508	3.418198052	7455.705839
507.6	0.212006392	1.265762963	0.172862436	0.1	0.82	0.284911867	3.418694249	7459.124533
507.8	0.212103121	1.266340471	0.172887541	0.1	0.82	0.284953245	3.419190672	7462.543724
508	0.212199863	1.266918064	0.172912657	0.1	0.82	0.284994642	3.41968732	7465.963411
508.2	0.21229662	1.26749574	0.172937785	0.1	0.82	0.285036057	3.420184194	7469.383595
508.4	0.212393391	1.268073501	0.172962924	0.1	0.82	0.285077492	3.420681294	7472.804277
508.6	0.212490176	1.268651347	0.172988075	0.1	0.82	0.285118945	3.421178619	7476.225455
508.8	0.212586975	1.269229276	0.173013237	0.1	0.82	0.285160417	3.421676171	7479.647131
509	0.212683788	1.269807291	0.17303841	0.1	0.82	0.285201908	3.42217395	7483.069305
509.2	0.212780616	1.270385389	0.173063595	0.1	0.82	0.285243418	3.422671955	7486.491977
509.4	0.212877458	1.270963573	0.173088792	0.1	0.82	0.285284947	3.423170186	7489.915147
509.6	0.212974313	1.271541841	0.173114	0.1	0.82	0.285326494	3.423668645	7493.338816
509.8	0.213071183	1.272120193	0.173139219	0.1	0.82	0.285368061	3.42416733	7496.762983
510	0.213168068	1.27269863	0.17316445	0.1	0.82	0.285409646	3.424666243	7500.18765
510.2	0.213264966	1.273277152	0.173189692	0.1	0.82	0.285451251	3.425165384	7503.612815
510.4	0.213361878	1.273855759	0.173214946	0.1	0.82	0.285492874	3.425664752	7507.03848
510.6	0.213458805	1.27443445	0.173240212	0.1	0.82	0.285534517	3.426164347	7510.464644
510.8	0.213555746	1.275013227	0.173265489	0.1	0.82	0.285576178	3.426664171	7513.891308
511	0.213652701	1.275592088	0.173290777	0.1	0.82	0.285617859	3.427164223	7517.318472
511.2	0.213749671	1.276171034	0.173316077	0.1	0.82	0.285659558	3.427664503	7520.746137
511.4	0.213846654	1.276750065	0.173341389	0.1	0.82	0.285701277	3.428165011	7524.174302
511.6	0.213943652	1.27732918	0.173366712	0.1	0.82	0.285743015	3.428665749	7527.602968
511.8	0.214040664	1.277908381	0.173392047	0.1	0.82	0.285784771	3.429166715	7531.032134
512	0.21413769	1.278487667	0.173417393	0.1	0.82	0.285826547	3.42966791	7534.461802
512.2	0.214234731	1.279067038	0.173442751	0.1	0.82	0.285868342	3.430169334	7537.891972
512.4	0.214331786	1.279646494	0.17346812	0.1	0.82	0.285910156	3.430670988	7541.322643
512.6	0.214428855	1.280226036	0.173493501	0.1	0.82	0.285951989	3.431172871	7544.753816
512.8	0.214525938	1.280805662	0.173518894	0.1	0.82	0.285993841	3.431674984	7548.185491
513	0.214623036	1.281385374	0.173544299	0.1	0.82	0.286035713	3.432177326	7551.617668
513.2	0.214720148	1.281965171	0.173569715	0.1	0.82	0.286077604	3.432679899	7555.050348
513.4	0.214817274	1.282545054	0.173595142	0.1	0.82	0.286119513	3.433182702	7558.48353
513.6	0.214914415	1.283125021	0.173620582	0.1	0.82	0.286161443	3.433685736	7561.917216
513.8	0.215011569	1.283705074	0.173646033	0.1	0.82	0.286203391	3.434189	7565.351405
514	0.215108739	1.284285213	0.173671495	0.1	0.82	0.286245358	3.434692495	7568.786098
514.2	0.215205922	1.284865437	0.173696969	0.1	0.82	0.286287345	3.435196221	7572.221294
514.4	0.21530312	1.285445747	0.173722456	0.1	0.82	0.286329351	3.435700178	7575.656994
514.6	0.215400332	1.286026142	0.173747953	0.1	0.82	0.286371376	3.436204366	7579.093198
514.8	0.215497558	1.286606623	0.173773463	0.1	0.82	0.286413421	3.436708786	7582.529907
515	0.215594799	1.287187189	0.173798984	0.1	0.82	0.286455485	3.437213437	7585.967121
515.2	0.215692054	1.287767841	0.173824517	0.1	0.82	0.286497568	3.43771832	7589.404839
515.4	0.215789324	1.288348579	0.173850061	0.1	0.82	0.286539671	3.438223436	7592.843062
515.6	0.215886608	1.288929402	0.173875618	0.1	0.82	0.286581793	3.438728783	7596.281791

515.8	0.215983906	1.289510312	0.173901186	0.1	0.82	0.286623934	3.439234363	7599.721026
516	0.216081219	1.290091307	0.173926766	0.1	0.82	0.286666095	3.439740175	7603.160766
516.2	0.216178545	1.290672388	0.173952357	0.1	0.82	0.286708275	3.440246221	7606.601012
516.4	0.216275887	1.291253555	0.173977961	0.1	0.82	0.286750475	3.440752499	7610.041764
516.6	0.216373243	1.291834808	0.174003576	0.1	0.82	0.286792694	3.44125901	7613.483024
516.8	0.216470613	1.292416147	0.174029203	0.1	0.82	0.286834932	3.441765754	7616.924789
517	0.216567997	1.292997572	0.174054842	0.1	0.82	0.28687719	3.442272732	7620.367062
517.2	0.216665396	1.293579083	0.174080492	0.1	0.82	0.286919467	3.442779944	7623.809842
517.4	0.21676281	1.29416068	0.174106155	0.1	0.82	0.286961764	3.443287389	7627.253129
517.6	0.216860238	1.294742363	0.174131829	0.1	0.82	0.287004081	3.443795069	7630.696924
517.8	0.21695768	1.295324133	0.174157515	0.1	0.82	0.287046416	3.444302982	7634.141227
518	0.217055137	1.295905989	0.174183213	0.1	0.82	0.287088772	3.44481113	7637.586039
518.2	0.217152608	1.296487931	0.174208923	0.1	0.82	0.287131147	3.445319513	7641.031358
518.4	0.217250094	1.297069959	0.174234645	0.1	0.82	0.287173541	3.44582813	7644.477186
518.6	0.217347594	1.297652074	0.174260378	0.1	0.82	0.287215956	3.446336982	7647.923523
518.8	0.217445108	1.298234275	0.174286124	0.1	0.82	0.287258389	3.44684607	7651.370369
519	0.217542637	1.298816562	0.174311881	0.1	0.82	0.287300843	3.447355392	7654.817725
519.2	0.217640181	1.299398936	0.174337651	0.1	0.82	0.287343316	3.44786495	7658.26559
519.4	0.217737739	1.299981397	0.174363432	0.1	0.82	0.287385808	3.448374744	7661.713964
519.6	0.217835312	1.300563944	0.174389225	0.1	0.82	0.287428321	3.448884773	7665.162849
519.8	0.217932899	1.301146577	0.17441503	0.1	0.82	0.287470853	3.449395039	7668.612244
520	0.2180305	1.301729298	0.174440847	0.1	0.82	0.287513404	3.449905541	7672.06215
520.2	0.218128116	1.302312105	0.174466676	0.1	0.82	0.287555976	3.450416279	7675.512566
520.4	0.218225747	1.302894998	0.174492517	0.1	0.82	0.287598567	3.450927253	7678.963493
520.6	0.218323392	1.303477979	0.17451837	0.1	0.82	0.287641177	3.451438465	7682.414932
520.8	0.218421052	1.304061046	0.174544235	0.1	0.82	0.287683808	3.451949913	7685.866882
521	0.218518726	1.3046442	0.174570112	0.1	0.82	0.287726458	3.452461598	7689.319343
521.2	0.218616415	1.305227441	0.174596001	0.1	0.82	0.287769128	3.452973521	7692.772317
521.4	0.218714118	1.305810769	0.174621902	0.1	0.82	0.287811818	3.453485681	7696.225802
521.6	0.218811836	1.306394184	0.174647815	0.1	0.82	0.287854528	3.453998079	7699.6798
521.8	0.218909568	1.306977686	0.17467374	0.1	0.82	0.287897258	3.454510715	7703.134311
522	0.219007315	1.307561275	0.174699677	0.1	0.82	0.287940007	3.455023589	7706.589335
522.2	0.219105077	1.308144951	0.174725626	0.1	0.82	0.287982776	3.455536701	7710.044871
522.4	0.219202853	1.308728714	0.174751587	0.1	0.82	0.288025566	3.456050051	7713.500921
522.6	0.219300644	1.309312564	0.17477756	0.1	0.82	0.288068375	3.45656364	7716.957485
522.8	0.219398449	1.309896501	0.174803545	0.1	0.82	0.288111203	3.457077468	7720.414563
523	0.219496269	1.310480526	0.174829543	0.1	0.82	0.288154052	3.457591535	7723.872154
523.2	0.219594104	1.311064638	0.174855552	0.1	0.82	0.288196921	3.458105841	7727.33026
523.4	0.219691953	1.311648837	0.174881574	0.1	0.82	0.28823981	3.458620386	7730.78888
523.6	0.219789817	1.312233124	0.174907607	0.1	0.82	0.288282719	3.459135171	7734.248016
523.8	0.219887696	1.312817498	0.174933653	0.1	0.82	0.288325647	3.459650196	7737.707666
524	0.219985589	1.31340196	0.174959711	0.1	0.82	0.288368596	3.46016546	7741.167831
524.2	0.220083497	1.313986509	0.174985781	0.1	0.82	0.288411565	3.460680965	7744.628512
524.4	0.220181419	1.314571145	0.175011864	0.1	0.82	0.288454554	3.46119671	7748.089709
524.6	0.220279356	1.315155869	0.175037958	0.1	0.82	0.288497562	3.461712695	7751.551422
524.8	0.220377308	1.315740681	0.175064065	0.1	0.82	0.288540591	3.462228921	7755.01365
525	0.220475275	1.316325581	0.175090183	0.1	0.82	0.28858364	3.462745388	7758.476396
525.2	0.220573256	1.316910568	0.175116314	0.1	0.82	0.288626709	3.463262096	7761.939658
525.4	0.220671252	1.317495642	0.175142457	0.1	0.82	0.288669798	3.463779045	7765.403437
525.6	0.220769263	1.318080805	0.175168613	0.1	0.82	0.288712908	3.464296236	7768.867733
525.8	0.220867288	1.318666055	0.17519478	0.1	0.82	0.288756037	3.464813668	7772.332547
526	0.220965328	1.319251394	0.17522096	0.1	0.82	0.288799187	3.465331342	7775.797878
526.2	0.221063383	1.31983682	0.175247152	0.1	0.82	0.288842356	3.465849258	7779.263728

526.4	0.221161452	1.320422334	0.175273357	0.1	0.82	0.288885546	3.466367416	7782.730095
526.6	0.221259536	1.321007936	0.175299573	0.1	0.82	0.288928756	3.466885816	7786.196981
526.8	0.221357635	1.321593626	0.175325802	0.1	0.82	0.288971987	3.467404459	7789.664385
527	0.221455749	1.322179405	0.175352043	0.1	0.82	0.289015237	3.467923345	7793.132309
527.2	0.221553878	1.322765271	0.175378296	0.1	0.82	0.289058508	3.468442474	7796.600751
527.4	0.221652021	1.323351225	0.175404562	0.1	0.82	0.289101799	3.468961846	7800.069713
527.6	0.221750179	1.323937268	0.17543084	0.1	0.82	0.289145111	3.469481461	7803.539194
527.8	0.221848352	1.324523399	0.175457131	0.1	0.82	0.289188443	3.47000132	7807.009196
528	0.221946539	1.325109618	0.175483433	0.1	0.82	0.289231795	3.470521422	7810.479717
528.2	0.222044742	1.325695925	0.175509748	0.1	0.82	0.289275167	3.471041769	7813.950759
528.4	0.222142959	1.326282321	0.175536075	0.1	0.82	0.28931856	3.471562359	7817.422321
528.6	0.222241191	1.326868805	0.175562415	0.1	0.82	0.289361973	3.472083194	7820.894404
528.8	0.222339438	1.327455378	0.175588767	0.1	0.82	0.289405406	3.472604273	7824.367009
529	0.222437699	1.328042039	0.175615132	0.1	0.82	0.28944886	3.473125597	7827.840134
529.2	0.222535976	1.328628789	0.175641508	0.1	0.82	0.289492334	3.473647165	7831.313781
529.4	0.222634267	1.329215627	0.175667898	0.1	0.82	0.289535829	3.474168979	7834.78795
529.6	0.222732573	1.329802554	0.175694299	0.1	0.82	0.289579344	3.474691038	7838.262641
529.8	0.222830894	1.33038957	0.175720713	0.1	0.82	0.28962288	3.475213343	7841.737855
530	0.22292923	1.330976674	0.17574714	0.1	0.82	0.289666436	3.475735893	7845.213591
530.2	0.22302758	1.331563867	0.175773579	0.1	0.82	0.289710012	3.476258689	7848.689849
530.4	0.223125946	1.332151148	0.17580003	0.1	0.82	0.289753609	3.476781731	7852.166631
530.6	0.223224326	1.332738519	0.175826494	0.1	0.82	0.289797227	3.477305019	7855.643936
530.8	0.223322722	1.333325978	0.17585297	0.1	0.82	0.289840865	3.477828553	7859.121765
531	0.223421132	1.333913526	0.175879459	0.1	0.82	0.289884524	3.478352335	7862.600117
531.2	0.223519557	1.334501164	0.17590596	0.1	0.82	0.289928203	3.478876363	7866.078993
531.4	0.223617997	1.33508889	0.175932474	0.1	0.82	0.289971903	3.479400637	7869.558394
531.6	0.223716452	1.335676705	0.175959	0.1	0.82	0.290015624	3.47992516	7873.038319
531.8	0.223814922	1.336264609	0.175985539	0.1	0.82	0.290059365	3.480449929	7876.518769
532	0.223913407	1.336852603	0.17601209	0.1	0.82	0.290103126	3.480974946	7879.999744
532.2	0.224011906	1.337440685	0.176038654	0.1	0.82	0.290146909	3.481500211	7883.481244
532.4	0.224110421	1.338028857	0.17606523	0.1	0.82	0.290190712	3.482025724	7886.96327
532.6	0.22420895	1.338617118	0.176091819	0.1	0.82	0.290234536	3.482551485	7890.445821
532.8	0.224307495	1.339205468	0.17611842	0.1	0.82	0.29027838	3.483077495	7893.928899
533	0.224406055	1.339793908	0.176145034	0.1	0.82	0.290322245	3.483603753	7897.412503
533.2	0.224504629	1.340382437	0.176171661	0.1	0.82	0.290366131	3.48413026	7900.896633
533.4	0.224603218	1.340971055	0.1761983	0.1	0.82	0.290410038	3.484657016	7904.38129
533.6	0.224701823	1.341559763	0.176224952	0.1	0.82	0.290453965	3.485184021	7907.866474
533.8	0.224800442	1.34214856	0.176251616	0.1	0.82	0.290497914	3.485711275	7911.352185
534	0.224899077	1.342737447	0.176278293	0.1	0.82	0.290541883	3.486238779	7914.838424
534.2	0.224997726	1.343326424	0.176304983	0.1	0.82	0.290585873	3.486766532	7918.325191
534.4	0.22509639	1.34391549	0.176331685	0.1	0.82	0.290629883	3.487294536	7921.812485
534.6	0.22519507	1.344504645	0.1763584	0.1	0.82	0.290673915	3.48782279	7925.300308
534.8	0.225293764	1.345093891	0.176385128	0.1	0.82	0.290717967	3.488351294	7928.788659
535	0.225392474	1.345683226	0.176411868	0.1	0.82	0.290762041	3.488880049	7932.277539
535.2	0.225491198	1.346272651	0.176438621	0.1	0.82	0.290806135	3.489409054	7935.766948
535.4	0.225589938	1.346862166	0.176465387	0.1	0.82	0.29085025	3.48993831	7939.256887
535.6	0.225688693	1.347451771	0.176492165	0.1	0.82	0.290894386	3.490467818	7942.747354
535.8	0.225787462	1.348041465	0.176518956	0.1	0.82	0.290938543	3.490997577	7946.238352
536	0.225886247	1.34863125	0.17654576	0.1	0.82	0.290982721	3.491527587	7949.72988
536.2	0.225985047	1.349221124	0.176572576	0.1	0.82	0.29102692	3.492057849	7953.221937
536.4	0.226083862	1.349811089	0.176599406	0.1	0.82	0.29107114	3.492588364	7956.714526
536.6	0.226182692	1.350401144	0.176626248	0.1	0.82	0.291115381	3.49311913	7960.207645
536.8	0.226281537	1.350991288	0.176653102	0.1	0.82	0.291159643	3.493650149	7963.701295

537	0.226380397	1.351581523	0.17667997	0.1	0.82	0.291203927	3.49418142	7967.195477
537.2	0.226479273	1.352171849	0.17670685	0.1	0.82	0.291248231	3.494712944	7970.690189
537.4	0.226578163	1.352762264	0.176733744	0.1	0.82	0.291292556	3.495244721	7974.185434
537.6	0.226677069	1.35335277	0.176760649	0.1	0.82	0.291336902	3.495776751	7977.681211
537.8	0.226775989	1.353943366	0.176787568	0.1	0.82	0.29138127	3.496309035	7981.17752
538	0.226874925	1.354534053	0.1768145	0.1	0.82	0.291425659	3.496841572	7984.674362
538.2	0.226973876	1.35512483	0.176841444	0.1	0.82	0.291470068	3.497374363	7988.171736
538.4	0.227072842	1.355715697	0.176868402	0.1	0.82	0.291514499	3.497907407	7991.669643
538.6	0.227171824	1.356306655	0.176895372	0.1	0.82	0.291558952	3.498440706	7995.168084
538.8	0.22727082	1.356897704	0.176922355	0.1	0.82	0.291603425	3.49897426	7998.667058
539	0.227369832	1.357488843	0.176949351	0.1	0.82	0.29164792	3.499508068	8002.166566
539.2	0.227468859	1.358080073	0.176976359	0.1	0.82	0.291692435	3.500042131	8005.666608
539.4	0.227567901	1.358671393	0.177003381	0.1	0.82	0.291736973	3.500576449	8009.167185
539.6	0.227666958	1.359262805	0.177030416	0.1	0.82	0.291781531	3.501111022	8012.668296
539.8	0.22776603	1.359854307	0.177057463	0.1	0.82	0.291826111	3.50164585	8016.169942
540	0.227865118	1.3604459	0.177084524	0.1	0.82	0.291870712	3.502180934	8019.672123
540.2	0.227964221	1.361037583	0.177111597	0.1	0.82	0.291915334	3.502716274	8023.174839
540.4	0.228063339	1.361629358	0.177138683	0.1	0.82	0.291959978	3.50325187	8026.678091
540.6	0.228162472	1.362221224	0.177165782	0.1	0.82	0.292004643	3.503787722	8030.181879
540.8	0.228261621	1.36281318	0.177192895	0.1	0.82	0.292049329	3.504323831	8033.686202
541	0.228360785	1.363405228	0.17722002	0.1	0.82	0.292094037	3.504860196	8037.191063
541.2	0.228459964	1.363997367	0.177247158	0.1	0.82	0.292138766	3.505396818	8040.696459
541.4	0.228559158	1.364589597	0.177274309	0.1	0.82	0.292183517	3.505933697	8044.202393
541.6	0.228658368	1.365181918	0.177301474	0.1	0.82	0.292228289	3.506470833	8047.708864
541.8	0.228757592	1.36577433	0.177328651	0.1	0.82	0.292273082	3.507008227	8051.215872
542	0.228856833	1.366366834	0.177355841	0.1	0.82	0.292317897	3.507545879	8054.723418
542.2	0.228956088	1.366959429	0.177383045	0.1	0.82	0.292362734	3.508083788	8058.231502
542.4	0.229055359	1.367552115	0.177410261	0.1	0.82	0.292407592	3.508621956	8061.740124
542.6	0.229154645	1.368144893	0.17743749	0.1	0.82	0.292452472	3.509160382	8065.249284
542.8	0.229253946	1.368737762	0.177464733	0.1	0.82	0.292497373	3.509699066	8068.758983
543	0.229353263	1.369330722	0.177491988	0.1	0.82	0.292542295	3.510238009	8072.269221
543.2	0.229452595	1.369923774	0.177519257	0.1	0.82	0.29258724	3.510777211	8075.779998
543.4	0.229551943	1.370516918	0.177546539	0.1	0.82	0.292632206	3.511316672	8079.291315
543.6	0.229651305	1.371110153	0.177573834	0.1	0.82	0.292677193	3.511856393	8082.803172
543.8	0.229750683	1.37170348	0.177601142	0.1	0.82	0.292722202	3.512396373	8086.315568
544	0.229850077	1.372296899	0.177628463	0.1	0.82	0.292767233	3.512936612	8089.828505
544.2	0.229949486	1.37289041	0.177655798	0.1	0.82	0.292812286	3.513477112	8093.341982
544.4	0.23004891	1.373484012	0.177683145	0.1	0.82	0.29285736	3.514017872	8096.856
544.6	0.230148349	1.374077706	0.177710506	0.1	0.82	0.292902456	3.514558892	8100.370558
544.8	0.230247804	1.374671492	0.17773788	0.1	0.82	0.292947573	3.515100173	8103.885659
545	0.230347275	1.37526537	0.177765267	0.1	0.82	0.292992713	3.515641715	8107.4013
545.2	0.230446761	1.37585934	0.177792667	0.1	0.82	0.293037874	3.516183518	8110.917484
545.4	0.230546262	1.376453401	0.17782008	0.1	0.82	0.293083057	3.516725582	8114.434209
545.6	0.230645778	1.377047555	0.177847507	0.1	0.82	0.293128261	3.517267908	8117.951477
545.8	0.23074531	1.377641801	0.177874947	0.1	0.82	0.293173488	3.517810495	8121.469288
546	0.230844858	1.37823614	0.1779024	0.1	0.82	0.293218736	3.518353344	8124.987641
546.2	0.230944421	1.37883057	0.177929867	0.1	0.82	0.293264006	3.518896455	8128.506538
546.4	0.231043999	1.379425093	0.177957346	0.1	0.82	0.293309298	3.519439828	8132.025977
546.6	0.231143593	1.380019708	0.177984839	0.1	0.82	0.293354612	3.519983464	8135.545961
546.8	0.231243202	1.380614415	0.178012346	0.1	0.82	0.293399948	3.520527363	8139.066488
547	0.231342827	1.381209215	0.178039865	0.1	0.82	0.293445306	3.521071525	8142.58756
547.2	0.231442467	1.381804107	0.178067398	0.1	0.82	0.293490686	3.52161595	8146.109176
547.4	0.231542123	1.382399091	0.178094944	0.1	0.82	0.293536087	3.522160638	8149.631336

547.6	0.231641794	1.382994168	0.178122504	0.1	0.82	0.293581511	3.522705589	8153.154042
547.8	0.231741481	1.383589338	0.178150077	0.1	0.82	0.293626957	3.523250805	8156.677293
548	0.231841183	1.3841846	0.178177663	0.1	0.82	0.293672424	3.523796285	8160.201089
548.2	0.231940901	1.384779955	0.178205263	0.1	0.82	0.293717914	3.524342028	8163.725431
548.4	0.232040634	1.385375403	0.178232876	0.1	0.82	0.293763426	3.524888037	8167.250319
548.6	0.232140383	1.385970943	0.178260502	0.1	0.82	0.293808959	3.525434309	8170.775753
548.8	0.232240147	1.386566576	0.178288142	0.1	0.82	0.293854515	3.525980847	8174.301734
549	0.232339927	1.387162302	0.178315795	0.1	0.82	0.293900093	3.52652765	8177.828262
549.2	0.232439723	1.387758121	0.178343461	0.1	0.82	0.293945693	3.527074718	8181.355337
549.4	0.232539534	1.388354032	0.178371142	0.1	0.82	0.293991315	3.527622052	8184.882959
549.6	0.23263936	1.388950037	0.178398835	0.1	0.82	0.29403696	3.528169651	8188.411128
549.8	0.232739202	1.389546135	0.178426542	0.1	0.82	0.294082626	3.528717517	8191.939846
550	0.23283906	1.390142325	0.178454262	0.1	0.82	0.294128315	3.529265648	8195.469112
550.2	0.232938934	1.390738609	0.178481996	0.1	0.82	0.294174026	3.529814046	8198.998926
550.4	0.233038823	1.391334986	0.178509743	0.1	0.82	0.294219759	3.530362711	8202.529288
550.6	0.233138727	1.391931456	0.178537504	0.1	0.82	0.294265515	3.530911642	8206.0602
550.8	0.233238647	1.39252802	0.178565279	0.1	0.82	0.294311292	3.531460841	8209.591661
551	0.233338583	1.393124676	0.178593066	0.1	0.82	0.294357092	3.532010306	8213.123671
551.2	0.233438534	1.393721426	0.178620868	0.1	0.82	0.294402914	3.532560039	8216.656231
551.4	0.233538502	1.39431827	0.178648683	0.1	0.82	0.294448759	3.53311004	8220.189341
551.6	0.233638484	1.394915207	0.178676511	0.1	0.82	0.294494626	3.533660309	8223.723001
551.8	0.233738483	1.395512237	0.178704353	0.1	0.82	0.294540515	3.534210846	8227.257212
552	0.233838497	1.396109361	0.178732209	0.1	0.82	0.294586427	3.534761651	8230.791974
552.2	0.233938526	1.396706578	0.178760078	0.1	0.82	0.294632361	3.535312725	8234.327287
552.4	0.234038572	1.397303889	0.178787961	0.1	0.82	0.294678317	3.535864068	8237.863151
552.6	0.234138633	1.397901293	0.178815857	0.1	0.82	0.294724296	3.53641568	8241.399566
552.8	0.23423871	1.398498792	0.178843767	0.1	0.82	0.294770297	3.536967561	8244.936534
553	0.234338802	1.399096384	0.178871691	0.1	0.82	0.294816321	3.537519711	8248.474054
553.2	0.23443891	1.399694069	0.178899628	0.1	0.82	0.294862367	3.538072131	8252.012126
553.4	0.234539034	1.400291849	0.178927579	0.1	0.82	0.294908436	3.538624821	8255.550751
553.6	0.234639174	1.400889723	0.178955544	0.1	0.82	0.294954527	3.539177781	8259.089928
553.8	0.234739329	1.40148769	0.178983522	0.1	0.82	0.295000641	3.539731011	8262.629659
554	0.2348395	1.402085751	0.179011514	0.1	0.82	0.295046778	3.540284512	8266.169944
554.2	0.234939687	1.402683907	0.17903952	0.1	0.82	0.295092936	3.540838284	8269.710782
554.4	0.23503989	1.403282156	0.179067539	0.1	0.82	0.295139118	3.541392327	8273.252175
554.6	0.235140108	1.4038805	0.179095572	0.1	0.82	0.295185322	3.541946641	8276.794121
554.8	0.235240342	1.404478938	0.179123619	0.1	0.82	0.295231549	3.542501227	8280.336622
555	0.235340592	1.40507747	0.17915168	0.1	0.82	0.295277798	3.543056084	8283.879679
555.2	0.235440858	1.405676096	0.179179754	0.1	0.82	0.29532407	3.543611213	8287.42329
555.4	0.235541139	1.406274816	0.179207842	0.1	0.82	0.295370365	3.544166614	8290.967456
555.6	0.235641436	1.406873631	0.179235944	0.1	0.82	0.295416683	3.544722288	8294.512179
555.8	0.235741749	1.407472541	0.17926406	0.1	0.82	0.295463023	3.545278234	8298.057457
556	0.235842078	1.408071544	0.179292189	0.1	0.82	0.295509386	3.545834453	8301.603291
556.2	0.235942423	1.408670642	0.179320332	0.1	0.82	0.295555772	3.546390945	8305.149682
556.4	0.236042784	1.409269835	0.179348489	0.1	0.82	0.29560218	3.54694771	8308.69663
556.6	0.23614316	1.409869122	0.17937666	0.1	0.82	0.295648611	3.547504749	8312.244135
556.8	0.236243552	1.410468504	0.179404845	0.1	0.82	0.295695065	3.548062061	8315.792197
557	0.23634396	1.411067981	0.179433044	0.1	0.82	0.295741542	3.548619648	8319.340816
557.2	0.236444384	1.411667552	0.179461256	0.1	0.82	0.295788042	3.549177508	8322.889994
557.4	0.236544824	1.412267218	0.179489482	0.1	0.82	0.295834565	3.549735643	8326.43973
557.6	0.23664528	1.412866979	0.179517723	0.1	0.82	0.295881111	3.550294053	8329.990024
557.8	0.236745751	1.413466834	0.179545977	0.1	0.82	0.295927679	3.550852737	8333.540876
558	0.236846239	1.414066785	0.179574245	0.1	0.82	0.29597427	3.551411696	8337.092288

558.2	0.236946742	1.414666831	0.179602527	0.1	0.82	0.296020885	3.551970931	8340.644259
558.4	0.237047262	1.415266971	0.179630823	0.1	0.82	0.296067522	3.552530441	8344.196789
558.6	0.237147797	1.415867207	0.179659133	0.1	0.82	0.296114182	3.553090227	8347.74988
558.8	0.237248348	1.416467537	0.179687456	0.1	0.82	0.296160866	3.553650289	8351.30353
559	0.237348915	1.417067963	0.179715794	0.1	0.82	0.296207572	3.554210628	8354.857741
559.2	0.237449498	1.417668484	0.179744146	0.1	0.82	0.296254302	3.554771242	8358.412512
559.4	0.237550097	1.4182691	0.179772512	0.1	0.82	0.296301054	3.555332133	8361.967844
559.6	0.237650712	1.418869812	0.179800892	0.1	0.82	0.29634783	3.555893302	8365.523737
559.8	0.237751343	1.419470619	0.179829285	0.1	0.82	0.296394628	3.556454747	8369.080192
560	0.23785199	1.420071521	0.179857693	0.1	0.82	0.29644145	3.55701647	8372.637208
560.2	0.237952653	1.420672518	0.179886115	0.1	0.82	0.296488295	3.55757847	8376.194787
560.4	0.238053332	1.421273612	0.179914551	0.1	0.82	0.296535163	3.558140748	8379.752928
560.6	0.238154027	1.4218748	0.179943001	0.1	0.82	0.296582054	3.558703304	8383.311631
560.8	0.238254737	1.422476084	0.179971465	0.1	0.82	0.296628969	3.559266138	8386.870897
561	0.238355464	1.423077464	0.179999943	0.1	0.82	0.296675906	3.559829251	8390.430726
561.2	0.238456207	1.423678939	0.180028435	0.1	0.82	0.296722867	3.560392643	8393.991119
561.4	0.238556966	1.424280511	0.180056942	0.1	0.82	0.296769852	3.560956313	8397.552075
561.6	0.238657741	1.424882178	0.180085462	0.1	0.82	0.296816859	3.561520263	8401.113596
561.8	0.238758532	1.42548394	0.180113997	0.1	0.82	0.29686389	3.562084493	8404.67568
562	0.238859339	1.426085799	0.180142546	0.1	0.82	0.296910944	3.562649001	8408.238329
562.2	0.238960162	1.426687753	0.180171109	0.1	0.82	0.296958021	3.56321379	8411.801543
562.4	0.239061002	1.427289804	0.180199686	0.1	0.82	0.297005122	3.563778859	8415.365322
562.6	0.239161857	1.42789195	0.180228277	0.1	0.82	0.297052246	3.564344209	8418.929666
562.8	0.239262728	1.428494192	0.180256882	0.1	0.82	0.297099394	3.564909838	8422.494576
563	0.239363616	1.429096531	0.180285502	0.1	0.82	0.297146565	3.565475749	8426.060052
563.2	0.239464519	1.429698966	0.180314136	0.1	0.82	0.297193759	3.566041941	8429.626093
563.4	0.239565439	1.430301496	0.180342784	0.1	0.82	0.297240977	3.566608414	8433.192702
563.6	0.239666375	1.430904123	0.180371446	0.1	0.82	0.297288218	3.567175169	8436.759877
563.8	0.239767327	1.431506847	0.180400123	0.1	0.82	0.297335483	3.567742205	8440.327619
564	0.239868295	1.432109666	0.180428814	0.1	0.82	0.297382771	3.568309524	8443.895929
564.2	0.239969279	1.432712582	0.180457519	0.1	0.82	0.297430083	3.568877125	8447.464806
564.4	0.240070279	1.433315595	0.180486239	0.1	0.82	0.297477418	3.569445008	8451.034251
564.6	0.240171296	1.433918704	0.180514972	0.1	0.82	0.297524777	3.570013174	8454.604264
564.8	0.240272328	1.434521909	0.18054372	0.1	0.82	0.29757216	3.570581623	8458.174846
565	0.240373377	1.435125211	0.180572483	0.1	0.82	0.297619566	3.571150355	8461.745996
565.2	0.240474442	1.43572861	0.180601259	0.1	0.82	0.297666996	3.57171937	8465.317715
565.4	0.240575523	1.436332105	0.18063005	0.1	0.82	0.297714449	3.572288669	8468.890004
565.6	0.240676621	1.436935697	0.180658856	0.1	0.82	0.297761926	3.572858252	8472.462862
565.8	0.240777735	1.437539386	0.180687676	0.1	0.82	0.297809427	3.57342812	8476.03629
566	0.240878864	1.438143172	0.18071651	0.1	0.82	0.297856952	3.573998271	8479.610289
566.2	0.24098001	1.438747054	0.180745358	0.1	0.82	0.2979045	3.574568707	8483.184857
566.4	0.241081173	1.439351034	0.180774221	0.1	0.82	0.297952072	3.575139428	8486.759997
566.6	0.241182351	1.43995511	0.180803099	0.1	0.82	0.297999667	3.575710435	8490.335707
566.8	0.241283546	1.440559283	0.180831991	0.1	0.82	0.298047287	3.576281726	8493.911989
567	0.241384757	1.441163554	0.180860897	0.1	0.82	0.29809493	3.576853303	8497.488842
567.2	0.241485984	1.441767921	0.180889818	0.1	0.82	0.298142597	3.577425166	8501.066268
567.4	0.241587228	1.442372386	0.180918753	0.1	0.82	0.298190288	3.577997315	8504.644265
567.6	0.241688488	1.442976948	0.180947703	0.1	0.82	0.298238003	3.57856975	8508.222835
567.8	0.241789764	1.443581607	0.180976667	0.1	0.82	0.298285742	3.579142472	8511.801977
568	0.241891056	1.444186363	0.181005645	0.1	0.82	0.298333505	3.579715481	8515.381693
568.2	0.241992365	1.444791217	0.181034639	0.1	0.82	0.298381291	3.580288776	8518.961981
568.4	0.24209369	1.445396168	0.181063646	0.1	0.82	0.298429102	3.580862359	8522.542844
568.6	0.242195032	1.446001217	0.181092669	0.1	0.82	0.298476936	3.58143623	8526.12428

568.8	0.242296389	1.446606363	0.181121705	0.1	0.82	0.298524795	3.582010388	8529.70629
569	0.242397763	1.447211607	0.181150757	0.1	0.82	0.298572677	3.582584834	8533.288875
569.2	0.242499154	1.447816948	0.181179823	0.1	0.82	0.298620584	3.583159568	8536.872035
569.4	0.242600561	1.448422387	0.181208903	0.1	0.82	0.298668515	3.583734591	8540.455769
569.6	0.242701984	1.449027923	0.181237999	0.1	0.82	0.298716469	3.584309903	8544.040079
569.8	0.242803423	1.449633558	0.181267108	0.1	0.82	0.298764448	3.584885503	8547.624965
570	0.242904879	1.45023929	0.181296233	0.1	0.82	0.298812451	3.585461393	8551.210426
570.2	0.243006351	1.45084512	0.181325372	0.1	0.82	0.298860478	3.586037572	8554.796464
570.4	0.24310784	1.451451047	0.181354526	0.1	0.82	0.298908529	3.586614041	8558.383078
570.6	0.243209345	1.452057073	0.181383694	0.1	0.82	0.298956604	3.5871908	8561.970268
570.8	0.243310866	1.452663197	0.181412877	0.1	0.82	0.299004704	3.587767849	8565.558036
571	0.243412404	1.453269419	0.181442075	0.1	0.82	0.299052828	3.588345188	8569.146382
571.2	0.243513959	1.453875739	0.181471287	0.1	0.82	0.299100975	3.588922818	8572.735304
571.4	0.243615529	1.454482157	0.181500514	0.1	0.82	0.299149148	3.589500739	8576.324805
571.6	0.243717117	1.455088673	0.181529756	0.1	0.82	0.299197344	3.590078951	8579.914884
571.8	0.24381872	1.455695287	0.181559013	0.1	0.82	0.299245565	3.590657455	8583.505541
572	0.24392034	1.456302	0.181588284	0.1	0.82	0.29929381	3.59123625	8587.096778
572.2	0.244021977	1.456908811	0.18161757	0.1	0.82	0.29934208	3.591815337	8590.688593
572.4	0.24412363	1.457515721	0.181646871	0.1	0.82	0.299390373	3.592394717	8594.280988
572.6	0.2442253	1.458122729	0.181676187	0.1	0.82	0.299438691	3.592974389	8597.873962
572.8	0.244326986	1.458729835	0.181705518	0.1	0.82	0.299487034	3.593554353	8601.467517
573	0.244428688	1.45933704	0.181734863	0.1	0.82	0.299535401	3.59413461	8605.061651
573.2	0.244530407	1.459944344	0.181764223	0.1	0.82	0.299583792	3.594715161	8608.656366
573.4	0.244632143	1.460551746	0.181793598	0.1	0.82	0.299632208	3.595296004	8612.251662
573.6	0.244733895	1.461159247	0.181822988	0.1	0.82	0.299680649	3.595877142	8615.847539
573.8	0.244835664	1.461766846	0.181852393	0.1	0.82	0.299729114	3.596458573	8619.443998
574	0.244937449	1.462374545	0.181881812	0.1	0.82	0.299777603	3.597040299	8623.041038
574.2	0.245039251	1.462982342	0.181911247	0.1	0.82	0.299826117	3.597622319	8626.638661
574.4	0.245141069	1.463590238	0.181940696	0.1	0.82	0.299874655	3.598204633	8630.236865
574.6	0.245242904	1.464198233	0.18197016	0.1	0.82	0.299923218	3.598787243	8633.835653
574.8	0.245344755	1.464806327	0.18199964	0.1	0.82	0.299971806	3.599370147	8637.435023
575	0.245446623	1.46541452	0.182029134	0.1	0.82	0.300020418	3.599953348	8641.034976
575.2	0.245548508	1.466022812	0.182058643	0.1	0.82	0.300069055	3.600536843	8644.635513
575.4	0.245650409	1.466631203	0.182088167	0.1	0.82	0.300117717	3.601120635	8648.236634
575.6	0.245752327	1.467239694	0.182117706	0.1	0.82	0.300166403	3.601704723	8651.838338
575.8	0.245854262	1.467848284	0.18214726	0.1	0.82	0.300215114	3.602289107	8655.440627
576	0.245956213	1.468456973	0.182176829	0.1	0.82	0.30026385	3.602873787	8659.043501
576.2	0.246058181	1.469065761	0.182206413	0.1	0.82	0.300312611	3.603458765	8662.64696
576.4	0.246160165	1.469674649	0.182236013	0.1	0.82	0.300361396	3.60404404	8666.251004
576.6	0.246262166	1.470283636	0.182265627	0.1	0.82	0.300410206	3.604629612	8669.855634
576.8	0.246364184	1.470892723	0.182295256	0.1	0.82	0.300459041	3.605215482	8673.460849
577	0.246466218	1.471501909	0.1823249	0.1	0.82	0.300507901	3.60580165	8677.066651
577.2	0.246568269	1.472111195	0.18235456	0.1	0.82	0.300556785	3.606388116	8680.673039
577.4	0.246670337	1.47272058	0.182384234	0.1	0.82	0.300605695	3.606974881	8684.280014
577.6	0.246772422	1.473330065	0.182413924	0.1	0.82	0.300654629	3.607561944	8687.887576
577.8	0.246874523	1.47393965	0.182443629	0.1	0.82	0.300703589	3.608149306	8691.495725
578	0.246976641	1.474549335	0.182473348	0.1	0.82	0.300752573	3.608736968	8695.104462
578.2	0.247078775	1.47515912	0.182503083	0.1	0.82	0.300801582	3.609324929	8698.713787
578.4	0.247180927	1.475769004	0.182532834	0.1	0.82	0.300850616	3.609913189	8702.3237
578.6	0.247283095	1.476378989	0.182562599	0.1	0.82	0.300899675	3.61050175	8705.934202
578.8	0.24738528	1.476989073	0.182592379	0.1	0.82	0.30094876	3.611090611	8709.545292
579	0.247487481	1.477599258	0.182622175	0.1	0.82	0.300997869	3.611679772	8713.156972
579.2	0.2475897	1.478209542	0.182651986	0.1	0.82	0.301047003	3.612269234	8716.769241

579.4	0.247691935	1.478819927	0.182681812	0.1	0.82	0.301096163	3.612858997	8720.3821
579.6	0.247794187	1.479430412	0.182711654	0.1	0.82	0.301145347	3.613449061	8723.995549
579.8	0.247896455	1.480040997	0.18274151	0.1	0.82	0.301194557	3.614039427	8727.609589
580	0.247998741	1.480651683	0.182771382	0.1	0.82	0.301243792	3.614630095	8731.224219
580.2	0.248101043	1.481262469	0.182801269	0.1	0.82	0.301293052	3.615221064	8734.83944
580.4	0.248203362	1.481873355	0.182831172	0.1	0.82	0.301342337	3.615812336	8738.455252
580.6	0.248305698	1.482484342	0.18286109	0.1	0.82	0.301391648	3.616403911	8742.071656
580.8	0.248408051	1.483095429	0.182891023	0.1	0.82	0.301440984	3.616995788	8745.688652
581	0.248510421	1.483706617	0.182920971	0.1	0.82	0.301490345	3.617587969	8749.30624
581.2	0.248612807	1.484317906	0.182950935	0.1	0.82	0.301539731	3.618180452	8752.92442
581.4	0.248715211	1.484929295	0.182980914	0.1	0.82	0.301589142	3.61877324	8756.543194
581.6	0.248817631	1.485540785	0.183010909	0.1	0.82	0.301638579	3.619366331	8760.16256
581.8	0.248920068	1.486152375	0.183040918	0.1	0.82	0.301688042	3.619959726	8763.78252
582	0.249022522	1.486764067	0.183070944	0.1	0.82	0.301737529	3.620553426	8767.403073
582.2	0.249124993	1.487375859	0.183100984	0.1	0.82	0.301787042	3.621147431	8771.024221
582.4	0.249227481	1.487987753	0.18313104	0.1	0.82	0.301836581	3.62174174	8774.645962
582.6	0.249329986	1.488599747	0.183161112	0.1	0.82	0.301886145	3.622336354	8778.268299
582.8	0.249432507	1.489211843	0.183191199	0.1	0.82	0.301935734	3.622931274	8781.89123
583	0.249535046	1.489824039	0.183221301	0.1	0.82	0.301985349	3.6235265	8785.514756
583.2	0.249637602	1.490436337	0.183251419	0.1	0.82	0.30203499	3.624122032	8789.138879
583.4	0.249740174	1.491048735	0.183281553	0.1	0.82	0.302084655	3.62471787	8792.763596
583.6	0.249842764	1.491661236	0.183311702	0.1	0.82	0.302134347	3.625314014	8796.38891
583.8	0.24994537	1.492273837	0.183341866	0.1	0.82	0.302184064	3.625910465	8800.014821
584	0.250047993	1.49288654	0.183372046	0.1	0.82	0.302233807	3.626507223	8803.641328
584.2	0.250150634	1.493499344	0.183402242	0.1	0.82	0.302283575	3.627104289	8807.268432
584.4	0.250253291	1.494112249	0.183432453	0.1	0.82	0.302333369	3.627701662	8810.896134
584.6	0.250355966	1.494725257	0.183462679	0.1	0.82	0.302383188	3.628299343	8814.524433
584.8	0.250458657	1.495338365	0.183492922	0.1	0.82	0.302433034	3.628897331	8818.153331
585	0.250561365	1.495951575	0.18352318	0.1	0.82	0.302482905	3.629495629	8821.782826
585.2	0.250664091	1.496564887	0.183553453	0.1	0.82	0.302532801	3.630094235	8825.412921
585.4	0.250766833	1.497178301	0.183583742	0.1	0.82	0.302582724	3.630693149	8829.043614
585.6	0.250869593	1.497791817	0.183614047	0.1	0.82	0.302632672	3.631292373	8832.674906
585.8	0.250972369	1.498405434	0.183644367	0.1	0.82	0.302682646	3.631891907	8836.306798
586	0.251075163	1.499019153	0.183674703	0.1	0.82	0.302732646	3.63249175	8839.93929
586.2	0.251177974	1.499632974	0.183705055	0.1	0.82	0.302782671	3.633091903	8843.572382
586.4	0.251280801	1.500246897	0.183735422	0.1	0.82	0.302832723	3.633692366	8847.206074
586.6	0.251383646	1.500860922	0.183765805	0.1	0.82	0.3028828	3.63429314	8850.840367
586.8	0.251486508	1.50147505	0.183796204	0.1	0.82	0.302932904	3.634894225	8854.475261
587	0.251589387	1.502089279	0.183826619	0.1	0.82	0.302983033	3.63549562	8858.110757
587.2	0.251692284	1.502703611	0.183857049	0.1	0.82	0.303033188	3.636097327	8861.746854
587.4	0.251795197	1.503318044	0.183887495	0.1	0.82	0.303083369	3.636699346	8865.383554
587.6	0.251898128	1.50393258	0.183917957	0.1	0.82	0.303133577	3.637301676	8869.020855
587.8	0.252001075	1.504547219	0.183948435	0.1	0.82	0.30318381	3.637904319	8872.65876
588	0.25210404	1.50516196	0.183978928	0.1	0.82	0.303234069	3.638507274	8876.297267
588.2	0.252207022	1.505776803	0.184009437	0.1	0.82	0.303284354	3.639110542	8879.936378
588.4	0.252310021	1.506391749	0.184039962	0.1	0.82	0.303334666	3.639714122	8883.576092
588.6	0.252413037	1.507006797	0.184070503	0.1	0.82	0.303385003	3.640318016	8887.21641
588.8	0.252516071	1.507621949	0.18410106	0.1	0.82	0.303435367	3.640922223	8890.857332
589	0.252619121	1.508237202	0.184131633	0.1	0.82	0.303485757	3.641526744	8894.498859
589.2	0.252722189	1.508852559	0.184162221	0.1	0.82	0.303536173	3.642131579	8898.14099
589.4	0.252825274	1.509468018	0.184192826	0.1	0.82	0.303586615	3.642736729	8901.783727
589.6	0.252928377	1.51008358	0.184223446	0.1	0.82	0.303637084	3.643342193	8905.427069
589.8	0.253031496	1.510699245	0.184254082	0.1	0.82	0.303687578	3.643947972	8909.071017

590	0.253134633	1.511315013	0.184284734	0.1	0.82	0.303738099	3.644554066	8912.715571
590.2	0.253237787	1.511930884	0.184315403	0.1	0.82	0.303788647	3.645160475	8916.360732
590.4	0.253340958	1.512546858	0.184346087	0.1	0.82	0.30383922	3.6457672	8920.006499
590.6	0.253444147	1.513162935	0.184376787	0.1	0.82	0.30388982	3.646374241	8923.652873
590.8	0.253547353	1.513779116	0.184407503	0.1	0.82	0.303940446	3.646981599	8927.299855
591	0.253650576	1.514395399	0.184438235	0.1	0.82	0.303991099	3.647589273	8930.947444
591.2	0.253753816	1.515011786	0.184468983	0.1	0.82	0.304041778	3.648197263	8934.595641
591.4	0.253857074	1.515628276	0.184499747	0.1	0.82	0.304092484	3.648805571	8938.244447
591.6	0.253960349	1.516244869	0.184530528	0.1	0.82	0.304143216	3.649414196	8941.893861
591.8	0.254063642	1.516861566	0.184561324	0.1	0.82	0.304193974	3.650023139	8945.543884
592	0.254166951	1.517478367	0.184592136	0.1	0.82	0.304244759	3.6506324	8949.194517
592.2	0.254270278	1.518095271	0.184622965	0.1	0.82	0.304295571	3.651241978	8952.845758
592.4	0.254373623	1.518712278	0.184653809	0.1	0.82	0.304346409	3.651851876	8956.49761
592.6	0.254476985	1.519329389	0.18468467	0.1	0.82	0.304397273	3.652462092	8960.150072
592.8	0.254580364	1.519946604	0.184715547	0.1	0.82	0.304448165	3.653072627	8963.803145
593	0.25468376	1.520563923	0.18474644	0.1	0.82	0.304499082	3.653683481	8967.456829
593.2	0.254787174	1.521181345	0.184777349	0.1	0.82	0.304550027	3.654294655	8971.111123
593.4	0.254890606	1.521798872	0.184808274	0.1	0.82	0.304600998	3.654906149	8974.766029
593.6	0.254994054	1.522416502	0.184839216	0.1	0.82	0.304651996	3.655517963	8978.421547
593.8	0.25509752	1.523034236	0.184870174	0.1	0.82	0.30470302	3.656130098	8982.077677
594	0.255201004	1.523652075	0.184901148	0.1	0.82	0.304754072	3.656742553	8985.73442
594.2	0.255304505	1.524270017	0.184932138	0.1	0.82	0.30480515	3.657355329	8989.391775
594.4	0.255408023	1.524888063	0.184963144	0.1	0.82	0.304856255	3.657968426	8993.049744
594.6	0.255511559	1.525506214	0.184994167	0.1	0.82	0.304907386	3.658581846	8996.708326
594.8	0.255615113	1.526124469	0.185025206	0.1	0.82	0.304958545	3.659195586	9000.367521
595	0.255718684	1.526742828	0.185056261	0.1	0.82	0.30500973	3.659809649	9004.027331
595.2	0.255822272	1.527361292	0.185087333	0.1	0.82	0.305060942	3.660424035	9007.687755
595.4	0.255925878	1.52797986	0.185118421	0.1	0.82	0.305112181	3.661038743	9011.348794
595.6	0.256029501	1.528598533	0.185149525	0.1	0.82	0.305163448	3.661653774	9015.010447
595.8	0.256133142	1.52921731	0.185180646	0.1	0.82	0.305214741	3.662269128	9018.672716
596	0.2562368	1.529836191	0.185211783	0.1	0.82	0.305266061	3.662884806	9022.335601
596.2	0.256340476	1.530455178	0.185242936	0.1	0.82	0.305317408	3.663500808	9025.999102
596.4	0.256444169	1.531074269	0.185274106	0.1	0.82	0.305368782	3.664117134	9029.663219
596.6	0.25654788	1.531693464	0.185305292	0.1	0.82	0.305420183	3.664733784	9033.327953
596.8	0.256651609	1.532312765	0.185336495	0.1	0.82	0.305471611	3.66535076	9036.993304
597	0.256755355	1.53293217	0.185367714	0.1	0.82	0.305523066	3.66596806	9040.659272
597.2	0.256859118	1.533551681	0.185398949	0.1	0.82	0.305574548	3.666585685	9044.325858
597.4	0.2569629	1.534171296	0.185430201	0.1	0.82	0.305626058	3.667203636	9047.993061
597.6	0.257066698	1.534791016	0.18546147	0.1	0.82	0.305677594	3.667821913	9051.660883
597.8	0.257170515	1.535410842	0.185492755	0.1	0.82	0.305729158	3.668440515	9055.329324
598	0.257274349	1.536030772	0.185524056	0.1	0.82	0.305780749	3.669059445	9058.998383
598.2	0.2573782	1.536650808	0.185555374	0.1	0.82	0.305832368	3.669678701	9062.668062
598.4	0.25748207	1.537270949	0.185586709	0.1	0.82	0.305884013	3.670298284	9066.33836
598.6	0.257585957	1.537891195	0.18561806	0.1	0.82	0.305935686	3.670918194	9070.009278
598.8	0.257689861	1.538511547	0.185649427	0.1	0.82	0.305987386	3.671538432	9073.680817
599	0.257793783	1.539132004	0.185680812	0.1	0.82	0.306039114	3.672158998	9077.352976
599.2	0.257897723	1.539752567	0.185712212	0.1	0.82	0.306090868	3.672779892	9081.025756
599.4	0.258001681	1.540373235	0.18574363	0.1	0.82	0.306142651	3.673401114	9084.699157
599.6	0.258105656	1.540994008	0.185775064	0.1	0.82	0.30619446	3.674022666	9088.373179
599.8	0.258209649	1.541614888	0.185806515	0.1	0.82	0.306246297	3.674644546	9092.047824
600	0.25831366	1.542235873	0.185837982	0.1	0.82	0.306298162	3.675266756	9095.723091
600.2	0.258417688	1.542856964	0.185869466	0.1	0.82	0.306350054	3.675889295	9099.39898
600.4	0.258521734	1.54347816	0.185900967	0.1	0.82	0.306401973	3.676512164	9103.075492

600.6	0.258625798	1.544099463	0.185932484	0.1	0.82	0.30645392	3.677135364	9106.752627
600.8	0.258729879	1.544720871	0.185964018	0.1	0.82	0.306505895	3.677758894	9110.430386
601	0.258833979	1.545342385	0.185995569	0.1	0.82	0.306557897	3.678382754	9114.108769
601.2	0.258938096	1.545964006	0.186027137	0.1	0.82	0.306609927	3.679006946	9117.787776
601.4	0.25904223	1.546585732	0.186058721	0.1	0.82	0.306661984	3.679631469	9121.467408
601.6	0.259146383	1.547207565	0.186090323	0.1	0.82	0.30671407	3.680256324	9125.147664
601.8	0.259250553	1.547829504	0.18612194	0.1	0.82	0.306766182	3.680881511	9128.828545
602	0.259354742	1.548451549	0.186153575	0.1	0.82	0.306818323	3.681507031	9132.510052
602.2	0.259458948	1.5490737	0.186185227	0.1	0.82	0.306870491	3.682132883	9136.192185
602.4	0.259563171	1.549695958	0.186216895	0.1	0.82	0.306922687	3.682759067	9139.874944
602.6	0.259667413	1.550318323	0.186248581	0.1	0.82	0.306974911	3.683385585	9143.55833
602.8	0.259771672	1.550940793	0.186280283	0.1	0.82	0.307027162	3.684012437	9147.242342
603	0.25987595	1.551563371	0.186312002	0.1	0.82	0.307079442	3.684639622	9150.926982
603.2	0.259980245	1.552186054	0.186343738	0.1	0.82	0.307131749	3.685267141	9154.612249
603.4	0.260084558	1.552808845	0.186375491	0.1	0.82	0.307184084	3.685894995	9158.298144
603.6	0.260188889	1.553431742	0.186407261	0.1	0.82	0.307236447	3.686523183	9161.984667
603.8	0.260293238	1.554054746	0.186439047	0.1	0.82	0.307288838	3.687151707	9165.671819
604	0.260397604	1.554677857	0.186470851	0.1	0.82	0.307341257	3.687780565	9169.3596
604.2	0.260501989	1.555301075	0.186502672	0.1	0.82	0.307393703	3.688409759	9173.048009
604.4	0.260606392	1.5559244	0.186534509	0.1	0.82	0.307446178	3.68903929	9176.737049
604.6	0.260710812	1.556547832	0.186566364	0.1	0.82	0.307498681	3.689669156	9180.426718
604.8	0.26081525	1.557171371	0.186598236	0.1	0.82	0.307551212	3.690299359	9184.117017
605	0.260919707	1.557795017	0.186630124	0.1	0.82	0.307603771	3.690929898	9187.807947
605.2	0.261024181	1.55841877	0.18666203	0.1	0.82	0.307656358	3.691560775	9191.499508
605.4	0.261128673	1.55904263	0.186693953	0.1	0.82	0.307708973	3.692191989	9195.1917
605.6	0.261233183	1.559666598	0.186725893	0.1	0.82	0.307761617	3.69282354	9198.884523
605.8	0.261337712	1.560290673	0.18675785	0.1	0.82	0.307814288	3.69345543	9202.577979
606	0.261442258	1.560914855	0.186789824	0.1	0.82	0.307866988	3.694087658	9206.272066
606.2	0.261546822	1.561539145	0.186821815	0.1	0.82	0.307919716	3.694720225	9209.966787
606.4	0.261651404	1.562163543	0.186853824	0.1	0.82	0.307972472	3.69535313	9213.66214
606.6	0.261756004	1.562788048	0.186885849	0.1	0.82	0.308025257	3.695986375	9217.358126
606.8	0.261860622	1.56341266	0.186917892	0.1	0.82	0.30807807	3.696619959	9221.054746
607	0.261965259	1.564037381	0.186949952	0.1	0.82	0.308130911	3.697253883	9224.752
607.2	0.262069913	1.564662209	0.186982029	0.1	0.82	0.30818378	3.697888148	9228.449888
607.4	0.262174585	1.565287145	0.187014123	0.1	0.82	0.308236678	3.698522752	9232.148411
607.6	0.262279276	1.565912188	0.187046235	0.1	0.82	0.308289605	3.699157698	9235.847569
607.8	0.262383984	1.56653734	0.187078364	0.1	0.82	0.308342559	3.699792984	9239.547362
608	0.262488711	1.5671626	0.18711051	0.1	0.82	0.308395543	3.700428612	9243.24779
608.2	0.262593456	1.567787968	0.187142673	0.1	0.82	0.308448554	3.701064582	9246.948855
608.4	0.262698218	1.568413444	0.187174854	0.1	0.82	0.308501595	3.701700893	9250.650556
608.6	0.262802999	1.569039028	0.187207052	0.1	0.82	0.308554663	3.702337547	9254.352893
608.8	0.262907798	1.56966472	0.187239267	0.1	0.82	0.308607761	3.702974543	9258.055868
609	0.263012616	1.570290521	0.1872715	0.1	0.82	0.308660886	3.703611883	9261.75948
609.2	0.263117451	1.57091643	0.18730375	0.1	0.82	0.308714041	3.704249565	9265.463729
609.4	0.263222305	1.571542447	0.187336018	0.1	0.82	0.308767224	3.704887591	9269.168617
609.6	0.263327176	1.572168573	0.187368302	0.1	0.82	0.308820436	3.705525961	9272.874143
609.8	0.263432066	1.572794807	0.187400605	0.1	0.82	0.308873677	3.706164675	9276.580307
610	0.263536974	1.57342115	0.187432924	0.1	0.82	0.308926946	3.706803734	9280.287111
610.2	0.2636419	1.574047601	0.187465261	0.1	0.82	0.308980244	3.707443137	9283.994554
610.4	0.263746845	1.574674162	0.187497616	0.1	0.82	0.30903357	3.708082885	9287.702637
610.6	0.263851807	1.575300831	0.187529988	0.1	0.82	0.309086926	3.708722979	9291.41136
610.8	0.263956788	1.575927608	0.187562377	0.1	0.82	0.30914031	3.709363419	9295.120724
611	0.264061787	1.576554495	0.187594784	0.1	0.82	0.309193724	3.710004204	9298.830728

611.2	0.264166805	1.577181491	0.187627209	0.1	0.82	0.309247166	3.710645336	9302.541373
611.4	0.26427184	1.577808595	0.187659651	0.1	0.82	0.309300637	3.711286815	9306.25266
611.6	0.264376894	1.578435809	0.187692111	0.1	0.82	0.309354137	3.71192864	9309.964589
611.8	0.264481966	1.579063132	0.187724588	0.1	0.82	0.309407666	3.712570813	9313.677159
612	0.264587057	1.579690563	0.187757082	0.1	0.82	0.309461223	3.713213333	9317.390373
612.2	0.264692165	1.580318105	0.187789595	0.1	0.82	0.30951481	3.713856202	9321.104229
612.4	0.264797292	1.580945755	0.187822125	0.1	0.82	0.309568426	3.714499418	9324.818728
612.6	0.264902438	1.581573515	0.187854672	0.1	0.82	0.309622071	3.715142983	9328.533871
612.8	0.265007601	1.582201384	0.187887238	0.1	0.82	0.309675745	3.715786897	9332.249658
613	0.265112784	1.582829363	0.187919821	0.1	0.82	0.309729448	3.716431161	9335.966089
613.2	0.265217984	1.583457451	0.187952421	0.1	0.82	0.309783181	3.717075773	9339.683165
613.4	0.265323203	1.584085649	0.187985039	0.1	0.82	0.309836942	3.717720736	9343.400886
613.6	0.26542844	1.584713956	0.188017675	0.1	0.82	0.309890733	3.718366049	9347.119252
613.8	0.265533695	1.585342373	0.188050329	0.1	0.82	0.309944553	3.719011712	9350.838264
614	0.265638969	1.5859709	0.188083001	0.1	0.82	0.309998402	3.719657726	9354.557921
614.2	0.265744261	1.586599537	0.18811569	0.1	0.82	0.31005228	3.720304091	9358.278225
614.4	0.265849572	1.587228283	0.188148397	0.1	0.82	0.310106188	3.720950807	9361.999176
614.6	0.265954901	1.58785714	0.188181122	0.1	0.82	0.310160125	3.721597875	9365.720774
614.8	0.266060248	1.588486106	0.188213864	0.1	0.82	0.310214091	3.722245296	9369.443019
615	0.266165614	1.589115183	0.188246625	0.1	0.82	0.310268087	3.722893068	9373.165913
615.2	0.266270999	1.58974437	0.188279403	0.1	0.82	0.310322112	3.723541194	9376.889454
615.4	0.266376401	1.590373667	0.188312199	0.1	0.82	0.310376167	3.724189672	9380.613643
615.6	0.266481823	1.591003074	0.188345013	0.1	0.82	0.310430251	3.724838504	9384.338482
615.8	0.266587262	1.591632591	0.188377845	0.1	0.82	0.310484364	3.72548769	9388.06397
616	0.266692721	1.592262219	0.188410695	0.1	0.82	0.310538507	3.726137229	9391.790107
616.2	0.266798197	1.592891958	0.188443563	0.1	0.82	0.31059268	3.726787123	9395.516894
616.4	0.266903693	1.593521806	0.188476448	0.1	0.82	0.310646882	3.727437371	9399.244331
616.6	0.267009206	1.594151766	0.188509352	0.1	0.82	0.310701114	3.728087975	9402.972419
616.8	0.267114739	1.594781836	0.188542273	0.1	0.82	0.310755375	3.728738934	9406.701158
617	0.267220289	1.595412016	0.188575213	0.1	0.82	0.310809666	3.729390248	9410.430548
617.2	0.267325859	1.596042308	0.188608171	0.1	0.82	0.310863987	3.730041919	9414.16059
617.4	0.267431447	1.59667271	0.188641146	0.1	0.82	0.310918337	3.730693945	9417.891284
617.6	0.267537053	1.597303223	0.18867414	0.1	0.82	0.310972717	3.731346329	9421.622631
617.8	0.267642678	1.597933847	0.188707152	0.1	0.82	0.311027127	3.731999069	9425.35463
618	0.267748322	1.598564582	0.188740181	0.1	0.82	0.311081567	3.732652166	9429.087282
618.2	0.267853984	1.599195428	0.188773229	0.1	0.82	0.311136037	3.733305621	9432.820587
618.4	0.267959665	1.599826385	0.188806295	0.1	0.82	0.311190536	3.733959435	9436.554547
618.6	0.268065365	1.600457453	0.188839379	0.1	0.82	0.311245065	3.734613606	9440.289161
618.8	0.268171083	1.601088632	0.188872482	0.1	0.82	0.311299624	3.735268136	9444.024429
619	0.268276819	1.601719923	0.188905602	0.1	0.82	0.311354213	3.735923025	9447.760352
619.2	0.268382575	1.602351325	0.188938741	0.1	0.82	0.311408832	3.736578273	9451.49693
619.4	0.268488349	1.602982838	0.188971897	0.1	0.82	0.311463481	3.73723388	9455.234164
619.6	0.268594142	1.603614463	0.189005072	0.1	0.82	0.31151816	3.737889848	9458.972054
619.8	0.268699953	1.6042462	0.189038265	0.1	0.82	0.311572869	3.738546176	9462.7106
620	0.268805783	1.604878048	0.189071477	0.1	0.82	0.311627608	3.739202864	9466.449803
620.2	0.268911632	1.605510007	0.189104707	0.1	0.82	0.311682377	3.739859913	9470.189663
620.4	0.269017499	1.606142079	0.189137955	0.1	0.82	0.311737177	3.740517324	9473.93018
620.6	0.269123386	1.606774262	0.189171221	0.1	0.82	0.311792006	3.741175096	9477.671355
620.8	0.269229291	1.607406557	0.189204505	0.1	0.82	0.311846866	3.74183323	9481.413188
621	0.269335214	1.608038964	0.189237808	0.1	0.82	0.311901755	3.742491727	9485.15568
621.2	0.269441157	1.608671483	0.189271129	0.1	0.82	0.311956675	3.743150585	9488.898831
621.4	0.269547118	1.609304114	0.189304469	0.1	0.82	0.312011626	3.743809807	9492.64264
621.6	0.269653098	1.609936857	0.189337827	0.1	0.82	0.312066606	3.744469392	9496.38711

621.8	0.269759097	1.610569712	0.189371203	0.1	0.82	0.312121617	3.745129341	9500.132239
622	0.269865114	1.611202679	0.189404598	0.1	0.82	0.312176658	3.745789654	9503.878029
622.2	0.269971151	1.611835759	0.189438011	0.1	0.82	0.31223173	3.74645033	9507.624479
622.4	0.270077206	1.612468951	0.189471443	0.1	0.82	0.312286832	3.747111372	9511.371591
622.6	0.27018328	1.613102255	0.189504893	0.1	0.82	0.312341964	3.747772778	9515.119363
622.8	0.270289373	1.613735672	0.189538361	0.1	0.82	0.312397127	3.74843455	9518.867798
623	0.270395485	1.614369201	0.189571848	0.1	0.82	0.312452321	3.749096687	9522.616895
623.2	0.270501615	1.615002843	0.189605354	0.1	0.82	0.312507544	3.749759191	9526.366654
623.4	0.270607765	1.615636598	0.189638878	0.1	0.82	0.312562799	3.75042206	9530.117076
623.6	0.270713933	1.616270465	0.189672421	0.1	0.82	0.312618084	3.751085296	9533.868161
623.8	0.27082012	1.616904445	0.189705982	0.1	0.82	0.312673399	3.7517489	9537.61991
624	0.270926326	1.617538538	0.189739562	0.1	0.82	0.312728746	3.75241287	9541.372323
624.2	0.271032551	1.618172744	0.18977316	0.1	0.82	0.312784122	3.753077208	9545.1254
624.4	0.271138795	1.618807062	0.189806777	0.1	0.82	0.31283953	3.753741914	9548.879142
624.6	0.271245058	1.619441494	0.189840413	0.1	0.82	0.312894968	3.754406989	9552.633549
624.8	0.27135134	1.620076039	0.189874067	0.1	0.82	0.312950437	3.755072432	9556.388621
625	0.27145764	1.620710697	0.18990774	0.1	0.82	0.313005937	3.755738245	9560.14436
625.2	0.27156396	1.621345468	0.189941432	0.1	0.82	0.313061467	3.756404426	9563.900764
625.4	0.271670299	1.621980353	0.189975142	0.1	0.82	0.313117029	3.757070978	9567.657835
625.6	0.271776657	1.62261535	0.190008871	0.1	0.82	0.313172621	3.757737899	9571.415573
625.8	0.271883033	1.623250462	0.190042619	0.1	0.82	0.313228244	3.758405191	9575.173978
626	0.271989429	1.623885686	0.190076385	0.1	0.82	0.313283898	3.759072853	9578.933051
626.2	0.272095844	1.624521024	0.190110171	0.1	0.82	0.313339583	3.759740887	9582.692792
626.4	0.272202277	1.625156476	0.190143975	0.1	0.82	0.313395299	3.760409292	9586.453201
626.6	0.27230873	1.625792042	0.190177798	0.1	0.82	0.313451046	3.761078069	9590.214279
626.8	0.272415202	1.626427721	0.190211639	0.1	0.82	0.313506824	3.761747218	9593.976026
627	0.272521693	1.627063514	0.1902455	0.1	0.82	0.313562633	3.76241674	9597.738443
627.2	0.272628203	1.627699421	0.190279379	0.1	0.82	0.313618473	3.763086634	9601.50153
627.4	0.272734732	1.628335441	0.190313278	0.1	0.82	0.313674344	3.763756902	9605.265287
627.6	0.27284128	1.628971576	0.190347195	0.1	0.82	0.313730246	3.764427543	9609.029714
627.8	0.272947847	1.629607825	0.190381131	0.1	0.82	0.31378618	3.765098558	9612.794813
628	0.273054433	1.630244188	0.190415086	0.1	0.82	0.313842145	3.765769948	9616.560583
628.2	0.273161039	1.630880665	0.19044906	0.1	0.82	0.313898141	3.766441712	9620.327024
628.4	0.273267663	1.631517256	0.190483053	0.1	0.82	0.313954168	3.767113851	9624.094138
628.6	0.273374307	1.632153961	0.190517065	0.1	0.82	0.314010226	3.767786365	9627.861925
628.8	0.27348097	1.632790781	0.190551096	0.1	0.82	0.314066316	3.768459255	9631.630384
629	0.273587652	1.633427716	0.190585146	0.1	0.82	0.314122437	3.76913252	9635.399516
629.2	0.273694353	1.634064765	0.190619215	0.1	0.82	0.31417859	3.769806163	9639.169323
629.4	0.273801073	1.634701928	0.190653303	0.1	0.82	0.314234774	3.770480181	9642.939803
629.6	0.273907813	1.635339206	0.19068741	0.1	0.82	0.314290989	3.771154577	9646.710957
629.8	0.274014572	1.635976598	0.190721536	0.1	0.82	0.314347236	3.771829351	9650.482787
630	0.27412135	1.636614106	0.190755682	0.1	0.82	0.314403514	3.772504502	9654.255291
630.2	0.274228147	1.637251728	0.190789846	0.1	0.82	0.314459824	3.773180031	9658.028471
630.4	0.274334963	1.637889465	0.19082403	0.1	0.82	0.314516166	3.773855939	9661.802327
630.6	0.274441799	1.638527317	0.190858232	0.1	0.82	0.314572539	3.774532226	9665.576859
630.8	0.274548654	1.639165284	0.190892454	0.1	0.82	0.314628943	3.775208891	9669.352068
631	0.274655528	1.639803366	0.190926696	0.1	0.82	0.31468538	3.775885937	9673.127954
631.2	0.274762422	1.640441564	0.190960956	0.1	0.82	0.314741847	3.776563362	9676.904518
631.4	0.274869335	1.641079876	0.190995235	0.1	0.82	0.314798347	3.777241168	9680.681759
631.6	0.274976267	1.641718304	0.191029534	0.1	0.82	0.314854879	3.777919354	9684.459678
631.8	0.275083218	1.642356847	0.191063852	0.1	0.82	0.314911442	3.778597921	9688.238276
632	0.275190189	1.642995505	0.19109819	0.1	0.82	0.314968037	3.779276869	9692.017553
632.2	0.275297179	1.643634279	0.191132547	0.1	0.82	0.315024663	3.7799562	9695.797509

632.4	0.275404189	1.644273169	0.191166923	0.1	0.82	0.315081322	3.780635912	9699.578145
632.6	0.275511218	1.644912174	0.191201318	0.1	0.82	0.315138012	3.781316007	9703.359461
632.8	0.275618266	1.645551294	0.191235733	0.1	0.82	0.315194735	3.781996484	9707.141458
633	0.275725333	1.646190531	0.191270167	0.1	0.82	0.315251489	3.782677345	9710.924135
633.2	0.27583242	1.646829883	0.191304621	0.1	0.82	0.315308276	3.783358589	9714.707493
633.4	0.275939527	1.647469351	0.191339094	0.1	0.82	0.315365094	3.784040217	9718.491534
633.6	0.276046653	1.648108935	0.191373586	0.1	0.82	0.315421944	3.784722229	9722.276256
633.8	0.276153798	1.648748635	0.191408098	0.1	0.82	0.315478827	3.785404626	9726.061661
634	0.276260963	1.649388451	0.191442629	0.1	0.82	0.315535741	3.786087408	9729.847748
634.2	0.276368147	1.650028383	0.19147718	0.1	0.82	0.315592688	3.786770575	9733.634519
634.4	0.27647535	1.650668431	0.19151175	0.1	0.82	0.315649667	3.787454128	9737.421973
634.6	0.276582573	1.651308595	0.19154634	0.1	0.82	0.315706678	3.788138067	9741.210111
634.8	0.276689816	1.651948876	0.19158095	0.1	0.82	0.315763721	3.788822393	9744.998933
635	0.276797078	1.652589274	0.191615579	0.1	0.82	0.315820796	3.789507105	9748.78844
635.2	0.276904359	1.653229787	0.191650227	0.1	0.82	0.315877904	3.790192205	9752.578632
635.4	0.27701166	1.653870417	0.191684895	0.1	0.82	0.315935044	3.790877691	9756.36951
635.6	0.277118981	1.654511164	0.191719583	0.1	0.82	0.315992217	3.791563566	9760.161074
635.8	0.277226321	1.655152028	0.19175429	0.1	0.82	0.316049422	3.79224983	9763.953324
636	0.277333681	1.655793008	0.191789018	0.1	0.82	0.316106659	3.792936481	9767.74626
636.2	0.27744106	1.656434105	0.191823764	0.1	0.82	0.316163928	3.793623522	9771.539884
636.4	0.277548459	1.657075318	0.191858531	0.1	0.82	0.31622123	3.794310952	9775.334194
636.6	0.277655877	1.657716649	0.191893317	0.1	0.82	0.316278565	3.794998772	9779.129193
636.8	0.277763315	1.658358097	0.191928123	0.1	0.82	0.316335932	3.795686982	9782.92488
637	0.277870773	1.658999661	0.191962949	0.1	0.82	0.316393332	3.796375583	9786.721256
637.2	0.27797825	1.659641343	0.191997794	0.1	0.82	0.316450764	3.797064574	9790.51832
637.4	0.278085747	1.660283142	0.192032659	0.1	0.82	0.316508229	3.797753957	9794.316074
637.6	0.278193263	1.660925058	0.192067544	0.1	0.82	0.316565726	3.798443731	9798.114518
637.8	0.278300799	1.661567092	0.192102449	0.1	0.82	0.316623257	3.799133898	9801.913652
638	0.278408355	1.662209243	0.192137374	0.1	0.82	0.316680819	3.799824456	9805.713476
638.2	0.27851593	1.662851511	0.192172318	0.1	0.82	0.316738415	3.800515408	9809.513992
638.4	0.278623526	1.663493897	0.192207283	0.1	0.82	0.316796044	3.801206752	9813.315199
638.6	0.27873114	1.6641364	0.192242267	0.1	0.82	0.316853705	3.80189849	9817.117097
638.8	0.278838775	1.664779021	0.192277272	0.1	0.82	0.316911399	3.802590622	9820.919688
639	0.278946429	1.66542176	0.192312296	0.1	0.82	0.316969126	3.803283149	9824.722971
639.2	0.279054103	1.666064617	0.19234734	0.1	0.82	0.317026886	3.803976069	9828.526947
639.4	0.279161797	1.666707591	0.192382404	0.1	0.82	0.317084678	3.804669385	9832.331616
639.6	0.27926951	1.667350684	0.192417488	0.1	0.82	0.317142504	3.805363096	9836.136979
639.8	0.279377243	1.667993894	0.192452593	0.1	0.82	0.317200363	3.806057203	9839.943037
640	0.279484996	1.668637222	0.192487717	0.1	0.82	0.317258255	3.806751706	9843.749788
640.2	0.279592769	1.669280669	0.192522861	0.1	0.82	0.31731618	3.807446606	9847.557235
640.4	0.279700562	1.669924234	0.192558025	0.1	0.82	0.317374137	3.808141902	9851.365377
640.6	0.279808374	1.670567916	0.19259321	0.1	0.82	0.317432129	3.808837596	9855.174214
640.8	0.279916206	1.671211718	0.192628414	0.1	0.82	0.317490153	3.809533688	9858.983748
641	0.280024058	1.671855637	0.192663639	0.1	0.82	0.31754821	3.810230177	9862.793978
641.2	0.28013193	1.672499676	0.192698884	0.1	0.82	0.317606301	3.810927065	9866.604905
641.4	0.280239822	1.673143832	0.192734149	0.1	0.82	0.317664425	3.811624352	9870.41653
641.6	0.280347733	1.673788108	0.192769434	0.1	0.82	0.317722582	3.812322038	9874.228852
641.8	0.280455665	1.674432502	0.19280474	0.1	0.82	0.317780772	3.813020123	9878.041872
642	0.280563616	1.675077014	0.192840066	0.1	0.82	0.317838996	3.813718609	9881.85559
642.2	0.280671587	1.675721646	0.192875411	0.1	0.82	0.317897253	3.814417495	9885.670008
642.4	0.280779579	1.676366396	0.192910778	0.1	0.82	0.317955544	3.815116781	9889.485125
642.6	0.28088759	1.677011265	0.192946164	0.1	0.82	0.318013868	3.815816469	9893.300941
642.8	0.280995621	1.677656254	0.192981571	0.1	0.82	0.318072225	3.816516558	9897.117458

643	0.281103672	1.678301361	0.193016998	0.1	0.82	0.318130616	3.817217049	9900.934675
643.2	0.281211743	1.678946588	0.193052446	0.1	0.82	0.318189041	3.817917942	9904.752593
643.4	0.281319833	1.679591933	0.193087913	0.1	0.82	0.318247499	3.818619239	9908.571212
643.6	0.281427944	1.680237398	0.193123402	0.1	0.82	0.318305991	3.819320938	9912.390533
643.8	0.281536075	1.680882983	0.19315891	0.1	0.82	0.318364516	3.82002304	9916.210556
644	0.281644226	1.681528687	0.193194439	0.1	0.82	0.318423075	3.820725547	9920.031282
644.2	0.281752397	1.68217451	0.193229989	0.1	0.82	0.318481668	3.821428457	9923.85271
644.4	0.281860588	1.682820453	0.193265559	0.1	0.82	0.318540294	3.822131772	9927.674842
644.6	0.281968799	1.683466515	0.193301149	0.1	0.82	0.318598955	3.822835493	9931.497677
644.8	0.28207703	1.684112697	0.19333676	0.1	0.82	0.318657649	3.823539618	9935.321217
645	0.282185281	1.684758999	0.193372392	0.1	0.82	0.318716376	3.82424415	9939.145461
645.2	0.282293552	1.685405421	0.193408044	0.1	0.82	0.318775138	3.824949087	9942.97041
645.4	0.282401843	1.686051963	0.193443717	0.1	0.82	0.318833934	3.825654432	9946.796065
645.6	0.282510154	1.686698625	0.19347941	0.1	0.82	0.318892763	3.826360183	9950.622425
645.8	0.282618486	1.687345406	0.193515124	0.1	0.82	0.318951627	3.827066341	9954.449491
646	0.282726837	1.687992308	0.193550858	0.1	0.82	0.319010524	3.827772908	9958.277264
646.2	0.282835209	1.68863933	0.193586613	0.1	0.82	0.319069456	3.828479882	9962.105744
646.4	0.2829436	1.689286472	0.193622389	0.1	0.82	0.319128422	3.829187265	9965.934931
646.6	0.283052012	1.689933735	0.193658185	0.1	0.82	0.319187421	3.829895057	9969.764826
646.8	0.283160445	1.690581118	0.193694003	0.1	0.82	0.319246455	3.830603259	9973.595429
647	0.283268897	1.691228622	0.193729841	0.1	0.82	0.319305523	3.83131187	9977.426741
647.2	0.283377369	1.691876246	0.193765699	0.1	0.82	0.319364625	3.832020891	9981.258762
647.4	0.283485862	1.69252399	0.193801579	0.1	0.82	0.319423762	3.832730323	9985.091493
647.6	0.283594375	1.693171855	0.193837479	0.1	0.82	0.319482933	3.833440166	9988.924933
647.8	0.283702908	1.693819842	0.1938734	0.1	0.82	0.319542138	3.83415042	9992.759083
648	0.283811461	1.694467948	0.193909342	0.1	0.82	0.319601377	3.834861086	9996.593944
648.2	0.283920035	1.695116176	0.193945304	0.1	0.82	0.319660651	3.835572164	10000.42952
648.4	0.284028629	1.695764525	0.193981288	0.1	0.82	0.319719959	3.836283655	10004.2658
648.6	0.284137243	1.696412995	0.194017292	0.1	0.82	0.319779301	3.836995558	10008.1028
648.8	0.284245877	1.697061585	0.194053318	0.1	0.82	0.319838678	3.837707875	10011.9405
649	0.284354532	1.697710297	0.194089364	0.1	0.82	0.31989809	3.838420606	10015.77892
649.2	0.284463207	1.698359131	0.194125431	0.1	0.82	0.319957536	3.839133751	10019.61806
649.4	0.284571902	1.699008085	0.194161519	0.1	0.82	0.320017016	3.83984731	10023.45791
649.6	0.284680618	1.699657161	0.194197628	0.1	0.82	0.320076531	3.840561285	10027.29847
649.8	0.284789354	1.700306359	0.194233759	0.1	0.82	0.320136081	3.841275674	10031.13974
650	0.28489811	1.700955678	0.19426991	0.1	0.82	0.320195666	3.84199048	10034.98173
650.2	0.285006887	1.701605118	0.194306082	0.1	0.82	0.320255285	3.842705702	10038.82444
650.4	0.285115684	1.70225468	0.194342276	0.1	0.82	0.320314939	3.84342134	10042.66786
650.6	0.285224502	1.702904364	0.19437849	0.1	0.82	0.320374627	3.844137395	10046.512
650.8	0.285333339	1.70355417	0.194414726	0.1	0.82	0.320434351	3.844853868	10050.35685
651	0.285442198	1.704204098	0.194450982	0.1	0.82	0.320494109	3.845570759	10054.20242
651.2	0.285551077	1.704854147	0.19448726	0.1	0.82	0.320553902	3.846288068	10058.04871
651.4	0.285659976	1.705504319	0.194523559	0.1	0.82	0.32061373	3.847005795	10061.89572
651.6	0.285768895	1.706154612	0.194559879	0.1	0.82	0.320673593	3.847723942	10065.74344
651.8	0.285877835	1.706805028	0.194596221	0.1	0.82	0.320733491	3.848442508	10069.59188
652	0.285986796	1.707455566	0.194632584	0.1	0.82	0.320793424	3.849161494	10073.44104
652.2	0.286095777	1.708106227	0.194668968	0.1	0.82	0.320853392	3.8498809	10077.29092
652.4	0.286204779	1.70875701	0.194705373	0.1	0.82	0.320913395	3.850600727	10081.14153
652.6	0.286313801	1.709407915	0.194741799	0.1	0.82	0.320973434	3.851320975	10084.99285
652.8	0.286422843	1.710058943	0.194778247	0.1	0.82	0.321033507	3.852041644	10088.84489
653	0.286531906	1.710710093	0.194814716	0.1	0.82	0.321093616	3.852762736	10092.69765
653.2	0.28664099	1.711361366	0.194851207	0.1	0.82	0.321153759	3.85348425	10096.55113
653.4	0.286750094	1.712012762	0.194887719	0.1	0.82	0.321213938	3.854206186	10100.40534

653.6	0.286859219	1.712664281	0.194924252	0.1	0.82	0.321274153	3.854928546	10104.26027
653.8	0.286968364	1.713315922	0.194960807	0.1	0.82	0.321334402	3.85565133	10108.11592
654	0.28707753	1.713967687	0.194997383	0.1	0.82	0.321394687	3.856374537	10111.9723
654.2	0.287186717	1.714619574	0.195033981	0.1	0.82	0.321455008	3.857098169	10115.82939
654.4	0.287295924	1.715271585	0.1950706	0.1	0.82	0.321515363	3.857822226	10119.68722
654.6	0.287405152	1.715923719	0.195107241	0.1	0.82	0.321575755	3.858546708	10123.54576
654.8	0.2875144	1.716575976	0.195143903	0.1	0.82	0.321636181	3.859271616	10127.40503
655	0.287623669	1.717228356	0.195180587	0.1	0.82	0.321696644	3.85999695	10131.26503
655.2	0.287732959	1.71788086	0.195217292	0.1	0.82	0.321757141	3.860722711	10135.12575
655.4	0.28784227	1.718533487	0.195254019	0.1	0.82	0.321817675	3.861448898	10138.9872
655.6	0.287951601	1.719186238	0.195290768	0.1	0.82	0.321878244	3.862175513	10142.84938
655.8	0.288060953	1.719839112	0.195327538	0.1	0.82	0.321938849	3.862902556	10146.71228
656	0.288170325	1.720492111	0.19536433	0.1	0.82	0.321999489	3.863630026	10150.57591
656.2	0.288279719	1.721145232	0.195401144	0.1	0.82	0.322060165	3.864357926	10154.44027
656.4	0.288389133	1.721798478	0.195437979	0.1	0.82	0.322120877	3.865086255	10158.30535
656.6	0.288498568	1.722451848	0.195474836	0.1	0.82	0.322181625	3.865815013	10162.17117
656.8	0.288608023	1.723105341	0.195511715	0.1	0.82	0.322242409	3.866544201	10166.03771
657	0.2887175	1.723758959	0.195548615	0.1	0.82	0.322303228	3.86727382	10169.90499
657.2	0.288826997	1.724412701	0.195585538	0.1	0.82	0.322364083	3.868003869	10173.77299
657.4	0.288936515	1.725066567	0.195622482	0.1	0.82	0.322424975	3.868734349	10177.64173
657.6	0.289046053	1.725720557	0.195659448	0.1	0.82	0.322485902	3.869465261	10181.51119
657.8	0.289155613	1.726374672	0.195696436	0.1	0.82	0.322546865	3.870196606	10185.38139
658	0.289265193	1.727028911	0.195733446	0.1	0.82	0.322607865	3.870928382	10189.25232
658.2	0.289374795	1.727683275	0.195770477	0.1	0.82	0.3226689	3.871660592	10193.12398
658.4	0.289484417	1.728337763	0.195807531	0.1	0.82	0.322729972	3.872393235	10196.99637
658.6	0.28959406	1.728992376	0.195844606	0.1	0.82	0.32279108	3.873126312	10200.8695
658.8	0.289703724	1.729647113	0.195881704	0.1	0.82	0.322852224	3.873859823	10204.74336
659	0.289813409	1.730301975	0.195918823	0.1	0.82	0.322913404	3.874593769	10208.61795
659.2	0.289923114	1.730956963	0.195955965	0.1	0.82	0.322974621	3.87532815	10212.49328
659.4	0.290032841	1.731612075	0.195993128	0.1	0.82	0.323035874	3.876062966	10216.36934
659.6	0.290142589	1.732267312	0.196030314	0.1	0.82	0.323097163	3.876798218	10220.24614
659.8	0.290252357	1.732922674	0.196067521	0.1	0.82	0.323158488	3.877533907	10224.12367
660	0.290362147	1.733578162	0.196104751	0.1	0.82	0.32321985	3.878270032	10228.00194
660.2	0.290471957	1.734233774	0.196142003	0.1	0.82	0.323281249	3.879006595	10231.88095
660.4	0.290581789	1.734889513	0.196179277	0.1	0.82	0.323342684	3.879743596	10235.76069
660.6	0.290691641	1.735545376	0.196216573	0.1	0.82	0.323404155	3.880481034	10239.64117
660.8	0.290801515	1.736201365	0.196253891	0.1	0.82	0.323465663	3.881218912	10243.52239
661	0.29091141	1.736857479	0.196291232	0.1	0.82	0.323527208	3.881957228	10247.40435
661.2	0.291021325	1.737513719	0.196328594	0.1	0.82	0.323588789	3.882695984	10251.28705
661.4	0.291131262	1.738170085	0.196365979	0.1	0.82	0.323650407	3.883435179	10255.17048
661.6	0.291241219	1.738826577	0.196403387	0.1	0.82	0.323712062	3.884174815	10259.05466
661.8	0.291351198	1.739483194	0.196440816	0.1	0.82	0.323773753	3.884914892	10262.93957
662	0.291461198	1.740139937	0.196478268	0.1	0.82	0.323835482	3.88565541	10266.82523
662.2	0.291571219	1.740796807	0.196515742	0.1	0.82	0.323897247	3.886396369	10270.71162
662.4	0.291681261	1.741453802	0.196553239	0.1	0.82	0.323959049	3.887137771	10274.59876
662.6	0.291791324	1.742110924	0.196590758	0.1	0.82	0.324020887	3.887879615	10278.48664
662.8	0.291901409	1.742768171	0.196628299	0.1	0.82	0.324082763	3.888621903	10282.37526
663	0.292011514	1.743425545	0.196665863	0.1	0.82	0.324144676	3.889364633	10286.26463
663.2	0.292121641	1.744083046	0.19670345	0.1	0.82	0.324206626	3.890107808	10290.15474
663.4	0.292231789	1.744740673	0.196741058	0.1	0.82	0.324268612	3.890851427	10294.04559
663.6	0.292341958	1.745398426	0.19677869	0.1	0.82	0.324330636	3.891595491	10297.93718
663.8	0.292452148	1.746056306	0.196816343	0.1	0.82	0.324392697	3.892339999	10301.82952
664	0.29256236	1.746714313	0.19685402	0.1	0.82	0.324454795	3.893084954	10305.72261

664.2	0.292672593	1.747372446	0.196891719	0.1	0.82	0.324516931	3.893830355	10309.61644
664.4	0.292782847	1.748030707	0.19692944	0.1	0.82	0.324579103	3.894576202	10313.51101
664.6	0.292893122	1.748689094	0.196967184	0.1	0.82	0.324641313	3.895322496	10317.40634
664.8	0.293003418	1.749347608	0.197004951	0.1	0.82	0.32470356	3.896069238	10321.30241
665	0.293113736	1.750006249	0.19704274	0.1	0.82	0.324765845	3.896816428	10325.19922
665.2	0.293224075	1.750665018	0.197080552	0.1	0.82	0.324828166	3.897564066	10329.09679
665.4	0.293334435	1.751323914	0.197118387	0.1	0.82	0.324890526	3.898312153	10332.9951
665.6	0.293444817	1.751982937	0.197156245	0.1	0.82	0.324952922	3.899060689	10336.89416
665.8	0.29355522	1.752642087	0.197194125	0.1	0.82	0.325015357	3.899809675	10340.79397
666	0.293665645	1.753301365	0.197232028	0.1	0.82	0.325077828	3.900559111	10344.69453
666.2	0.29377609	1.75396077	0.197269954	0.1	0.82	0.325140338	3.901308997	10348.59584
666.4	0.293886557	1.754620303	0.197307902	0.1	0.82	0.325202885	3.902059335	10352.4979
666.6	0.293997046	1.755279963	0.197345874	0.1	0.82	0.325265469	3.902810124	10356.40071
666.8	0.294107556	1.755939752	0.197383868	0.1	0.82	0.325328092	3.903561366	10360.30427
667	0.294218087	1.756599668	0.197421885	0.1	0.82	0.325390752	3.90431306	10364.20858
667.2	0.29432864	1.757259712	0.197459926	0.1	0.82	0.325453449	3.905065206	10368.11365
667.4	0.294439214	1.757919884	0.197497989	0.1	0.82	0.325516185	3.905817806	10372.01946
667.6	0.29454981	1.758580184	0.197536075	0.1	0.82	0.325578958	3.90657086	10375.92603
667.8	0.294660427	1.759240612	0.197574184	0.1	0.82	0.32564177	3.907324369	10379.83336
668	0.294771065	1.759901169	0.197612316	0.1	0.82	0.325704619	3.908078332	10383.74144
668.2	0.294881725	1.760561854	0.197650471	0.1	0.82	0.325767506	3.90883275	10387.65027
668.4	0.294992407	1.761222667	0.197688649	0.1	0.82	0.325830431	3.909587624	10391.55986
668.6	0.29510311	1.761883609	0.19772685	0.1	0.82	0.325893394	3.910342954	10395.4702
668.8	0.295213835	1.762544679	0.197765074	0.1	0.82	0.325956396	3.91109874	10399.3813
669	0.295324581	1.763205878	0.197803322	0.1	0.82	0.326019435	3.911854984	10403.29315
669.2	0.295435349	1.763867205	0.197841592	0.1	0.82	0.326082513	3.912611686	10407.20577
669.4	0.295546138	1.764528661	0.197879886	0.1	0.82	0.326145628	3.913368845	10411.11913
669.6	0.295656949	1.765190247	0.197918203	0.1	0.82	0.326208782	3.914126463	10415.03326
669.8	0.295767781	1.765851961	0.197956543	0.1	0.82	0.326271974	3.914884539	10418.94815
670	0.295878635	1.766513804	0.197994906	0.1	0.82	0.326335205	3.915643075	10422.86379
670.2	0.295989511	1.767175776	0.198033293	0.1	0.82	0.326398474	3.916402071	10426.78019
670.4	0.296100408	1.767837877	0.198071703	0.1	0.82	0.326461781	3.917161528	10430.69735
670.6	0.296211327	1.768500108	0.198110136	0.1	0.82	0.326525127	3.917921445	10434.61527
670.8	0.296322268	1.769162467	0.198148593	0.1	0.82	0.326588511	3.918681823	10438.53396
671	0.29643323	1.769824957	0.198187073	0.1	0.82	0.326651933	3.919442663	10442.4534
671.2	0.296544214	1.770487576	0.198225576	0.1	0.82	0.326715394	3.920203966	10446.3736
671.4	0.29665522	1.771150324	0.198264103	0.1	0.82	0.326778894	3.920965731	10450.29457
671.6	0.296766247	1.771813202	0.198302653	0.1	0.82	0.326842432	3.921727959	10454.2163
671.8	0.296877296	1.772476209	0.198341226	0.1	0.82	0.326906009	3.922490651	10458.13879
672	0.296988367	1.773139347	0.198379824	0.1	0.82	0.326969625	3.923253807	10462.06204
672.2	0.29709946	1.773802614	0.198418444	0.1	0.82	0.32703328	3.924017428	10465.98606
672.4	0.297210574	1.774466012	0.198457088	0.1	0.82	0.327096973	3.924781513	10469.91084
672.6	0.29732171	1.775129539	0.198495756	0.1	0.82	0.327160705	3.925546064	10473.83639
672.8	0.297432868	1.775793196	0.198534447	0.1	0.82	0.327224476	3.926311082	10477.7627
673	0.297544048	1.776456984	0.198573162	0.1	0.82	0.327288285	3.927076565	10481.68977
673.2	0.29765525	1.777120902	0.1986119	0.1	0.82	0.327352134	3.927842516	10485.61762
673.4	0.297766473	1.77778495	0.198650662	0.1	0.82	0.327416022	3.928608934	10489.54622
673.6	0.297877718	1.778449129	0.198689448	0.1	0.82	0.327479948	3.92937582	10493.4756
673.8	0.297988985	1.779113438	0.198728258	0.1	0.82	0.327543914	3.930143175	10497.40574
674	0.298100274	1.779777878	0.198767091	0.1	0.82	0.327607919	3.930910998	10501.33665
674.2	0.298211585	1.780442449	0.198805948	0.1	0.82	0.327671963	3.931679291	10505.26833
674.4	0.298322918	1.78110715	0.198844828	0.1	0.82	0.327736046	3.932448054	10509.20078
674.6	0.298434273	1.781771982	0.198883733	0.1	0.82	0.327800168	3.933217287	10513.134

674.8	0.298545649	1.782436945	0.198922661	0.1	0.82	0.32786433	3.93398699	10517.06799
675	0.298657048	1.783102039	0.198961613	0.1	0.82	0.327928531	3.934757165	10521.00274
675.2	0.298768468	1.783767264	0.199000589	0.1	0.82	0.327992771	3.935527812	10524.93827
675.4	0.298879911	1.78443262	0.199039589	0.1	0.82	0.328057051	3.936298931	10528.87457
675.6	0.298991375	1.785098108	0.199078613	0.1	0.82	0.32812137	3.937070523	10532.81164
675.8	0.299102862	1.785763727	0.199117661	0.1	0.82	0.328185728	3.937842589	10536.74948
676	0.29921437	1.786429477	0.199156732	0.1	0.82	0.328250126	3.938615127	10540.6881
676.2	0.299325901	1.787095359	0.199195828	0.1	0.82	0.328314564	3.939388141	10544.62749
676.4	0.299437453	1.787761372	0.199234948	0.1	0.82	0.328379041	3.940161628	10548.56765
676.6	0.299549028	1.788427517	0.199274092	0.1	0.82	0.328443558	3.940935592	10552.50858
676.8	0.299660625	1.789093793	0.199313259	0.1	0.82	0.328508114	3.94171003	10556.45029
677	0.299772243	1.789760202	0.199352451	0.1	0.82	0.32857271	3.942484945	10560.39278
677.2	0.299883884	1.790426742	0.199391667	0.1	0.82	0.328637346	3.943260337	10564.33604
677.4	0.299995547	1.791093415	0.199430907	0.1	0.82	0.328702022	3.944036206	10568.28007
677.6	0.300107232	1.791760219	0.199470172	0.1	0.82	0.328766737	3.944812552	10572.22489
677.8	0.300218939	1.792427155	0.19950946	0.1	0.82	0.328831492	3.945589377	10576.17048
678	0.300330669	1.793094224	0.199548773	0.1	0.82	0.328896288	3.94636668	10580.11684
678.2	0.30044242	1.793761425	0.19958811	0.1	0.82	0.328961123	3.947144463	10584.06399
678.4	0.300554194	1.794428759	0.199627471	0.1	0.82	0.329025998	3.947922725	10588.01191
678.6	0.30066599	1.795096225	0.199666857	0.1	0.82	0.329090913	3.948701467	10591.96061
678.8	0.300777808	1.795763823	0.199706267	0.1	0.82	0.329155868	3.94948069	10595.91009
679	0.300889648	1.796431554	0.199745701	0.1	0.82	0.329220864	3.950260394	10599.86035
679.2	0.30100151	1.797099418	0.199785159	0.1	0.82	0.329285899	3.95104058	10603.81139
679.4	0.301113395	1.797767414	0.199824642	0.1	0.82	0.329350975	3.951821248	10607.76322
679.6	0.301225302	1.798435544	0.199864149	0.1	0.82	0.329416091	3.952602398	10611.71582
679.8	0.301337231	1.799103806	0.199903681	0.1	0.82	0.329481247	3.953384032	10615.6692
680	0.301449183	1.799772202	0.199943238	0.1	0.82	0.329546444	3.954166149	10619.62337
680.2	0.301561157	1.80044073	0.199982818	0.1	0.82	0.329611681	3.954948751	10623.57832
680.4	0.301673153	1.801109392	0.200022424	0.1	0.82	0.329676958	3.955731837	10627.53405
680.6	0.301785171	1.801778187	0.200062053	0.1	0.82	0.329742276	3.956515408	10631.49056
680.8	0.301897212	1.802447116	0.200101708	0.1	0.82	0.329807635	3.957299465	10635.44786
681	0.302009275	1.803116178	0.200141387	0.1	0.82	0.329873033	3.958084008	10639.40595
681.2	0.302121361	1.803785373	0.20018109	0.1	0.82	0.329938473	3.958869038	10643.36482
681.4	0.302233469	1.804454702	0.200220818	0.1	0.82	0.330003953	3.959654555	10647.32447
681.6	0.302345599	1.805124165	0.200260571	0.1	0.82	0.330069474	3.96044056	10651.28491
681.8	0.302457752	1.805793762	0.200300349	0.1	0.82	0.330135035	3.961227053	10655.24614
682	0.302569927	1.806463492	0.200340151	0.1	0.82	0.330200637	3.962014034	10659.20815
682.2	0.302682125	1.807133356	0.200379978	0.1	0.82	0.33026628	3.962801505	10663.17095
682.4	0.302794345	1.807803355	0.20041983	0.1	0.82	0.330331964	3.963589466	10667.13454
682.6	0.302906587	1.808473487	0.200459707	0.1	0.82	0.330397689	3.964377916	10671.09892
682.8	0.303018852	1.809143754	0.200499608	0.1	0.82	0.330463454	3.965166858	10675.06409
683	0.30313114	1.809814155	0.200539535	0.1	0.82	0.330529261	3.965956291	10679.03004
683.2	0.303243449	1.810484691	0.200579486	0.1	0.82	0.330595108	3.966746215	10682.99679
683.4	0.303355782	1.811155361	0.200619462	0.1	0.82	0.330660997	3.967536632	10686.96433
683.6	0.303468137	1.811826165	0.200659463	0.1	0.82	0.330726927	3.968327542	10690.93265
683.8	0.303580515	1.812497104	0.200699489	0.1	0.82	0.330792898	3.969118945	10694.90177
684	0.303692915	1.813168178	0.20073954	0.1	0.82	0.33085891	3.969910842	10698.87168
684.2	0.303805337	1.813839387	0.200779616	0.1	0.82	0.330924963	3.970703233	10702.84239
684.4	0.303917783	1.81451073	0.200819717	0.1	0.82	0.330991057	3.97149612	10706.81388
684.6	0.304030251	1.815182209	0.200859843	0.1	0.82	0.331057193	3.972289501	10710.78617
684.8	0.304142741	1.815853822	0.200899994	0.1	0.82	0.33112337	3.973083379	10714.75926
685	0.304255254	1.816525571	0.20094017	0.1	0.82	0.331189589	3.973877753	10718.73313
685.2	0.30436779	1.817197455	0.200980372	0.1	0.82	0.331255849	3.974672624	10722.70781

685.4	0.304480349	1.817869474	0.201020598	0.1	0.82	0.33132215	3.975467992	10726.68328
685.6	0.30459293	1.818541629	0.20106085	0.1	0.82	0.331388493	3.976263859	10730.65954
685.8	0.304705534	1.819213919	0.201101127	0.1	0.82	0.331454878	3.977060224	10734.6366
686	0.30481816	1.819886345	0.201141429	0.1	0.82	0.331521304	3.977857088	10738.61446
686.2	0.30493081	1.820558906	0.201181757	0.1	0.82	0.331587772	3.978654451	10742.59311
686.4	0.305043482	1.821231603	0.20122211	0.1	0.82	0.331654281	3.979452315	10746.57256
686.6	0.305156176	1.821904436	0.201262488	0.1	0.82	0.331720832	3.98025068	10750.55281
686.8	0.305268894	1.822577405	0.201302891	0.1	0.82	0.331787425	3.981049545	10754.53386
687	0.305381634	1.82325051	0.20134332	0.1	0.82	0.33185406	3.981848913	10758.51571
687.2	0.305494397	1.823923751	0.201383774	0.1	0.82	0.331920737	3.982648782	10762.49836
687.4	0.305607183	1.824597128	0.201424254	0.1	0.82	0.331987456	3.983449155	10766.48181
687.6	0.305719992	1.825270641	0.201464759	0.1	0.82	0.332054216	3.98425003	10770.46606
687.8	0.305832824	1.825944291	0.20150529	0.1	0.82	0.332121019	3.98505141	10774.45111
688	0.305945678	1.826618077	0.201545846	0.1	0.82	0.332187863	3.985853294	10778.43696
688.2	0.306058555	1.827291999	0.201586428	0.1	0.82	0.33225475	3.986655682	10782.42362
688.4	0.306171456	1.827966058	0.201627035	0.1	0.82	0.332321679	3.987458576	10786.41108
688.6	0.306284379	1.828640254	0.201667668	0.1	0.82	0.33238865	3.988261976	10790.39934
688.8	0.306397325	1.829314587	0.201708326	0.1	0.82	0.332455664	3.989065883	10794.38841
689	0.306510294	1.829989056	0.201749011	0.1	0.82	0.332522719	3.989870297	10798.37828
689.2	0.306623285	1.830663663	0.20178972	0.1	0.82	0.332589817	3.990675218	10802.36895
689.4	0.3067363	1.831338406	0.201830456	0.1	0.82	0.332656957	3.991480647	10806.36043
689.6	0.306849338	1.832013287	0.201871217	0.1	0.82	0.33272414	3.992286585	10810.35272
689.8	0.306962399	1.832688305	0.201912004	0.1	0.82	0.332791365	3.993093032	10814.34581
690	0.307075482	1.83336346	0.201952817	0.1	0.82	0.332858633	3.993899989	10818.33971
690.2	0.307188589	1.834038752	0.201993656	0.1	0.82	0.332925943	3.994707457	10822.33442
690.4	0.307301719	1.834714182	0.20203452	0.1	0.82	0.332993296	3.995515435	10826.32994
690.6	0.307414872	1.83538975	0.20207541	0.1	0.82	0.333060691	3.996323924	10830.32626
690.8	0.307528048	1.836065455	0.202116327	0.1	0.82	0.333128129	3.997132925	10834.32339
691	0.307641246	1.836741298	0.202157269	0.1	0.82	0.33319561	3.997942439	10838.32133
691.2	0.307754468	1.837417279	0.202198237	0.1	0.82	0.333263134	3.998752466	10842.32009
691.4	0.307867714	1.838093397	0.202239231	0.1	0.82	0.3333307	3.999563006	10846.31965
691.6	0.307980982	1.838769654	0.202280251	0.1	0.82	0.33339831	4.00037406	10850.32002
691.8	0.308094273	1.839446049	0.202321297	0.1	0.82	0.333465962	4.001185629	10854.32121
692	0.308207588	1.840122582	0.202362369	0.1	0.82	0.333533657	4.001997713	10858.32321
692.2	0.308320925	1.840799253	0.202403468	0.1	0.82	0.333601395	4.002810313	10862.32602
692.4	0.308434286	1.841476062	0.202444592	0.1	0.82	0.333669176	4.003623429	10866.32964
692.6	0.30854767	1.84215301	0.202485742	0.1	0.82	0.333737001	4.004437062	10870.33408
692.8	0.308661077	1.842830097	0.202526919	0.1	0.82	0.333804868	4.005251213	10874.33933
693	0.308774508	1.843507322	0.202568122	0.1	0.82	0.333872779	4.006065881	10878.3454
693.2	0.308887962	1.844184686	0.202609351	0.1	0.82	0.333940733	4.006881068	10882.35228
693.4	0.309001438	1.844862188	0.202650607	0.1	0.82	0.33400873	4.007696774	10886.35997
693.6	0.309114939	1.84553983	0.202691888	0.1	0.82	0.33407677	4.008512999	10890.36849
693.8	0.309228462	1.84621761	0.202733196	0.1	0.82	0.334144854	4.009329745	10894.37782
694	0.309342009	1.84689553	0.202774531	0.1	0.82	0.334212981	4.010147011	10898.38796
694.2	0.309455579	1.847573588	0.202815891	0.1	0.82	0.334281152	4.010964799	10902.39893
694.4	0.309569172	1.848251786	0.202857278	0.1	0.82	0.334349366	4.011783108	10906.41071
694.6	0.309682789	1.848930123	0.202898692	0.1	0.82	0.334417624	4.01260194	10910.42331
694.8	0.309796429	1.8496086	0.202940132	0.1	0.82	0.334485925	4.013421295	10914.43673
695	0.309910092	1.850287216	0.202981598	0.1	0.82	0.33455427	4.014241174	10918.45098
695.2	0.310023779	1.850965972	0.203023091	0.1	0.82	0.334622659	4.015061576	10922.46604
695.4	0.31013749	1.851644867	0.203064611	0.1	0.82	0.334691091	4.015882503	10926.48192
695.6	0.310251223	1.852323903	0.203106157	0.1	0.82	0.334759568	4.016703955	10930.49862
695.8	0.31036498	1.853003078	0.20314773	0.1	0.82	0.334828088	4.017525933	10934.51615

696	0.310478761	1.853682393	0.203189329	0.1	0.82	0.334896652	4.018348438	10938.5345
696.2	0.310592565	1.854361848	0.203230955	0.1	0.82	0.33496526	4.019171469	10942.55367
696.4	0.310706392	1.855041443	0.203272607	0.1	0.82	0.335033912	4.019995028	10946.57366
696.6	0.310820243	1.855721179	0.203314287	0.1	0.82	0.335102608	4.020819115	10950.59448
696.8	0.310934117	1.856401054	0.203355993	0.1	0.82	0.335171348	4.02164373	10954.61613
697	0.311048015	1.857081071	0.203397726	0.1	0.82	0.335240132	4.022468875	10958.6386
697.2	0.311161937	1.857761227	0.203439485	0.1	0.82	0.33530896	4.023294549	10962.66189
697.4	0.311275882	1.858441525	0.203481272	0.1	0.82	0.335377832	4.024120754	10966.68601
697.6	0.31138985	1.859121963	0.203523085	0.1	0.82	0.335446749	4.02494749	10970.71096
697.8	0.311503843	1.859802541	0.203564926	0.1	0.82	0.33551571	4.025774757	10974.73673
698	0.311617858	1.860483261	0.203606793	0.1	0.82	0.335584716	4.026602556	10978.76334
698.2	0.311731898	1.861164121	0.203648687	0.1	0.82	0.335653766	4.027430887	10982.79077
698.4	0.311845961	1.861845123	0.203690608	0.1	0.82	0.33572286	4.028259752	10986.81903
698.6	0.311960047	1.862526266	0.203732556	0.1	0.82	0.335791999	4.029089151	10990.84812
698.8	0.312074157	1.86320755	0.203774531	0.1	0.82	0.335861182	4.029919084	10994.87804
699	0.312188291	1.863888975	0.203816533	0.1	0.82	0.33593041	4.030749552	10998.90878
699.2	0.312302449	1.864570542	0.203858562	0.1	0.82	0.335999683	4.031580555	11002.94037
699.4	0.31241663	1.86525225	0.203900619	0.1	0.82	0.336069	4.032412095	11006.97278
699.6	0.312530835	1.8659341	0.203942702	0.1	0.82	0.336138362	4.033244171	11011.00602
699.8	0.312645064	1.866616091	0.203984813	0.1	0.82	0.336207769	4.034076785	11015.0401
700	0.312759317	1.867298225	0.204026951	0.1	0.82	0.336277221	4.034909936	11019.07501
700.2	0.312873593	1.8679805	0.204069116	0.1	0.82	0.336346717	4.035743626	11023.11075
700.4	0.312987893	1.868662917	0.204111308	0.1	0.82	0.336416259	4.036577855	11027.14733
700.6	0.313102217	1.869345476	0.204153528	0.1	0.82	0.336485845	4.037412623	11031.18474
700.8	0.313216565	1.870028178	0.204195775	0.1	0.82	0.336555477	4.038247931	11035.22299
701	0.313330936	1.870711021	0.20423805	0.1	0.82	0.336625153	4.039083781	11039.26207
701.2	0.313445331	1.871394007	0.204280351	0.1	0.82	0.336694875	4.039920171	11043.30199
701.4	0.313559751	1.872077135	0.204322681	0.1	0.82	0.336764642	4.040757104	11047.34275
701.6	0.313674194	1.872760406	0.204365037	0.1	0.82	0.336834454	4.041594579	11051.38435
701.8	0.313788661	1.87344382	0.204407421	0.1	0.82	0.336904312	4.042432597	11055.42678
702	0.313903152	1.874127376	0.204449833	0.1	0.82	0.336974215	4.043271159	11059.47005
702.2	0.314017666	1.874811075	0.204492272	0.1	0.82	0.337044163	4.044110265	11063.51416
702.4	0.314132205	1.875494917	0.204534739	0.1	0.82	0.337114157	4.044949916	11067.55911
702.6	0.314246768	1.876178902	0.204577233	0.1	0.82	0.337184196	4.045790113	11071.6049
702.8	0.314361354	1.87686303	0.204619755	0.1	0.82	0.33725428	4.046630856	11075.65153
703	0.314475965	1.877547301	0.204662305	0.1	0.82	0.337324411	4.047472145	11079.699
703.2	0.3145906	1.878231715	0.204704882	0.1	0.82	0.337394586	4.048313982	11083.74732
703.4	0.314705258	1.878916273	0.204747487	0.1	0.82	0.337464808	4.049156367	11087.79647
703.6	0.314819941	1.879600975	0.20479012	0.1	0.82	0.337535075	4.0499993	11091.84647
703.8	0.314934647	1.880285819	0.20483278	0.1	0.82	0.337605388	4.050842782	11095.89732
704	0.315049378	1.880970808	0.204875469	0.1	0.82	0.337675747	4.051686814	11099.949
704.2	0.315164133	1.88165594	0.204918185	0.1	0.82	0.337746152	4.052531396	11104.00153
704.4	0.315278912	1.882341216	0.204960929	0.1	0.82	0.337816603	4.053376529	11108.05491
704.6	0.315393715	1.883026636	0.205003701	0.1	0.82	0.337887099	4.054222213	11112.10913
704.8	0.315508542	1.8837122	0.205046501	0.1	0.82	0.337957642	4.05506845	11116.1642
705	0.315623393	1.884397908	0.205089328	0.1	0.82	0.338028231	4.055915239	11120.22012
705.2	0.315738269	1.88508376	0.205132184	0.1	0.82	0.338098866	4.056762582	11124.27688
705.4	0.315853168	1.885769757	0.205175068	0.1	0.82	0.338169547	4.057610479	11128.33449
705.6	0.315968092	1.886455898	0.20521798	0.1	0.82	0.338240274	4.05845893	11132.39295
705.8	0.31608304	1.887142183	0.20526092	0.1	0.82	0.338311048	4.059307936	11136.45226
706	0.316198012	1.887828614	0.205303888	0.1	0.82	0.338381868	4.060157498	11140.51241
706.2	0.316313009	1.888515188	0.205346884	0.1	0.82	0.338452735	4.061007616	11144.57342
706.4	0.31642803	1.889201908	0.205389909	0.1	0.82	0.338523647	4.061858292	11148.63528

706.6	0.316543075	1.889888772	0.205432961	0.1	0.82	0.338594607	4.062709525	11152.69799
706.8	0.316658144	1.890575782	0.205476042	0.1	0.82	0.338665613	4.063561316	11156.76155
707	0.316773237	1.891262936	0.205519151	0.1	0.82	0.338736665	4.064413666	11160.82596
707.2	0.316888355	1.891950236	0.205562289	0.1	0.82	0.338807764	4.065266575	11164.89123
707.4	0.317003497	1.892637681	0.205605454	0.1	0.82	0.33887891	4.066120044	11168.95735
707.6	0.317118664	1.893325271	0.205648649	0.1	0.82	0.338950102	4.066974075	11173.02432
707.8	0.317233855	1.894013007	0.205691871	0.1	0.82	0.339021342	4.067828666	11177.09215
708	0.31734907	1.894700888	0.205735122	0.1	0.82	0.339092628	4.068683819	11181.16084
708.2	0.31746431	1.895388915	0.205778401	0.1	0.82	0.339163961	4.069539535	11185.23038
708.4	0.317579574	1.896077088	0.205821709	0.1	0.82	0.339235341	4.070395814	11189.30077
708.6	0.317694862	1.896765406	0.205865046	0.1	0.82	0.339306768	4.071252657	11193.37203
708.8	0.317810175	1.897453871	0.205908411	0.1	0.82	0.339378242	4.072110064	11197.44414
709	0.317925513	1.898142481	0.205951804	0.1	0.82	0.339449764	4.072968036	11201.5171
709.2	0.318040875	1.898831238	0.205995226	0.1	0.82	0.339521332	4.073826574	11205.59093
709.4	0.318156261	1.899520141	0.206038677	0.1	0.82	0.339592948	4.074685678	11209.66562
709.6	0.318271672	1.90020919	0.206082157	0.1	0.82	0.339664611	4.075545349	11213.74116
709.8	0.318387107	1.900898386	0.206125665	0.1	0.82	0.339736321	4.076405588	11217.81757
710	0.318502567	1.901587728	0.206169202	0.1	0.82	0.339808078	4.077266394	11221.89483
710.2	0.318618052	1.902277217	0.206212767	0.1	0.82	0.339879883	4.07812777	11225.97296
710.4	0.318733561	1.902966852	0.206256362	0.1	0.82	0.339951736	4.078989715	11230.05195
710.6	0.318849095	1.903656634	0.206299985	0.1	0.82	0.340023636	4.07985223	11234.1318
710.8	0.318964653	1.904346564	0.206343638	0.1	0.82	0.340095583	4.080715315	11238.21252
711	0.319080236	1.90503664	0.206387319	0.1	0.82	0.340167579	4.081578972	11242.2941
711.2	0.319195843	1.905726863	0.206431029	0.1	0.82	0.340239622	4.082443201	11246.37654
711.4	0.319311476	1.906417234	0.206474768	0.1	0.82	0.340311712	4.083308003	11250.45985
711.6	0.319427132	1.907107751	0.206518536	0.1	0.82	0.340383851	4.084173378	11254.54402
711.8	0.319542814	1.907798417	0.206562333	0.1	0.82	0.340456037	4.085039326	11258.62906
712	0.31965852	1.908489229	0.206606159	0.1	0.82	0.340528271	4.08590585	11262.71497
712.2	0.319774251	1.90918019	0.206650014	0.1	0.82	0.340600553	4.086772948	11266.80174
712.4	0.319890007	1.909871298	0.206693899	0.1	0.82	0.340672884	4.087640622	11270.88938
712.6	0.320005787	1.910562554	0.206737812	0.1	0.82	0.340745262	4.088508873	11274.97789
712.8	0.320121593	1.911253957	0.206781755	0.1	0.82	0.340817688	4.0893777	11279.06727
713	0.320237423	1.911945509	0.206825727	0.1	0.82	0.340890163	4.090247106	11283.15751
713.2	0.320353278	1.912637209	0.206869728	0.1	0.82	0.340962686	4.091117089	11287.24863
713.4	0.320469157	1.913329057	0.206913758	0.1	0.82	0.341035257	4.091987652	11291.34062
713.6	0.320585062	1.914021053	0.206957818	0.1	0.82	0.341107876	4.092858795	11295.43348
713.8	0.320700991	1.914713198	0.207001907	0.1	0.82	0.341180544	4.093730518	11299.52721
714	0.320816945	1.915405491	0.207046026	0.1	0.82	0.34125326	4.094602821	11303.62181
714.2	0.320932925	1.916097933	0.207090174	0.1	0.82	0.341326025	4.095475707	11307.71729
714.4	0.321048929	1.916790523	0.207134351	0.1	0.82	0.341398838	4.096349174	11311.81364
714.6	0.321164958	1.917483262	0.207178558	0.1	0.82	0.3414717	4.097223225	11315.91086
714.8	0.321281011	1.91817615	0.207222795	0.1	0.82	0.34154461	4.098097859	11320.00896
715	0.32139709	1.918869188	0.207267061	0.1	0.82	0.341617569	4.098973077	11324.10793
715.2	0.321513194	1.919562374	0.207311356	0.1	0.82	0.341690577	4.099848881	11328.20778
715.4	0.321629323	1.920255709	0.207355681	0.1	0.82	0.341763634	4.10072527	11332.3085
715.6	0.321745477	1.920949194	0.207400036	0.1	0.82	0.34183674	4.101602245	11336.41011
715.8	0.321861655	1.921642828	0.207444421	0.1	0.82	0.341909895	4.102479807	11340.51259
716	0.321977859	1.922336611	0.207488835	0.1	0.82	0.341983098	4.103357956	11344.61594
716.2	0.322094088	1.923030545	0.207533279	0.1	0.82	0.342056351	4.104236694	11348.72018
716.4	0.322210342	1.923724627	0.207577753	0.1	0.82	0.342129653	4.10511602	11352.8253
716.6	0.322326621	1.92441886	0.207622257	0.1	0.82	0.342203003	4.105995936	11356.93129
716.8	0.322442926	1.925113243	0.20766679	0.1	0.82	0.342276404	4.106876442	11361.03817
717	0.322559255	1.925807775	0.207711354	0.1	0.82	0.342349853	4.107757539	11365.14593

717.2	0.322675609	1.926502458	0.207755947	0.1	0.82	0.342423352	4.108639228	11369.25457
717.4	0.322791989	1.927197291	0.20780057	0.1	0.82	0.3424969	4.109521508	11373.36409
717.6	0.322908394	1.927892274	0.207845223	0.1	0.82	0.342570497	4.110404382	11377.47449
717.8	0.323024824	1.928587407	0.207889907	0.1	0.82	0.342644144	4.111287849	11381.58578
718	0.323141279	1.929282691	0.20793462	0.1	0.82	0.342717841	4.11217191	11385.69795
718.2	0.323257759	1.929978126	0.207979363	0.1	0.82	0.342791587	4.113056566	11389.81101
718.4	0.323374265	1.930673711	0.208024137	0.1	0.82	0.342865383	4.113941818	11393.92495
718.6	0.323490796	1.931369448	0.208068941	0.1	0.82	0.342939228	4.114827665	11398.03978
718.8	0.323607352	1.932065335	0.208113775	0.1	0.82	0.343013123	4.11571411	11402.15549
719	0.323723934	1.932761373	0.208158639	0.1	0.82	0.343087069	4.116601152	11406.27209
719.2	0.32384054	1.933457562	0.208203533	0.1	0.82	0.343161064	4.117488793	11410.38958
719.4	0.323957172	1.934153903	0.208248458	0.1	0.82	0.343235108	4.118377032	11414.50796
719.6	0.32407383	1.934850394	0.208293413	0.1	0.82	0.343309203	4.119265871	11418.62722
719.8	0.324190513	1.935547038	0.208338398	0.1	0.82	0.343383348	4.12015531	11422.74738
720	0.324307221	1.936243832	0.208383414	0.1	0.82	0.343457543	4.121045351	11426.86843
720.2	0.324423955	1.936940779	0.208428461	0.1	0.82	0.343531789	4.121935992	11430.99036
720.4	0.324540714	1.937637877	0.208473537	0.1	0.82	0.343606084	4.122827237	11435.11319
720.6	0.324657498	1.938335127	0.208518644	0.1	0.82	0.34368043	4.123719084	11439.23691
720.8	0.324774308	1.939032529	0.208563782	0.1	0.82	0.343754826	4.124611534	11443.36152
721	0.324891143	1.939730083	0.208608951	0.1	0.82	0.343829272	4.12550459	11447.48702
721.2	0.325008004	1.940427789	0.20865415	0.1	0.82	0.343903769	4.12639825	11451.61342
721.4	0.325124891	1.941125647	0.208699379	0.1	0.82	0.343978317	4.127292516	11455.74071
721.6	0.325241803	1.941823658	0.208744639	0.1	0.82	0.344052915	4.128187388	11459.8689
721.8	0.32535874	1.942521821	0.20878993	0.1	0.82	0.344127563	4.129082868	11463.99798
722	0.325475703	1.943220137	0.208835252	0.1	0.82	0.344202263	4.129978955	11468.12796
722.2	0.325592691	1.943918605	0.208880605	0.1	0.82	0.344277013	4.130875651	11472.25884
722.4	0.325709706	1.944617226	0.208925988	0.1	0.82	0.344351813	4.131772956	11476.39061
722.6	0.325826745	1.945316	0.208971402	0.1	0.82	0.344426665	4.132670871	11480.52328
722.8	0.325943811	1.946014927	0.209016847	0.1	0.82	0.344501568	4.133569397	11484.65685
723	0.326060902	1.946714008	0.209062323	0.1	0.82	0.344576521	4.134468534	11488.79132
723.2	0.326178018	1.947413241	0.20910783	0.1	0.82	0.344651526	4.135368283	11492.92669
723.4	0.326295161	1.948112628	0.209153368	0.1	0.82	0.344726582	4.136268645	11497.06296
723.6	0.326412329	1.948812168	0.209198937	0.1	0.82	0.344801688	4.13716962	11501.20013
723.8	0.326529522	1.949511861	0.209244537	0.1	0.82	0.344876846	4.138071209	11505.3382
724	0.326646742	1.950211708	0.209290169	0.1	0.82	0.344952056	4.138973413	11509.47717
724.2	0.326763987	1.950911709	0.209335831	0.1	0.82	0.345027316	4.139876232	11513.61705
724.4	0.326881258	1.951611864	0.209381524	0.1	0.82	0.345102628	4.140779668	11517.75783
724.6	0.326998555	1.952312173	0.209427249	0.1	0.82	0.345177992	4.141683721	11521.89951
724.8	0.327115878	1.953012635	0.209473005	0.1	0.82	0.345253407	4.142588391	11526.0421
725	0.327233226	1.953713252	0.209518792	0.1	0.82	0.345328873	4.14349368	11530.18559
725.2	0.3273506	1.954414023	0.209564611	0.1	0.82	0.345404391	4.144399587	11534.32999
725.4	0.327468	1.955114949	0.209610461	0.1	0.82	0.345479961	4.145306115	11538.4753
725.6	0.327585426	1.955816029	0.209656342	0.1	0.82	0.345555583	4.146213263	11542.62151
725.8	0.327702878	1.956517263	0.209702255	0.1	0.82	0.345631256	4.147121032	11546.76863
726	0.327820356	1.957218652	0.209748199	0.1	0.82	0.345706981	4.148029423	11550.91666
726.2	0.327937859	1.957920196	0.209794174	0.1	0.82	0.345782758	4.148938437	11555.0656
726.4	0.328055389	1.958621895	0.209840182	0.1	0.82	0.345858587	4.149848074	11559.21545
726.6	0.328172945	1.959323749	0.20988622	0.1	0.82	0.345934468	4.150758335	11563.36621
726.8	0.328290526	1.960025758	0.209932291	0.1	0.82	0.346010402	4.151669221	11567.51788
727	0.328408134	1.960727922	0.209978393	0.1	0.82	0.346086387	4.152580732	11571.67046
727.2	0.328525767	1.961430241	0.210024527	0.1	0.82	0.346162425	4.15349287	11575.82395
727.4	0.328643427	1.962132716	0.210070692	0.1	0.82	0.346238514	4.154405634	11579.97836
727.6	0.328761113	1.962835347	0.210116889	0.1	0.82	0.346314657	4.155319027	11584.13368

727.8	0.328878824	1.963538133	0.210163118	0.1	0.82	0.346390851	4.156233047	11588.28991
728	0.328996562	1.964241075	0.210209379	0.1	0.82	0.346467098	4.157147697	11592.44706
728.2	0.329114326	1.964944172	0.210255672	0.1	0.82	0.346543398	4.158062977	11596.60512
728.4	0.329232116	1.965647426	0.210301996	0.1	0.82	0.34661975	4.158978887	11600.7641
728.6	0.329349932	1.966350836	0.210348353	0.1	0.82	0.346696155	4.159895428	11604.92399
728.8	0.329467775	1.967054401	0.210394741	0.1	0.82	0.346772612	4.160812602	11609.08481
729	0.329585643	1.967758124	0.210441162	0.1	0.82	0.346849122	4.161730408	11613.24654
729.2	0.329703538	1.968462002	0.210487614	0.1	0.82	0.346925686	4.162648848	11617.40919
729.4	0.329821459	1.969166037	0.210534099	0.1	0.82	0.347002301	4.163567922	11621.57275
729.6	0.329939406	1.969870229	0.210580615	0.1	0.82	0.34707897	4.164487631	11625.73724
729.8	0.330057379	1.970574578	0.210627164	0.1	0.82	0.347155692	4.165407976	11629.90265
730	0.330175379	1.971279083	0.210673745	0.1	0.82	0.347232467	4.166328957	11634.06898
730.2	0.330293405	1.971983745	0.210720359	0.1	0.82	0.347309295	4.167250576	11638.23623
730.4	0.330411457	1.972688564	0.210767004	0.1	0.82	0.347386177	4.168172832	11642.4044
730.6	0.330529536	1.973393541	0.210813682	0.1	0.82	0.347463111	4.169095727	11646.5735
730.8	0.330647641	1.974098675	0.210860393	0.1	0.82	0.347540099	4.170019261	11650.74352
731	0.330765772	1.974803966	0.210907135	0.1	0.82	0.34761714	4.170943436	11654.91446
731.2	0.33088393	1.975509414	0.21095391	0.1	0.82	0.347694235	4.171868252	11659.08633
731.4	0.331002114	1.97621502	0.211000718	0.1	0.82	0.347771383	4.172793709	11663.25912
731.6	0.331120324	1.976920784	0.211047558	0.1	0.82	0.347848585	4.173719809	11667.43284
731.8	0.331238561	1.977626706	0.21109443	0.1	0.82	0.34792584	4.174646551	11671.60749
732	0.331356825	1.978332786	0.211141336	0.1	0.82	0.348003149	4.175573938	11675.78306
732.2	0.331475114	1.979039023	0.211188273	0.1	0.82	0.348080512	4.17650197	11679.95956
732.4	0.331593431	1.979745419	0.211235244	0.1	0.82	0.348157929	4.177430646	11684.13699
732.6	0.331711774	1.980451973	0.211282247	0.1	0.82	0.348235399	4.178359969	11688.31535
732.8	0.331830143	1.981158686	0.211329283	0.1	0.82	0.348312924	4.179289939	11692.49464
733	0.331948539	1.981865557	0.211376351	0.1	0.82	0.348390502	4.180220557	11696.67487
733.2	0.332066961	1.982572587	0.211423453	0.1	0.82	0.348468135	4.181151823	11700.85602
733.4	0.332185411	1.983279775	0.211470587	0.1	0.82	0.348545822	4.182083738	11705.0381
733.6	0.332303886	1.983987122	0.211517754	0.1	0.82	0.348623562	4.183016303	11709.22112
733.8	0.332422388	1.984694628	0.211564954	0.1	0.82	0.348701358	4.183949519	11713.40507
734	0.332540917	1.985402293	0.211612187	0.1	0.82	0.348779207	4.184883387	11717.58995
734.2	0.332659473	1.986110118	0.211659453	0.1	0.82	0.348857111	4.185817906	11721.77577
734.4	0.332778055	1.986818101	0.211706752	0.1	0.82	0.348935069	4.186753079	11725.96252
734.6	0.332896664	1.987526244	0.211754084	0.1	0.82	0.349013082	4.187688906	11730.15021
734.8	0.3330153	1.988234546	0.21180145	0.1	0.82	0.349091149	4.188625387	11734.33884
735	0.333133962	1.988943008	0.211848848	0.1	0.82	0.349169271	4.189562523	11738.5284
735.2	0.333252651	1.98965163	0.21189628	0.1	0.82	0.349247448	4.190500316	11742.7189
735.4	0.333371367	1.990360412	0.211943744	0.1	0.82	0.349325679	4.191438765	11746.91034
735.6	0.33349011	1.991069353	0.211991242	0.1	0.82	0.349403966	4.192377872	11751.10271
735.8	0.33360888	1.991778455	0.212038774	0.1	0.82	0.349482307	4.193317637	11755.29603
736	0.333727676	1.992487717	0.212086339	0.1	0.82	0.349560703	4.194258062	11759.49029
736.2	0.333846499	1.993197139	0.212133937	0.1	0.82	0.349639154	4.195199146	11763.68549
736.4	0.333965349	1.993906721	0.212181568	0.1	0.82	0.349717661	4.196140892	11767.88163
736.6	0.334084226	1.994616464	0.212229233	0.1	0.82	0.349796222	4.197083299	11772.07871
736.8	0.33420313	1.995326368	0.212276932	0.1	0.82	0.349874839	4.198026368	11776.27674
737	0.334322061	1.996036432	0.212324664	0.1	0.82	0.349953511	4.1989701	11780.47571
737.2	0.334441019	1.996746657	0.21237243	0.1	0.82	0.350032238	4.199914496	11784.67562
737.4	0.334560003	1.997457043	0.212420229	0.1	0.82	0.350111021	4.200859557	11788.87648
737.6	0.334679015	1.998167591	0.212468062	0.1	0.82	0.350189859	4.201805283	11793.07829
737.8	0.334798054	1.998878299	0.212515928	0.1	0.82	0.350268753	4.202751676	11797.28104
738	0.334917119	1.999589169	0.212563829	0.1	0.82	0.350347703	4.203698735	11801.48474
738.2	0.335036212	2.0003002	0.212611763	0.1	0.82	0.350426708	4.204646462	11805.68939

738.4	0.335155332	2.001011392	0.212659731	0.1	0.82	0.350505769	4.205594858	11809.89498
738.6	0.335274479	2.001722747	0.212707733	0.1	0.82	0.350584885	4.206543924	11814.10153
738.8	0.335393652	2.002434263	0.212755769	0.1	0.82	0.350664058	4.207493659	11818.30902
739	0.335512854	2.003145941	0.212803838	0.1	0.82	0.350743286	4.208444066	11822.51746
739.2	0.335632082	2.003857781	0.212851942	0.1	0.82	0.350822571	4.209395144	11826.72686
739.4	0.335751337	2.004569783	0.21290008	0.1	0.82	0.350901912	4.210346895	11830.9372
739.6	0.33587062	2.005281947	0.212948252	0.1	0.82	0.350981308	4.211299319	11835.1485
739.8	0.335989929	2.005994274	0.212996458	0.1	0.82	0.351060761	4.212252417	11839.36076
740	0.336109266	2.006706763	0.213044698	0.1	0.82	0.351140271	4.213206191	11843.57396
740.2	0.33622863	2.007419415	0.213092972	0.1	0.82	0.351219836	4.21416064	11847.78812
740.4	0.336348022	2.008132229	0.21314128	0.1	0.82	0.351299458	4.215115766	11852.00324
740.6	0.33646744	2.008845206	0.213189623	0.1	0.82	0.351379137	4.216071569	11856.21931
740.8	0.336586886	2.009558346	0.213238	0.1	0.82	0.351458872	4.217028051	11860.43634
741	0.33670636	2.01027165	0.213286411	0.1	0.82	0.351538663	4.217985211	11864.65432
741.2	0.33682586	2.010985116	0.213334857	0.1	0.82	0.351618512	4.218943051	11868.87327
741.4	0.336945388	2.011698746	0.213383338	0.1	0.82	0.351698417	4.219901572	11873.09317
741.6	0.337064943	2.012412539	0.213431852	0.1	0.82	0.351778379	4.220860775	11877.31403
741.8	0.337184526	2.013126495	0.213480401	0.1	0.82	0.351858398	4.221820659	11881.53585
742	0.337304136	2.013840615	0.213528985	0.1	0.82	0.351938473	4.222781227	11885.75863
742.2	0.337423774	2.014554899	0.213577604	0.1	0.82	0.352018606	4.223742479	11889.98237
742.4	0.337543439	2.015269347	0.213626257	0.1	0.82	0.352098796	4.224704415	11894.20708
742.6	0.337663131	2.015983959	0.213674944	0.1	0.82	0.352179043	4.225667037	11898.43275
742.8	0.337782851	2.016698734	0.213723667	0.1	0.82	0.352259348	4.226630345	11902.65938
743	0.337902599	2.017413674	0.213772424	0.1	0.82	0.352339709	4.22759434	11906.88697
743.2	0.338022374	2.018128779	0.213821216	0.1	0.82	0.352420128	4.228559024	11911.11553
743.4	0.338142176	2.018844048	0.213870043	0.1	0.82	0.352500605	4.229524396	11915.34505
743.6	0.338262006	2.019559481	0.213918905	0.1	0.82	0.352581138	4.230490458	11919.57554
743.8	0.338381864	2.020275079	0.213967801	0.1	0.82	0.35266173	4.23145721	11923.807
744	0.338501749	2.020990842	0.214016733	0.1	0.82	0.352742379	4.232424654	11928.03943
744.2	0.338621662	2.02170677	0.2140657	0.1	0.82	0.352823086	4.23339279	11932.27282
744.4	0.338741602	2.022422863	0.214114701	0.1	0.82	0.352903851	4.234361619	11936.50718
744.6	0.338861571	2.023139121	0.214163738	0.1	0.82	0.352984673	4.235331142	11940.74251
744.8	0.338981566	2.023855544	0.21421281	0.1	0.82	0.353065553	4.236301359	11944.97881
745	0.33910159	2.024572133	0.214261917	0.1	0.82	0.353146492	4.237272272	11949.21608
745.2	0.339221641	2.025288887	0.21431106	0.1	0.82	0.353227488	4.238243881	11953.45433
745.4	0.33934172	2.026005807	0.214360237	0.1	0.82	0.353308543	4.239216187	11957.69354
745.6	0.339461827	2.026722892	0.21440945	0.1	0.82	0.353389656	4.240189192	11961.93373
745.8	0.339581962	2.027440144	0.214458698	0.1	0.82	0.353470827	4.241162895	11966.1749
746	0.339702124	2.028157561	0.214507982	0.1	0.82	0.353552056	4.242137298	11970.41703
746.2	0.339822314	2.028875145	0.214557301	0.1	0.82	0.353633344	4.243112401	11974.66015
746.4	0.339942532	2.029592895	0.214606656	0.1	0.82	0.35371469	4.244088206	11978.90423
746.6	0.340062778	2.030310811	0.214656046	0.1	0.82	0.353796095	4.245064713	11983.1493
746.8	0.340183052	2.031028894	0.214705472	0.1	0.82	0.353877559	4.246041923	11987.39534
747	0.340303354	2.031747143	0.214754933	0.1	0.82	0.353959081	4.247019837	11991.64236
747.2	0.340423683	2.032465559	0.21480443	0.1	0.82	0.354040662	4.247998456	11995.89036
747.4	0.340544041	2.033184142	0.214853963	0.1	0.82	0.354122302	4.24897778	12000.13934
747.6	0.340664426	2.033902892	0.214903531	0.1	0.82	0.354204	4.249957811	12004.3893
747.8	0.34078484	2.034621809	0.214953136	0.1	0.82	0.354285758	4.250938549	12008.64023
748	0.340905282	2.035340893	0.215002776	0.1	0.82	0.354367575	4.251919996	12012.89215
748.2	0.341025751	2.036060144	0.215052452	0.1	0.82	0.354449451	4.252902152	12017.14506
748.4	0.341146249	2.036779563	0.215102163	0.1	0.82	0.354531386	4.253885017	12021.39894
748.6	0.341266774	2.03749915	0.215151911	0.1	0.82	0.35461338	4.254868593	12025.65381
748.8	0.341387328	2.038218904	0.215201695	0.1	0.82	0.354695434	4.255852881	12029.90966

749	0.34150791	2.038938826	0.215251515	0.1	0.82	0.354777547	4.256837882	12034.1665
749.2	0.34162852	2.039658916	0.215301371	0.1	0.82	0.354859719	4.257823596	12038.42432
749.4	0.341749158	2.040379174	0.215351263	0.1	0.82	0.354941951	4.258810024	12042.68313
749.6	0.341869824	2.0410996	0.215401191	0.1	0.82	0.355024243	4.259797167	12046.94293
749.8	0.341990519	2.041820195	0.215451156	0.1	0.82	0.355106595	4.260785026	12051.20372
750	0.342111242	2.042540958	0.215501156	0.1	0.82	0.355189006	4.261773603	12055.46549
750.2	0.342231993	2.043261889	0.215551193	0.1	0.82	0.355271477	4.262762897	12059.72825
750.4	0.342352772	2.043982989	0.215601267	0.1	0.82	0.355354008	4.263752909	12063.99201
750.6	0.342473579	2.044704258	0.215651377	0.1	0.82	0.355436599	4.264743641	12068.25675
750.8	0.342594415	2.045425696	0.215701523	0.1	0.82	0.35551925	4.265735094	12072.52248
751	0.342715279	2.046147303	0.215751706	0.1	0.82	0.355601961	4.266727267	12076.78921
751.2	0.342836172	2.046869079	0.215801925	0.1	0.82	0.355684733	4.267720163	12081.05693
751.4	0.342957092	2.047591025	0.215852181	0.1	0.82	0.355767564	4.268713782	12085.32565
751.6	0.343078042	2.04831314	0.215902473	0.1	0.82	0.355850456	4.269708125	12089.59535
751.8	0.343199019	2.049035424	0.215952802	0.1	0.82	0.355933409	4.270703192	12093.86606
752	0.343320025	2.049757878	0.216003168	0.1	0.82	0.356016422	4.271698985	12098.13776
752.2	0.34344106	2.050480502	0.216053571	0.1	0.82	0.356099496	4.272695505	12102.41045
752.4	0.343562122	2.051203296	0.21610401	0.1	0.82	0.35618263	4.273692753	12106.68414
752.6	0.343683214	2.05192626	0.216154487	0.1	0.82	0.356265825	4.274690728	12110.95883
752.8	0.343804334	2.052649394	0.216205	0.1	0.82	0.356349081	4.275689433	12115.23452
753	0.343925482	2.053372698	0.21625555	0.1	0.82	0.356432397	4.276688868	12119.51121
753.2	0.344046659	2.054096173	0.216306137	0.1	0.82	0.356515775	4.277689034	12123.7889
753.4	0.344167864	2.054819818	0.216356761	0.1	0.82	0.356599214	4.278689932	12128.06759
753.6	0.344289099	2.055543634	0.216407422	0.1	0.82	0.356682714	4.279691563	12132.34728
753.8	0.344410361	2.056267621	0.216458121	0.1	0.82	0.356766274	4.280693928	12136.62798
754	0.344531653	2.056991778	0.216508856	0.1	0.82	0.356849897	4.281697027	12140.90967
754.2	0.344652973	2.057716107	0.216559629	0.1	0.82	0.35693358	4.282700862	12145.19238
754.4	0.344774321	2.058440607	0.216610439	0.1	0.82	0.357017325	4.283705433	12149.47608
754.6	0.344895698	2.059165278	0.216661286	0.1	0.82	0.357101132	4.284710742	12153.76079
754.8	0.345017105	2.059890121	0.216712171	0.1	0.82	0.357185	4.285716789	12158.04651
755	0.345138539	2.060615135	0.216763093	0.1	0.82	0.357268929	4.286723575	12162.33323
755.2	0.345260003	2.061340321	0.216814052	0.1	0.82	0.357352921	4.287731102	12166.62096
755.4	0.345381495	2.062065679	0.216865049	0.1	0.82	0.357436974	4.288739369	12170.9097
755.6	0.345503016	2.062791208	0.216916084	0.1	0.82	0.357521089	4.289748378	12175.19945
755.8	0.345624566	2.06351691	0.216967156	0.1	0.82	0.357605266	4.29075813	12179.49021
756	0.345746145	2.064242784	0.217018265	0.1	0.82	0.357689505	4.291768626	12183.78198
756.2	0.345867753	2.06496883	0.217069413	0.1	0.82	0.357773806	4.292779867	12188.07476
756.4	0.345989389	2.065695049	0.217120598	0.1	0.82	0.357858169	4.293791853	12192.36855
756.6	0.346111055	2.06642144	0.217171821	0.1	0.82	0.357942595	4.294804586	12196.66335
756.8	0.346232749	2.067148004	0.217223081	0.1	0.82	0.358027083	4.295818066	12200.95917
757	0.346354472	2.067874741	0.21727438	0.1	0.82	0.358111633	4.296832295	12205.256
757.2	0.346476225	2.068601651	0.217325716	0.1	0.82	0.358196246	4.297847273	12209.55385
757.4	0.346598006	2.069328734	0.217377091	0.1	0.82	0.358280921	4.298863001	12213.85271
757.6	0.346719816	2.07005599	0.217428503	0.1	0.82	0.358365659	4.29987948	12218.15259
757.8	0.346841655	2.070783419	0.217479954	0.1	0.82	0.35845046	4.300896712	12222.45349
758	0.346963524	2.071511022	0.217531442	0.1	0.82	0.358535323	4.301914696	12226.75541
758.2	0.347085421	2.072238799	0.217582969	0.1	0.82	0.358620249	4.302933435	12231.05834
758.4	0.347207348	2.072966749	0.217634534	0.1	0.82	0.358705239	4.303952929	12235.36229
758.6	0.347329303	2.073694873	0.217686137	0.1	0.82	0.358790291	4.304973178	12239.66727
758.8	0.347451288	2.074423171	0.217737778	0.1	0.82	0.358875406	4.305994184	12243.97326
759	0.347573302	2.075151644	0.217789458	0.1	0.82	0.358960585	4.307015948	12248.28028
759.2	0.347695345	2.07588029	0.217841176	0.1	0.82	0.359045827	4.308038471	12252.58831
759.4	0.347817418	2.076609111	0.217892933	0.1	0.82	0.359131132	4.309061753	12256.89738

759.6	0.347939519	2.077338107	0.217944728	0.1	0.82	0.359216501	4.310085796	12261.20746
759.8	0.34806165	2.078067277	0.217996562	0.1	0.82	0.359301933	4.311110601	12265.51857
760	0.34818381	2.078796622	0.218048434	0.1	0.82	0.359387429	4.312136168	12269.83071
760.2	0.348306	2.079526142	0.218100345	0.1	0.82	0.359472988	4.313162498	12274.14387
760.4	0.348428219	2.080255836	0.218152294	0.1	0.82	0.359558611	4.314189593	12278.45806
760.6	0.348550467	2.080985706	0.218204282	0.1	0.82	0.359644298	4.315217453	12282.77328
760.8	0.348672744	2.081715752	0.218256309	0.1	0.82	0.359730049	4.31624608	12287.08952
761	0.348795051	2.082445973	0.218308375	0.1	0.82	0.359815864	4.317275474	12291.4068
761.2	0.348917387	2.083176369	0.21836048	0.1	0.82	0.359901742	4.318305636	12295.7251
761.4	0.349039753	2.083906941	0.218412623	0.1	0.82	0.359987685	4.319336567	12300.04444
761.6	0.349162148	2.084637689	0.218464806	0.1	0.82	0.360073693	4.320368269	12304.36481
761.8	0.349284573	2.085368613	0.218517027	0.1	0.82	0.360159764	4.321400742	12308.68621
762	0.349407027	2.086099713	0.218569288	0.1	0.82	0.3602459	4.322433987	12313.00864
762.2	0.34952951	2.086830989	0.218621588	0.1	0.82	0.360332101	4.323468004	12317.33211
762.4	0.349652024	2.087562442	0.218673926	0.1	0.82	0.360418366	4.324502796	12321.65662
762.6	0.349774566	2.088294071	0.218726304	0.1	0.82	0.360504695	4.325538363	12325.98215
762.8	0.349897139	2.089025876	0.218778722	0.1	0.82	0.360591089	4.326574707	12330.30873
763	0.350019741	2.089757859	0.218831179	0.1	0.82	0.360677548	4.327611827	12334.63634
763.2	0.350142372	2.090490018	0.218883675	0.1	0.82	0.360764072	4.328649725	12338.96499
763.4	0.350265033	2.091222355	0.21893621	0.1	0.82	0.360850661	4.329688401	12343.29468
763.6	0.350387724	2.091954868	0.218988785	0.1	0.82	0.360937315	4.330727858	12347.62541
763.8	0.350510445	2.092687559	0.219041399	0.1	0.82	0.361024034	4.331768096	12351.95717
764	0.350633195	2.093420428	0.219094053	0.1	0.82	0.361110818	4.332809116	12356.28998
764.2	0.350755975	2.094153474	0.219146747	0.1	0.82	0.361197668	4.333850918	12360.62383
764.4	0.350878785	2.094886697	0.21919948	0.1	0.82	0.361284583	4.334893505	12364.95873
764.6	0.351001624	2.095620099	0.219252253	0.1	0.82	0.361371563	4.335936876	12369.29466
764.8	0.351124494	2.096353678	0.219305066	0.1	0.82	0.361458609	4.336981034	12373.63165
765	0.351247393	2.097087436	0.219357918	0.1	0.82	0.361545721	4.338025978	12377.96967
765.2	0.351370322	2.097821371	0.21941081	0.1	0.82	0.361632898	4.33907171	12382.30874
765.4	0.351493281	2.098555486	0.219463743	0.1	0.82	0.361720141	4.34011823	12386.64886
765.6	0.35161627	2.099289778	0.219516715	0.1	0.82	0.36180745	4.341165541	12390.99003
765.8	0.351739289	2.10002425	0.219569727	0.1	0.82	0.361894824	4.342213643	12395.33224
766	0.351862337	2.1007589	0.219622779	0.1	0.82	0.361982265	4.343262536	12399.6755
766.2	0.351985416	2.101493729	0.219675872	0.1	0.82	0.362069772	4.344312222	12404.01982
766.4	0.352108525	2.102228737	0.219729004	0.1	0.82	0.362157345	4.345362702	12408.36518
766.6	0.352231664	2.102963924	0.219782177	0.1	0.82	0.362244984	4.346413978	12412.71159
766.8	0.352354832	2.103699291	0.21983539	0.1	0.82	0.36233269	4.347466048	12417.05906
767	0.352478031	2.104434837	0.219888644	0.1	0.82	0.362420462	4.348518916	12421.40758
767.2	0.35260126	2.105170563	0.219941937	0.1	0.82	0.362508301	4.349572582	12425.75715
767.4	0.352724519	2.105906468	0.219995272	0.1	0.82	0.362596207	4.350627047	12430.10778
767.6	0.352847808	2.106642554	0.220048646	0.1	0.82	0.362684179	4.351682312	12434.45946
767.8	0.352971127	2.107378819	0.220102061	0.1	0.82	0.362772218	4.352738377	12438.8122
768	0.353094477	2.108115265	0.220155517	0.1	0.82	0.362860323	4.353795245	12443.16599
768.2	0.353217856	2.10885189	0.220209013	0.1	0.82	0.362948496	4.354852916	12447.52085
768.4	0.353341266	2.109588697	0.220262551	0.1	0.82	0.363036736	4.35591139	12451.87676
768.6	0.353464706	2.110325684	0.220316128	0.1	0.82	0.363125043	4.35697067	12456.23373
768.8	0.353588177	2.111062851	0.220369747	0.1	0.82	0.363213417	4.358030756	12460.59176
769	0.353711678	2.1118002	0.220423406	0.1	0.82	0.363301858	4.359091649	12464.95085
769.2	0.353835209	2.112537729	0.220477107	0.1	0.82	0.363390367	4.360153351	12469.311
769.4	0.35395877	2.11327544	0.220530848	0.1	0.82	0.363478943	4.361215861	12473.67222
769.6	0.354082362	2.114013331	0.22058463	0.1	0.82	0.363567587	4.362279182	12478.0345
769.8	0.354205984	2.114751405	0.220638453	0.1	0.82	0.363656299	4.363343314	12482.39784
770	0.354329636	2.115489659	0.220692318	0.1	0.82	0.363745078	4.364408258	12486.76225

770.2	0.354453319	2.116228096	0.220746223	0.1	0.82	0.363833925	4.365474016	12491.12772
770.4	0.354577032	2.116966714	0.22080017	0.1	0.82	0.36392284	4.366540588	12495.49426
770.6	0.354700776	2.117705514	0.220854158	0.1	0.82	0.364011823	4.367607976	12499.86187
770.8	0.354824551	2.118444497	0.220908187	0.1	0.82	0.364100874	4.36867618	12504.23055
771	0.354948355	2.119183661	0.220962258	0.1	0.82	0.364189993	4.369745201	12508.60029
771.2	0.355072191	2.119923008	0.22101637	0.1	0.82	0.364279181	4.370815042	12512.97111
771.4	0.355196057	2.120662538	0.221070523	0.1	0.82	0.364368436	4.371885702	12517.34299
771.6	0.355319953	2.12140225	0.221124718	0.1	0.82	0.364457761	4.372957182	12521.71595
771.8	0.355443881	2.122142145	0.221178955	0.1	0.82	0.364547153	4.374029485	12526.08998
772	0.355567839	2.122882223	0.221233233	0.1	0.82	0.364636615	4.37510261	12530.46508
772.2	0.355691827	2.123622484	0.221287553	0.1	0.82	0.364726145	4.376176559	12534.84126
772.4	0.355815846	2.124362928	0.221341915	0.1	0.82	0.364815744	4.377251333	12539.21851
772.6	0.355939896	2.125103556	0.221396318	0.1	0.82	0.364905412	4.378326933	12543.59684
772.8	0.356063977	2.125844367	0.221450764	0.1	0.82	0.364995148	4.379403361	12547.97624
773	0.356188088	2.126585362	0.221505251	0.1	0.82	0.365084954	4.380480616	12552.35672
773.2	0.35631223	2.127326541	0.22155978	0.1	0.82	0.365174829	4.381558701	12556.73828
773.4	0.356436403	2.128067903	0.221614351	0.1	0.82	0.365264773	4.382637616	12561.12092
773.6	0.356560607	2.12880945	0.221668964	0.1	0.82	0.365354787	4.383717362	12565.50464
773.8	0.356684842	2.129551181	0.22172362	0.1	0.82	0.36544487	4.384797941	12569.88943
774	0.356809108	2.130293096	0.221778317	0.1	0.82	0.365535022	4.385879353	12574.27531
774.2	0.356933404	2.131035196	0.221833057	0.1	0.82	0.365625244	4.3869616	12578.66228
774.4	0.357057732	2.131777481	0.221887839	0.1	0.82	0.365715536	4.388044683	12583.05032
774.6	0.35718209	2.13251995	0.221942663	0.1	0.82	0.365805898	4.389128602	12587.43945
774.8	0.357306479	2.133262604	0.22199753	0.1	0.82	0.365896329	4.39021336	12591.82966
775	0.3574309	2.134005444	0.222052439	0.1	0.82	0.36598683	4.391298956	12596.22096
775.2	0.357555351	2.134748468	0.222107391	0.1	0.82	0.366077402	4.392385393	12600.61335
775.4	0.357679834	2.135491678	0.222162385	0.1	0.82	0.366168043	4.39347267	12605.00682
775.6	0.357804347	2.136235074	0.222217422	0.1	0.82	0.366258755	4.39456079	12609.40138
775.8	0.357928892	2.136978655	0.222272502	0.1	0.82	0.366349537	4.395649753	12613.79703
776	0.358053467	2.137722422	0.222327624	0.1	0.82	0.36644039	4.39673956	12618.19377
776.2	0.358178074	2.138466375	0.222382789	0.1	0.82	0.366531313	4.397830214	12622.5916
776.4	0.358302712	2.139210514	0.222437997	0.1	0.82	0.366622306	4.398921713	12626.99052
776.6	0.358427382	2.139954839	0.222493248	0.1	0.82	0.366713371	4.400014061	12631.39054
776.8	0.358552082	2.140699351	0.222548541	0.1	0.82	0.366804506	4.401107257	12635.79164
777	0.358676814	2.141444049	0.222603878	0.1	0.82	0.366895712	4.402201303	12640.19384
777.2	0.358801577	2.142188934	0.222659258	0.1	0.82	0.366986989	4.403296201	12644.59714
777.4	0.358926371	2.142934006	0.222714681	0.1	0.82	0.367078337	4.40439195	12649.00153
777.6	0.359051197	2.143679265	0.222770147	0.1	0.82	0.367169756	4.405488553	12653.40702
777.8	0.359176054	2.144424711	0.222825656	0.1	0.82	0.367261246	4.40658601	12657.81361
778	0.359300942	2.145170344	0.222881208	0.1	0.82	0.367352808	4.407684323	12662.22129
778.2	0.359425862	2.145916165	0.222936804	0.1	0.82	0.367444441	4.408783493	12666.63007
778.4	0.359550813	2.146662173	0.222992444	0.1	0.82	0.367536146	4.40988352	12671.03996
778.6	0.359675795	2.147408369	0.223048126	0.1	0.82	0.367627922	4.410984406	12675.45094
778.8	0.359800809	2.148154753	0.223103853	0.1	0.82	0.36771977	4.412086152	12679.86303
779	0.359925855	2.148901324	0.223159623	0.1	0.82	0.36781169	4.41318876	12684.27622
779.2	0.360050932	2.149648084	0.223215436	0.1	0.82	0.367903682	4.414292229	12688.69051
779.4	0.360176041	2.150395033	0.223271293	0.1	0.82	0.367995745	4.415396563	12693.10591
779.6	0.360301181	2.151142169	0.223327194	0.1	0.82	0.368087881	4.41650176	12697.52241
779.8	0.360426352	2.151889495	0.223383139	0.1	0.82	0.368180089	4.417607824	12701.94002
780	0.360551556	2.152637009	0.223439127	0.1	0.82	0.36827237	4.418714754	12706.35873
780.2	0.360676791	2.153384712	0.22349516	0.1	0.82	0.368364722	4.419822552	12710.77855
780.4	0.360802058	2.154132604	0.223551236	0.1	0.82	0.368457148	4.420931219	12715.19948
780.6	0.360927356	2.154880686	0.223607357	0.1	0.82	0.368549645	4.422040757	12719.62152

780.8	0.361052686	2.155628956	0.223663521	0.1	0.82	0.368642216	4.423151166	12724.04468
781	0.361178048	2.156377417	0.22371973	0.1	0.82	0.368734859	4.424262448	12728.46894
781.2	0.361303441	2.157126066	0.223775983	0.1	0.82	0.368827575	4.425374603	12732.89431
781.4	0.361428867	2.157874906	0.22383228	0.1	0.82	0.368920364	4.426487633	12737.3208
781.6	0.361554324	2.158623936	0.223888622	0.1	0.82	0.369013226	4.42760154	12741.7484
781.8	0.361679813	2.159373155	0.223945007	0.1	0.82	0.369106161	4.428716323	12746.17712
782	0.361805334	2.160122566	0.224001438	0.1	0.82	0.36919917	4.429831985	12750.60695
782.2	0.361930887	2.160872166	0.224057913	0.1	0.82	0.369292251	4.430948526	12755.0379
782.4	0.362056471	2.161621957	0.224114432	0.1	0.82	0.369385407	4.432065949	12759.46996
782.6	0.362182088	2.162371939	0.224170996	0.1	0.82	0.369478635	4.433184252	12763.90315
782.8	0.362307737	2.163122111	0.224227605	0.1	0.82	0.369571938	4.434303439	12768.33745
783	0.362433417	2.163872475	0.224284258	0.1	0.82	0.369665314	4.435423511	12772.77288
783.2	0.36255913	2.16462303	0.224340956	0.1	0.82	0.369758764	4.436544467	12777.20942
783.4	0.362684875	2.165373776	0.224397699	0.1	0.82	0.369852288	4.43766631	12781.64709
783.6	0.362810651	2.166124713	0.224454487	0.1	0.82	0.369945886	4.438789041	12786.08588
783.8	0.36293646	2.166875843	0.22451132	0.1	0.82	0.370039558	4.439912661	12790.52579
784	0.363062301	2.167627164	0.224568198	0.1	0.82	0.370133304	4.441037171	12794.96683
784.2	0.363188174	2.168378677	0.224625121	0.1	0.82	0.370227125	4.442162572	12799.40899
784.4	0.36331408	2.169130382	0.224682089	0.1	0.82	0.37032102	4.443288865	12803.85228
784.6	0.363440017	2.169882279	0.224739103	0.1	0.82	0.370414989	4.444416053	12808.29669
784.8	0.363565987	2.170634369	0.224796161	0.1	0.82	0.370509033	4.445544135	12812.74224
785	0.363691989	2.171386651	0.224853265	0.1	0.82	0.370603152	4.446673113	12817.18891
785.2	0.363818023	2.172139126	0.224910415	0.1	0.82	0.370697346	4.447802988	12821.63671
785.4	0.36394409	2.172891794	0.22496761	0.1	0.82	0.370791614	4.448933762	12826.08565
785.6	0.364070189	2.173644654	0.22502485	0.1	0.82	0.370885958	4.450065436	12830.53571
785.8	0.36419632	2.174397708	0.225082136	0.1	0.82	0.370980377	4.45119801	12834.98691
786	0.364322484	2.175150956	0.225139468	0.1	0.82	0.371074871	4.452331486	12839.43924
786.2	0.36444868	2.175904397	0.225196845	0.1	0.82	0.37116944	4.453465866	12843.89271
786.4	0.364574908	2.176658031	0.225254268	0.1	0.82	0.371264085	4.45460115	12848.34731
786.6	0.364701169	2.177411859	0.225311737	0.1	0.82	0.371358805	4.45573734	12852.80305
786.8	0.364827462	2.178165881	0.225369252	0.1	0.82	0.371453601	4.456874437	12857.25992
787	0.364953788	2.178920098	0.225426813	0.1	0.82	0.371548473	4.458012441	12861.71793
787.2	0.365080147	2.179674508	0.225484419	0.1	0.82	0.37164342	4.459151355	12866.17708
787.4	0.365206538	2.180429113	0.225542072	0.1	0.82	0.371738443	4.46029118	12870.63738
787.6	0.365332961	2.181183913	0.225599771	0.1	0.82	0.371833543	4.461431917	12875.09881
787.8	0.365459418	2.181938907	0.225657516	0.1	0.82	0.371928718	4.462573566	12879.56138
788	0.365585907	2.182694096	0.225715308	0.1	0.82	0.37202397	4.46371613	12884.0251
788.2	0.365712428	2.18344948	0.225773145	0.1	0.82	0.372119298	4.464859609	12888.48996
788.4	0.365838982	2.18420506	0.225831029	0.1	0.82	0.372214703	4.466004005	12892.95596
788.6	0.365965569	2.184960835	0.22588896	0.1	0.82	0.372310184	4.467149319	12897.42311
788.8	0.366092189	2.185716805	0.225946937	0.1	0.82	0.372405742	4.468295552	12901.89141
789	0.366218841	2.186472971	0.226004961	0.1	0.82	0.372501376	4.469442705	12906.36085
789.2	0.366345527	2.187229333	0.226063031	0.1	0.82	0.372597087	4.47059078	12910.83144
789.4	0.366472245	2.187985891	0.226121148	0.1	0.82	0.372692876	4.471739778	12915.30318
789.6	0.366598996	2.188742645	0.226179311	0.1	0.82	0.372788741	4.4728897	12919.77607
789.8	0.36672578	2.189499595	0.226237522	0.1	0.82	0.372884684	4.474040548	12924.25011
790	0.366852596	2.190256742	0.226295779	0.1	0.82	0.372980703	4.475192322	12928.7253
790.2	0.366979446	2.191014085	0.226354084	0.1	0.82	0.373076801	4.476345024	12933.20165
790.4	0.367106329	2.191771625	0.226412435	0.1	0.82	0.373172975	4.477498655	12937.67915
790.6	0.367233244	2.192529362	0.226470833	0.1	0.82	0.373269227	4.478653216	12942.1578
790.8	0.367360193	2.193287297	0.226529279	0.1	0.82	0.373365557	4.47980871	12946.63761
791	0.367487175	2.194045428	0.226587772	0.1	0.82	0.373461965	4.480965136	12951.11857
791.2	0.36761419	2.194803757	0.226646312	0.1	0.82	0.373558451	4.482122496	12955.6007

791.4	0.367741237	2.195562284	0.226704899	0.1	0.82	0.373655015	4.483280792	12960.08398
791.6	0.367868318	2.196321008	0.226763534	0.1	0.82	0.373751656	4.484440025	12964.56842
791.8	0.367995432	2.19707993	0.226822216	0.1	0.82	0.373848376	4.485600196	12969.05402
792	0.36812258	2.19783905	0.226880946	0.1	0.82	0.373945175	4.486761306	12973.54078
792.2	0.36824976	2.198598369	0.226939723	0.1	0.82	0.374042051	4.487923356	12978.0287
792.4	0.368376974	2.199357886	0.226998548	0.1	0.82	0.374139007	4.489086349	12982.51779
792.6	0.368504221	2.200117601	0.227057421	0.1	0.82	0.374236041	4.490250284	12987.00804
792.8	0.368631501	2.200877516	0.227116341	0.1	0.82	0.374333153	4.491415164	12991.49945
793	0.368758815	2.201637629	0.227175309	0.1	0.82	0.374430345	4.49258099	12995.99203
793.2	0.368886162	2.202397941	0.227234326	0.1	0.82	0.374527615	4.493747762	13000.48578
793.4	0.369013542	2.203158452	0.22729339	0.1	0.82	0.374624965	4.494915484	13004.9807
793.6	0.369140956	2.203919163	0.227352502	0.1	0.82	0.374722394	4.496084154	13009.47678
793.8	0.369268403	2.204680073	0.227411662	0.1	0.82	0.374819902	4.497253776	13013.97403
794	0.369395884	2.205441183	0.227470871	0.1	0.82	0.37491749	4.498424349	13018.47246
794.2	0.369523398	2.206202493	0.227530128	0.1	0.82	0.375015157	4.499595877	13022.97205
794.4	0.369650945	2.206964003	0.227589433	0.1	0.82	0.375112903	4.500768359	13027.47282
794.6	0.369778526	2.207725713	0.227648786	0.1	0.82	0.37521073	4.501941797	13031.97477
794.8	0.369906141	2.208487624	0.227708188	0.1	0.82	0.375308636	4.503116192	13036.47788
795	0.370033789	2.209249735	0.227767639	0.1	0.82	0.375406622	4.504291546	13040.98217
795.2	0.370161471	2.210012047	0.227827138	0.1	0.82	0.375504688	4.505467861	13045.48764
795.4	0.370289187	2.210774559	0.227886685	0.1	0.82	0.375602835	4.506645136	13049.99429
795.6	0.370416936	2.211537273	0.227946282	0.1	0.82	0.375701061	4.507823375	13054.50211
795.8	0.370544719	2.212300188	0.228005927	0.1	0.82	0.375799368	4.509002577	13059.01111
796	0.370672535	2.213063304	0.228065621	0.1	0.82	0.375897756	4.510182745	13063.52129
796.2	0.370800385	2.213826621	0.228125363	0.1	0.82	0.375996224	4.511363879	13068.03266
796.4	0.37092827	2.214590141	0.228185155	0.1	0.82	0.376094773	4.512545982	13072.5452
796.6	0.371056188	2.215353862	0.228244996	0.1	0.82	0.376193403	4.513729054	13077.05893
796.8	0.371184139	2.216117785	0.228304886	0.1	0.82	0.376292113	4.514913096	13081.57385
797	0.371312125	2.216881911	0.228364825	0.1	0.82	0.376390905	4.516098111	13086.08994
797.2	0.371440144	2.217646238	0.228424814	0.1	0.82	0.376489778	4.517284098	13090.60723
797.4	0.371568198	2.218410769	0.228484851	0.1	0.82	0.376588732	4.518471061	13095.1257
797.6	0.371696285	2.219175502	0.228544939	0.1	0.82	0.376687768	4.519658999	13099.64536
797.8	0.371824407	2.219940438	0.228605075	0.1	0.82	0.376786885	4.520847915	13104.16621
798	0.371952562	2.220705576	0.228665261	0.1	0.82	0.376886084	4.52203781	13108.68824
798.2	0.372080751	2.221470919	0.228725497	0.1	0.82	0.376985364	4.523228685	13113.21147
798.4	0.372208975	2.222236464	0.228785782	0.1	0.82	0.377084726	4.524420541	13117.73589
798.6	0.372337233	2.223002213	0.228846117	0.1	0.82	0.37718417	4.52561338	13122.26151
798.8	0.372465524	2.223768166	0.228906502	0.1	0.82	0.377283697	4.526807203	13126.78831
799	0.37259385	2.224534322	0.228966937	0.1	0.82	0.377383305	4.528002012	13131.31632
799.2	0.37272221	2.225300683	0.229027421	0.1	0.82	0.377482996	4.529197808	13135.84551
799.4	0.372850604	2.226067248	0.229087956	0.1	0.82	0.377582769	4.530394592	13140.37591
799.6	0.372979033	2.226834017	0.229148541	0.1	0.82	0.377682625	4.531592365	13144.9075
799.8	0.373107495	2.227600991	0.229209176	0.1	0.82	0.377782563	4.53279113	13149.44029
800	0.373235992	2.228368169	0.229269861	0.1	0.82	0.377882584	4.533990887	13153.97428
800.2	0.373364524	2.229135553	0.229330596	0.1	0.82	0.377982688	4.535191638	13158.50947
800.4	0.373493089	2.229903141	0.229391382	0.1	0.82	0.378082875	4.536393384	13163.04587
800.6	0.37362169	2.230670935	0.229452218	0.1	0.82	0.378183146	4.537596126	13167.58346
800.8	0.373750324	2.231438934	0.229513105	0.1	0.82	0.378283499	4.538799867	13172.12226
801	0.373878993	2.232207139	0.229574042	0.1	0.82	0.378383936	4.540004607	13176.66227
801.2	0.374007696	2.23297555	0.22963503	0.1	0.82	0.378484456	4.541210348	13181.20348
801.4	0.374136434	2.233744166	0.229696068	0.1	0.82	0.378585059	4.54241709	13185.7459
801.6	0.374265206	2.234512988	0.229757157	0.1	0.82	0.378685747	4.543624837	13190.28952
801.8	0.374394013	2.235282017	0.229818297	0.1	0.82	0.378786518	4.544833588	13194.83435

802	0.374522855	2.236051253	0.229879489	0.1	0.82	0.378887373	4.546043345	13199.3804
802.2	0.374651731	2.236820694	0.229940731	0.1	0.82	0.378988312	4.547254111	13203.92765
802.4	0.374780642	2.237590343	0.230002024	0.1	0.82	0.379089335	4.548465885	13208.47612
802.6	0.374909587	2.238360199	0.230063368	0.1	0.82	0.379190443	4.54967867	13213.0258
802.8	0.375038567	2.239130261	0.230124763	0.1	0.82	0.379291635	4.550892467	13217.57669
803	0.375167582	2.239900532	0.23018621	0.1	0.82	0.379392911	4.552107278	13222.1288
803.2	0.375296632	2.240671009	0.230247708	0.1	0.82	0.379494272	4.553323103	13226.68212
803.4	0.375425716	2.241441694	0.230309258	0.1	0.82	0.379595718	4.554539945	13231.23666
803.6	0.375554835	2.242212588	0.230370859	0.1	0.82	0.379697249	4.555757804	13235.79242
803.8	0.375683989	2.242983689	0.230432511	0.1	0.82	0.379798865	4.556976683	13240.34939
804	0.375813178	2.243754998	0.230494215	0.1	0.82	0.379900566	4.558196582	13244.90759
804.2	0.375942402	2.244526516	0.230555971	0.1	0.82	0.380002352	4.559417503	13249.46701
804.4	0.376071661	2.245298242	0.230617779	0.1	0.82	0.380104223	4.560639447	13254.02765
804.6	0.376200954	2.246070177	0.230679638	0.1	0.82	0.38020618	4.561862416	13258.58951
804.8	0.376330283	2.246842321	0.23074155	0.1	0.82	0.380308222	4.563086412	13263.1526
805	0.376459647	2.247614674	0.230803513	0.1	0.82	0.38041035	4.564311435	13267.71691
805.2	0.376589045	2.248387236	0.230865529	0.1	0.82	0.380512564	4.565537488	13272.28245
805.4	0.376718479	2.249160008	0.230927596	0.1	0.82	0.380614864	4.566764571	13276.84921
805.6	0.376847948	2.249932989	0.230989716	0.1	0.82	0.38071725	4.567992687	13281.4172
805.8	0.376977452	2.25070618	0.231051888	0.1	0.82	0.380819722	4.569221836	13285.98642
806	0.377106991	2.251479581	0.231114113	0.1	0.82	0.380922281	4.57045202	13290.55688
806.2	0.377236566	2.252253192	0.23117639	0.1	0.82	0.381024926	4.57168324	13295.12856
806.4	0.377366175	2.253027013	0.231238719	0.1	0.82	0.381127657	4.572915499	13299.70148
806.6	0.37749582	2.253801045	0.231301101	0.1	0.82	0.381230475	4.574148797	13304.27562
806.8	0.3776255	2.254575288	0.231363536	0.1	0.82	0.38133338	4.575383136	13308.85101
807	0.377755216	2.255349741	0.231426024	0.1	0.82	0.381436372	4.576618517	13313.42763
807.2	0.377884967	2.256124406	0.231488564	0.1	0.82	0.381539451	4.577854942	13318.00548
807.4	0.378014753	2.256899282	0.231551157	0.1	0.82	0.381642617	4.579092413	13322.58457
807.6	0.378144575	2.257674369	0.231613803	0.1	0.82	0.381745871	4.58033093	13327.1649
807.8	0.378274432	2.258449668	0.231676503	0.1	0.82	0.381849212	4.581570496	13331.74647
808	0.378404324	2.259225178	0.231739255	0.1	0.82	0.38195264	4.582811112	13336.32929
808.2	0.378534252	2.2600009	0.231802061	0.1	0.82	0.382056156	4.584052779	13340.91334
808.4	0.378664216	2.260776835	0.231864919	0.1	0.82	0.38215976	4.585295499	13345.49863
808.6	0.378794215	2.261552982	0.231927832	0.1	0.82	0.382263452	4.586539273	13350.08517
808.8	0.37892425	2.262329341	0.231990797	0.1	0.82	0.382367232	4.587784103	13354.67296
809	0.37905432	2.263105913	0.232053816	0.1	0.82	0.3824711	4.58902999	13359.26199
809.2	0.379184426	2.263882698	0.232116889	0.1	0.82	0.382575056	4.590276936	13363.85226
809.4	0.379314568	2.264659696	0.232180015	0.1	0.82	0.382679101	4.591524943	13368.44379
809.6	0.379444745	2.265436907	0.232243195	0.1	0.82	0.382783234	4.592774011	13373.03656
809.8	0.379574958	2.266214332	0.232306429	0.1	0.82	0.382887456	4.594024143	13377.63059
810	0.379705207	2.26699197	0.232369717	0.1	0.82	0.382991767	4.59527534	13382.22586
810.2	0.379835492	2.267769822	0.232433058	0.1	0.82	0.383096167	4.596527603	13386.82239
810.4	0.379965813	2.268547887	0.232496454	0.1	0.82	0.383200656	4.597780934	13391.42017
810.6	0.380096169	2.269326167	0.232559904	0.1	0.82	0.383305234	4.599035335	13396.01921
810.8	0.380226561	2.270104662	0.232623408	0.1	0.82	0.383409901	4.600290807	13400.6195
811	0.38035699	2.27088337	0.232686966	0.1	0.82	0.383514658	4.601547351	13405.22104
811.2	0.380487454	2.271662294	0.232750579	0.1	0.82	0.383619504	4.602804969	13409.82385
811.4	0.380617954	2.272441432	0.232814246	0.1	0.82	0.38372444	4.604063664	13414.42791
811.6	0.38074849	2.273220785	0.232877967	0.1	0.82	0.383829466	4.605323435	13419.03324
811.8	0.380879062	2.274000354	0.232941744	0.1	0.82	0.383934582	4.606584285	13423.63982
812	0.381009671	2.274780138	0.233005574	0.1	0.82	0.384039788	4.607846215	13428.24767
812.2	0.381140315	2.275560138	0.23306946	0.1	0.82	0.384145084	4.609109228	13432.85678
812.4	0.381270996	2.276340353	0.2331334	0.1	0.82	0.38425047	4.610373323	13437.46715

812.6	0.381401713	2.277120785	0.233197395	0.1	0.82	0.384355947	4.611638504	13442.07879
812.8	0.381532466	2.277901432	0.233261446	0.1	0.82	0.384461515	4.612904771	13446.69169
813	0.381663255	2.278682296	0.233325551	0.1	0.82	0.384567173	4.614172127	13451.30586
813.2	0.38179408	2.279463377	0.233389711	0.1	0.82	0.384672922	4.615440572	13455.92131
813.4	0.381924942	2.280244674	0.233453927	0.1	0.82	0.384778762	4.616710108	13460.53802
813.6	0.38205584	2.281026189	0.233518198	0.1	0.82	0.384884694	4.617980737	13465.156
813.8	0.382186775	2.28180792	0.233582524	0.1	0.82	0.384990716	4.619252461	13469.77525
814	0.382317746	2.282589869	0.233646906	0.1	0.82	0.38509683	4.620525281	13474.39577
814.2	0.382448753	2.283372035	0.233711343	0.1	0.82	0.385203036	4.621799198	13479.01757
814.4	0.382579797	2.284154419	0.233775836	0.1	0.82	0.385309333	4.623074214	13483.64065
814.6	0.382710877	2.28493702	0.233840385	0.1	0.82	0.385415722	4.624350332	13488.265
814.8	0.382841994	2.28571984	0.233904989	0.1	0.82	0.385522203	4.625627551	13492.89063
815	0.382973147	2.286502878	0.233969649	0.1	0.82	0.385628776	4.626905875	13497.51753
815.2	0.383104337	2.287286135	0.234034366	0.1	0.82	0.385735441	4.628185304	13502.14572
815.4	0.383235564	2.28806961	0.234099138	0.1	0.82	0.385842199	4.629465841	13506.77518
815.6	0.383366827	2.288853304	0.234163966	0.1	0.82	0.385949049	4.630747486	13511.40593
815.8	0.383498127	2.289637217	0.234228851	0.1	0.82	0.386055991	4.632030242	13516.03796
816	0.383629463	2.290421349	0.234293791	0.1	0.82	0.386163027	4.633314109	13520.67127
816.2	0.383760837	2.2912057	0.234358788	0.1	0.82	0.386270155	4.634599091	13525.30587
816.4	0.383892247	2.291990272	0.234423842	0.1	0.82	0.386377376	4.635885188	13529.94176
816.6	0.384023694	2.292775062	0.234488952	0.1	0.82	0.386484691	4.637172401	13534.57893
816.8	0.384155178	2.293560073	0.234554119	0.1	0.82	0.386592098	4.638460733	13539.21739
817	0.384286698	2.294345305	0.234619342	0.1	0.82	0.386699599	4.639750186	13543.85714
817.2	0.384418256	2.295130756	0.234684622	0.1	0.82	0.386807194	4.64104076	13548.49818
817.4	0.384549851	2.295916428	0.234749959	0.1	0.82	0.386914882	4.642332458	13553.14052
817.6	0.384681482	2.296702321	0.234815353	0.1	0.82	0.387022664	4.64362528	13557.78414
817.8	0.384813151	2.297488434	0.234880804	0.1	0.82	0.387130541	4.64491923	13562.42906
818	0.384944856	2.298274769	0.234946312	0.1	0.82	0.387238511	4.646214308	13567.07527
818.2	0.385076599	2.299061326	0.235011877	0.1	0.82	0.387346575	4.647510516	13571.72278
818.4	0.385208379	2.299848103	0.235077499	0.1	0.82	0.387454734	4.648807856	13576.37159
818.6	0.385340195	2.300635103	0.235143179	0.1	0.82	0.387562987	4.650106329	13581.0217
818.8	0.385472049	2.301422324	0.235208916	0.1	0.82	0.387671335	4.651405937	13585.6731
819	0.385603941	2.302209768	0.235274711	0.1	0.82	0.387779778	4.652706682	13590.32581
819.2	0.385735869	2.302997433	0.235340563	0.1	0.82	0.387888316	4.654008565	13594.97982
819.4	0.385867835	2.303785322	0.235406473	0.1	0.82	0.387996949	4.655311588	13599.63513
819.6	0.385999838	2.304573433	0.235472441	0.1	0.82	0.388105677	4.656615753	13604.29175
819.8	0.386131878	2.305361767	0.235538466	0.1	0.82	0.3882145	4.657921062	13608.94967
820	0.386263956	2.306150324	0.23560455	0.1	0.82	0.388323419	4.659227515	13613.6089
820.2	0.386396071	2.306939104	0.235670691	0.1	0.82	0.388432434	4.660535116	13618.26943
820.4	0.386528224	2.307728108	0.235736891	0.1	0.82	0.388541544	4.661843865	13622.93127
820.6	0.386660414	2.308517335	0.235803149	0.1	0.82	0.38865075	4.663153764	13627.59443
820.8	0.386792641	2.309306787	0.235869465	0.1	0.82	0.388760052	4.664464815	13632.25889
821	0.386924907	2.310096462	0.23593584	0.1	0.82	0.388869451	4.665777019	13636.92467
821.2	0.387057209	2.310886362	0.236002273	0.1	0.82	0.388978946	4.667090379	13641.59176
821.4	0.387189549	2.311676486	0.236068764	0.1	0.82	0.389088537	4.668404896	13646.26017
821.6	0.387321927	2.312466835	0.236135314	0.1	0.82	0.389198225	4.669720571	13650.92989
821.8	0.387454343	2.313257409	0.236201923	0.1	0.82	0.38930801	4.671037407	13655.60092
822	0.387586796	2.314048208	0.236268591	0.1	0.82	0.389417891	4.672355405	13660.27328
822.2	0.387719287	2.314839232	0.236335317	0.1	0.82	0.38952787	4.673674567	13664.94695
822.4	0.387851816	2.315630482	0.236402103	0.1	0.82	0.389637946	4.674994895	13669.62195
822.6	0.387984382	2.316421957	0.236468947	0.1	0.82	0.389748119	4.67631639	13674.29826
822.8	0.388116987	2.317213659	0.236535851	0.1	0.82	0.38985839	4.677639054	13678.9759
823	0.388249629	2.318005586	0.236602814	0.1	0.82	0.389968758	4.678962889	13683.65487

823.2	0.388382309	2.31879774	0.236669836	0.1	0.82	0.390079224	4.680287896	13688.33515
823.4	0.388515027	2.31959012	0.236736918	0.1	0.82	0.390189789	4.681614078	13693.01677
823.6	0.388647784	2.320382727	0.236804059	0.1	0.82	0.390300451	4.682941436	13697.69971
823.8	0.388780578	2.32117556	0.23687126	0.1	0.82	0.390411211	4.684269971	13702.38398
824	0.38891341	2.321968621	0.236938521	0.1	0.82	0.39052207	4.685599686	13707.06958
824.2	0.38904628	2.32276191	0.237005841	0.1	0.82	0.390633027	4.686930583	13711.75651
824.4	0.389179188	2.323555425	0.237073221	0.1	0.82	0.390744083	4.688262662	13716.44477
824.6	0.389312135	2.324349169	0.237140661	0.1	0.82	0.390855238	4.689595927	13721.13437
824.8	0.389445119	2.32514314	0.237208161	0.1	0.82	0.390966492	4.690930378	13725.8253
825	0.389578142	2.32593734	0.237275722	0.1	0.82	0.391077845	4.692266017	13730.51757
825.2	0.389711203	2.326731768	0.237343342	0.1	0.82	0.391189297	4.693602847	13735.21117
825.4	0.389844303	2.327526424	0.237411023	0.1	0.82	0.391300848	4.694940868	13739.90611
825.6	0.38997744	2.328321309	0.237478764	0.1	0.82	0.391412499	4.696280084	13744.60239
825.8	0.390110616	2.329116423	0.237546566	0.1	0.82	0.39152425	4.697620495	13749.30001
826	0.390243831	2.329911766	0.237614428	0.1	0.82	0.391636101	4.698962103	13753.99897
826.2	0.390377083	2.330707339	0.237682351	0.1	0.82	0.391748051	4.70030491	13758.69928
826.4	0.390510375	2.331503141	0.237750335	0.1	0.82	0.391860102	4.701648918	13763.40093
826.6	0.390643704	2.332299173	0.237818379	0.1	0.82	0.391972253	4.702994129	13768.10392
826.8	0.390777073	2.333095435	0.237886485	0.1	0.82	0.392084505	4.704340545	13772.80826
827	0.39091048	2.333891927	0.237954652	0.1	0.82	0.392196857	4.705688167	13777.51395
827.2	0.391043925	2.33468865	0.238022879	0.1	0.82	0.39230931	4.707036997	13782.22099
827.4	0.391177409	2.335485603	0.238091168	0.1	0.82	0.392421863	4.708387037	13786.92937
827.6	0.391310932	2.336282787	0.238159518	0.1	0.82	0.392534518	4.709738289	13791.63911
827.8	0.391444493	2.337080202	0.23822793	0.1	0.82	0.392647274	4.711090755	13796.3502
828	0.391578093	2.337877848	0.238296403	0.1	0.82	0.392760132	4.712444436	13801.06265
828.2	0.391711732	2.338675726	0.238364938	0.1	0.82	0.392873091	4.713799335	13805.77645
828.4	0.39184541	2.339473835	0.238433534	0.1	0.82	0.392986151	4.715155452	13810.4916
828.6	0.391979126	2.340272176	0.238502193	0.1	0.82	0.393099314	4.716512791	13815.20811
828.8	0.392112882	2.34107075	0.238570913	0.1	0.82	0.393212578	4.717871352	13819.92598
829	0.392246676	2.341869555	0.238639695	0.1	0.82	0.393325945	4.719231139	13824.64522
829.2	0.392380509	2.342668593	0.238708539	0.1	0.82	0.393439414	4.720592151	13829.36581
829.4	0.392514382	2.343467864	0.238777445	0.1	0.82	0.393552985	4.721954393	13834.08776
829.6	0.392648293	2.344267368	0.238846414	0.1	0.82	0.393666659	4.723317864	13838.81108
829.8	0.392782243	2.345067105	0.238915445	0.1	0.82	0.393780436	4.724682568	13843.53576
830	0.392916233	2.345867075	0.238984538	0.1	0.82	0.393894315	4.726048506	13848.26181
830.2	0.393050261	2.346667279	0.239053694	0.1	0.82	0.394008298	4.727415679	13852.98923
830.4	0.393184329	2.347467717	0.239122912	0.1	0.82	0.394122384	4.728784091	13857.71801
830.6	0.393318436	2.348268388	0.239192193	0.1	0.82	0.394236573	4.730153742	13862.44816
830.8	0.393452582	2.349069294	0.239261537	0.1	0.82	0.394350866	4.731524635	13867.17969
831	0.393586767	2.349870434	0.239330944	0.1	0.82	0.394465263	4.732896771	13871.91259
831.2	0.393720992	2.350671809	0.239400414	0.1	0.82	0.394579763	4.734270152	13876.64686
831.4	0.393855256	2.351473419	0.239469947	0.1	0.82	0.394694367	4.735644781	13881.3825
831.6	0.393989559	2.352275263	0.239539544	0.1	0.82	0.394809076	4.737020659	13886.11952
831.8	0.394123902	2.353077343	0.239609203	0.1	0.82	0.394923889	4.738397788	13890.85792
832	0.394258284	2.353879659	0.239678926	0.1	0.82	0.395038806	4.73977617	13895.5977
832.2	0.394392706	2.35468221	0.239748713	0.1	0.82	0.395153828	4.741155807	13900.33885
832.4	0.394527167	2.355484997	0.239818563	0.1	0.82	0.395268955	4.742536701	13905.08139
832.6	0.394661668	2.356288021	0.239888477	0.1	0.82	0.395384187	4.743918853	13909.82531
832.8	0.394796208	2.357091281	0.239958454	0.1	0.82	0.395499524	4.745302266	13914.57061
833	0.394930788	2.357894777	0.240028496	0.1	0.82	0.395614966	4.746686942	13919.3173
833.2	0.395065408	2.35869851	0.240098601	0.1	0.82	0.395730514	4.748072882	13924.06537
833.4	0.395200067	2.35950248	0.24016877	0.1	0.82	0.395846167	4.749460089	13928.81483
833.6	0.395334766	2.360306687	0.240239004	0.1	0.82	0.395961927	4.750848564	13933.56568

833.8	0.395469505	2.361111132	0.240309302	0.1	0.82	0.396077792	4.75223831	13938.31792
834	0.395604284	2.361915815	0.240379664	0.1	0.82	0.396193763	4.753629328	13943.07155
834.2	0.395739102	2.362720735	0.240450091	0.1	0.82	0.39630984	4.75502162	13947.82657
834.4	0.39587396	2.363525894	0.240520583	0.1	0.82	0.396426024	4.756415188	13952.58298
834.6	0.396008859	2.36433129	0.240591139	0.1	0.82	0.396542315	4.757810035	13957.34079
834.8	0.396143797	2.365136926	0.24066176	0.1	0.82	0.396658712	4.759206162	13962.1
835	0.396278775	2.3659428	0.240732445	0.1	0.82	0.396775216	4.760603571	13966.8606
835.2	0.396413794	2.366748913	0.240803196	0.1	0.82	0.396891828	4.762002264	13971.6226
835.4	0.396548852	2.367555265	0.240874012	0.1	0.82	0.397008546	4.763402244	13976.38601
835.6	0.39668395	2.368361857	0.240944893	0.1	0.82	0.397125372	4.764803511	13981.15081
835.8	0.396819089	2.369168689	0.241015839	0.1	0.82	0.397242306	4.766206069	13985.91702
836	0.396954268	2.36997576	0.241086851	0.1	0.82	0.397359347	4.767609918	13990.68463
836.2	0.397089487	2.370783072	0.241157928	0.1	0.82	0.397476496	4.769015062	13995.45364
836.4	0.397224746	2.371590624	0.24122907	0.1	0.82	0.397593754	4.770421502	14000.22406
836.6	0.397360046	2.372398416	0.241300279	0.1	0.82	0.397711119	4.77182924	14004.99589
836.8	0.397495385	2.373206449	0.241371553	0.1	0.82	0.397828594	4.773238278	14009.76913
837	0.397630766	2.374014723	0.241442893	0.1	0.82	0.397946176	4.774648619	14014.54378
837.2	0.397766186	2.374823239	0.241514299	0.1	0.82	0.398063868	4.776060263	14019.31984
837.4	0.397901647	2.375631996	0.241585771	0.1	0.82	0.398181668	4.777473214	14024.09731
837.6	0.398037149	2.376440994	0.241657309	0.1	0.82	0.398299577	4.778887473	14028.8762
837.8	0.398172691	2.377250235	0.241728914	0.1	0.82	0.398417596	4.780303042	14033.6565
838	0.398308274	2.378059718	0.241800585	0.1	0.82	0.398535724	4.781719924	14038.43822
838.2	0.398443897	2.378869443	0.241872323	0.1	0.82	0.398653962	4.78313812	14043.22136
838.4	0.398579561	2.37967941	0.241944127	0.1	0.82	0.39877231	4.784557632	14048.00592
838.6	0.398715265	2.380489621	0.242015998	0.1	0.82	0.398890767	4.785978463	14052.7919
838.8	0.398851011	2.381300074	0.242087935	0.1	0.82	0.399009335	4.787400615	14057.5793
839	0.398986797	2.382110771	0.24215994	0.1	0.82	0.399128013	4.788824089	14062.36812
839.2	0.399122623	2.382921711	0.242232012	0.1	0.82	0.399246802	4.790248888	14067.15837
839.4	0.399258491	2.383732895	0.24230415	0.1	0.82	0.399365701	4.791675013	14071.95005
839.6	0.3993944	2.384544323	0.242376356	0.1	0.82	0.399484711	4.793102467	14076.74315
839.8	0.399530349	2.385355995	0.24244863	0.1	0.82	0.399603831	4.794531252	14081.53768
840	0.399666339	2.386167912	0.242520971	0.1	0.82	0.399723064	4.795961371	14086.33364
840.2	0.399802371	2.386980073	0.242593379	0.1	0.82	0.399842407	4.797392824	14091.13103
840.4	0.399938443	2.387792479	0.242665855	0.1	0.82	0.399961862	4.798825614	14095.92986
840.6	0.400074556	2.38860513	0.242738399	0.1	0.82	0.400081429	4.800259744	14100.73012
840.8	0.400210711	2.389418027	0.24281101	0.1	0.82	0.400201107	4.801695215	14105.53181
841	0.400346906	2.390231169	0.24288369	0.1	0.82	0.400320898	4.803132029	14110.33495
841.2	0.400483143	2.391044557	0.242956438	0.1	0.82	0.400440801	4.80457019	14115.13952
841.4	0.400619421	2.391858191	0.243029254	0.1	0.82	0.400560816	4.806009697	14119.94553
841.6	0.40075574	2.392672071	0.243102138	0.1	0.82	0.400680943	4.807450555	14124.75298
841.8	0.400892101	2.393486198	0.24317509	0.1	0.82	0.400801184	4.808892765	14129.56187
842	0.401028503	2.394300571	0.243248112	0.1	0.82	0.400921537	4.810336329	14134.37221
842.2	0.401164946	2.395115192	0.243321201	0.1	0.82	0.401042004	4.811781249	14139.18399
842.4	0.40130143	2.39593006	0.24339436	0.1	0.82	0.401162584	4.813227527	14143.99721
842.6	0.401437956	2.396745175	0.243467587	0.1	0.82	0.401283277	4.814675166	14148.81189
842.8	0.401574524	2.397560538	0.243540883	0.1	0.82	0.401404084	4.816124168	14153.62801
843	0.401711133	2.398376148	0.243614249	0.1	0.82	0.401525005	4.817574534	14158.44559
843.2	0.401847784	2.399192007	0.243687683	0.1	0.82	0.40164604	4.819026267	14163.26461
843.4	0.401984476	2.400008115	0.243761187	0.1	0.82	0.401767189	4.82047937	14168.08509
843.6	0.40212121	2.40082447	0.24383476	0.1	0.82	0.401888452	4.821933844	14172.90703
843.8	0.402257985	2.401641075	0.243908403	0.1	0.82	0.40200983	4.823389692	14177.73042
844	0.402394803	2.402457929	0.243982115	0.1	0.82	0.402131323	4.824846915	14182.55526
844.2	0.402531662	2.403275032	0.244055897	0.1	0.82	0.40225293	4.826305516	14187.38157

844.4	0.402668562	2.404092385	0.244129749	0.1	0.82	0.402374653	4.827765497	14192.20934
844.6	0.402805505	2.404909988	0.244203671	0.1	0.82	0.402496491	4.82922686	14197.03856
844.8	0.40294249	2.40572784	0.244277663	0.1	0.82	0.402618444	4.830689608	14201.86925
845	0.403079516	2.406545943	0.244351725	0.1	0.82	0.402740513	4.832153743	14206.70141
845.2	0.403216585	2.407364297	0.244425857	0.1	0.82	0.402862698	4.833619266	14211.53502
845.4	0.403353695	2.408182901	0.24450006	0.1	0.82	0.402984999	4.835086181	14216.37011
845.6	0.403490848	2.409001756	0.244574333	0.1	0.82	0.403107416	4.836554488	14221.20667
845.8	0.403628042	2.409820863	0.244648677	0.1	0.82	0.403229949	4.838024192	14226.04469
846	0.403765279	2.410640221	0.244723092	0.1	0.82	0.403352599	4.839495293	14230.88419
846.2	0.403902558	2.411459831	0.244797577	0.1	0.82	0.403475366	4.840967794	14235.72515
846.4	0.404039879	2.412279692	0.244872133	0.1	0.82	0.40359825	4.842441698	14240.56759
846.6	0.404177242	2.413099806	0.244946761	0.1	0.82	0.403721251	4.843917006	14245.41151
846.8	0.404314648	2.413920173	0.245021459	0.1	0.82	0.403844369	4.84539372	14250.25691
847	0.404452096	2.414740792	0.245096229	0.1	0.82	0.403967605	4.846871844	14255.10378
847.2	0.404589586	2.415561664	0.24517107	0.1	0.82	0.404090958	4.848351379	14259.95213
847.4	0.404727119	2.416382789	0.245245983	0.1	0.82	0.40421443	4.849832327	14264.80196
847.6	0.404864694	2.417204168	0.245320968	0.1	0.82	0.404338019	4.851314692	14269.65328
847.8	0.405002311	2.4180258	0.245396024	0.1	0.82	0.404461727	4.852798474	14274.50607
848	0.405139972	2.418847687	0.245471152	0.1	0.82	0.404585553	4.854283677	14279.36036
848.2	0.405277674	2.419669827	0.245546352	0.1	0.82	0.404709498	4.855770302	14284.21613
848.4	0.40541542	2.420492222	0.245621624	0.1	0.82	0.404833561	4.857258352	14289.07339
848.6	0.405553208	2.421314872	0.245696969	0.1	0.82	0.404957744	4.85874783	14293.93213
848.8	0.405691038	2.422137776	0.245772385	0.1	0.82	0.405082046	4.860238737	14298.79237
849	0.405828912	2.422960936	0.245847875	0.1	0.82	0.405206467	4.861731076	14303.6541
849.2	0.405966828	2.423784351	0.245923436	0.1	0.82	0.405331008	4.863224849	14308.51733
849.4	0.406104787	2.424608022	0.245999071	0.1	0.82	0.405455669	4.864720058	14313.38205
849.6	0.406242789	2.425431948	0.246074778	0.1	0.82	0.405580449	4.866216706	14318.24827
849.8	0.406380834	2.426256131	0.246150558	0.1	0.82	0.40570535	4.867714796	14323.11598
850	0.406518922	2.42708057	0.246226411	0.1	0.82	0.405830371	4.869214329	14327.98519
850.2	0.406657052	2.427905266	0.246302338	0.1	0.82	0.405955513	4.870715307	14332.85591
850.4	0.406795226	2.428730219	0.246378337	0.1	0.82	0.406080776	4.872217734	14337.72813
850.6	0.406933443	2.429555429	0.246454411	0.1	0.82	0.406206159	4.873721611	14342.60185
850.8	0.407071703	2.430380896	0.246530557	0.1	0.82	0.406331664	4.875226941	14347.47708
851	0.407210006	2.431206621	0.246606777	0.1	0.82	0.40645729	4.876733727	14352.35381
851.2	0.407348353	2.432032604	0.246683071	0.1	0.82	0.406583038	4.878241969	14357.23205
851.4	0.407486742	2.432858845	0.246759439	0.1	0.82	0.406708907	4.879751672	14362.1118
851.6	0.407625175	2.433685344	0.246835881	0.1	0.82	0.406834899	4.881262837	14366.99307
851.8	0.407763651	2.434512103	0.246912397	0.1	0.82	0.406961012	4.882775467	14371.87584
852	0.407902171	2.43533912	0.246988987	0.1	0.82	0.407087248	4.884289564	14376.76013
852.2	0.408040734	2.436166396	0.247065651	0.1	0.82	0.407213607	4.88580513	14381.64594
852.4	0.40817934	2.436993931	0.24714239	0.1	0.82	0.407340088	4.887322168	14386.53326
852.6	0.40831799	2.437821727	0.247219204	0.1	0.82	0.407466692	4.888840681	14391.4221
852.8	0.408456683	2.438649782	0.247296092	0.1	0.82	0.40759342	4.89036067	14396.31246
853	0.40859542	2.439478097	0.247373056	0.1	0.82	0.40772027	4.891882138	14401.20434
853.2	0.408734201	2.440306673	0.247450094	0.1	0.82	0.407847244	4.893405088	14406.09775
853.4	0.408873025	2.44113551	0.247527207	0.1	0.82	0.407974342	4.894929522	14410.99268
853.6	0.409011893	2.441964607	0.247604395	0.1	0.82	0.408101564	4.896455442	14415.88913
853.8	0.409150805	2.442793966	0.247681659	0.1	0.82	0.408228911	4.897982851	14420.78712
854	0.409289761	2.443623586	0.247758998	0.1	0.82	0.408356381	4.899511751	14425.68663
854.2	0.40942876	2.444453468	0.247836413	0.1	0.82	0.408483976	4.901042145	14430.58767
854.4	0.409567803	2.445283612	0.247913904	0.1	0.82	0.408611696	4.902574035	14435.49024
854.6	0.40970689	2.446114019	0.24799147	0.1	0.82	0.408739541	4.904107423	14440.39435
854.8	0.409846022	2.446944687	0.248069112	0.1	0.82	0.408867511	4.905642313	14445.29999

855	0.409985197	2.447775619	0.248146831	0.1	0.82	0.408995607	4.907178706	14450.20717
855.2	0.410124416	2.448606813	0.248224625	0.1	0.82	0.409123828	4.908716605	14455.11589
855.4	0.410263679	2.449438271	0.248302496	0.1	0.82	0.409252175	4.910256013	14460.02614
855.6	0.410402987	2.450269993	0.248380444	0.1	0.82	0.409380647	4.911796932	14464.93794
855.8	0.410542339	2.451101978	0.248458468	0.1	0.82	0.409509247	4.913339364	14469.85128
856	0.410681734	2.451934227	0.248536568	0.1	0.82	0.409637972	4.914883312	14474.76616
856.2	0.410821175	2.452766741	0.248614746	0.1	0.82	0.409766824	4.916428779	14479.68259
856.4	0.410960659	2.453599519	0.248693001	0.1	0.82	0.409895803	4.917975767	14484.60057
856.6	0.411100188	2.454432562	0.248771332	0.1	0.82	0.41002491	4.919524278	14489.52009
856.8	0.411239761	2.45526587	0.248849741	0.1	0.82	0.410154143	4.921074315	14494.44117
857	0.411379379	2.456099444	0.248928227	0.1	0.82	0.410283504	4.922625881	14499.36379
857.2	0.411519041	2.456933283	0.249006791	0.1	0.82	0.410412992	4.924178978	14504.28797
857.4	0.411658748	2.457767388	0.249085432	0.1	0.82	0.410542609	4.925733609	14509.21371
857.6	0.411798499	2.458601759	0.249164151	0.1	0.82	0.410672354	4.927289776	14514.141
857.8	0.411938295	2.459436397	0.249242948	0.1	0.82	0.410802227	4.928847481	14519.06984
858	0.412078136	2.460271302	0.249321823	0.1	0.82	0.410932228	4.930406728	14524.00025
858.2	0.412218021	2.461106473	0.249400776	0.1	0.82	0.411062358	4.931967519	14528.93222
858.4	0.412357951	2.461941912	0.249479807	0.1	0.82	0.411192618	4.933529856	14533.86575
858.6	0.412497926	2.462777618	0.249558916	0.1	0.82	0.411323006	4.935093742	14538.80084
858.8	0.412637946	2.463613592	0.249638105	0.1	0.82	0.411453524	4.93665918	14543.7375
859	0.412778011	2.464449835	0.249717371	0.1	0.82	0.411584171	4.938226172	14548.67573
859.2	0.41291812	2.465286345	0.249796717	0.1	0.82	0.411714949	4.939794721	14553.61552
859.4	0.413058275	2.466123124	0.249876141	0.1	0.82	0.411845856	4.941364829	14558.55689
859.6	0.413198474	2.466960172	0.249955645	0.1	0.82	0.411976894	4.942936499	14563.49982
859.8	0.413338719	2.467797489	0.250035227	0.1	0.82	0.412108062	4.944509734	14568.44433
860	0.413479009	2.468635075	0.250114889	0.1	0.82	0.412239361	4.946084536	14573.39042
860.2	0.413619344	2.469472932	0.250194631	0.1	0.82	0.412370791	4.947660908	14578.33808
860.4	0.413759724	2.470311058	0.250274452	0.1	0.82	0.412502351	4.949238852	14583.28732
860.6	0.41390015	2.471149454	0.250354353	0.1	0.82	0.412634044	4.950818372	14588.23813
860.8	0.414040621	2.471988121	0.250434333	0.1	0.82	0.412765868	4.952399469	14593.19053
861	0.414181137	2.472827058	0.250514394	0.1	0.82	0.412897823	4.953982147	14598.14452
861.2	0.414321698	2.473666267	0.250594534	0.1	0.82	0.413029911	4.955566407	14603.10008
861.4	0.414462305	2.474505747	0.250674755	0.1	0.82	0.413162131	4.957152254	14608.05723
861.6	0.414602958	2.475345498	0.250755056	0.1	0.82	0.413294484	4.958739688	14613.01597
861.8	0.414743656	2.476185522	0.250835438	0.1	0.82	0.413426969	4.960328714	14617.9763
862	0.414884399	2.477025817	0.2509159	0.1	0.82	0.413559587	4.961919334	14622.93822
862.2	0.415025188	2.477866385	0.250996443	0.1	0.82	0.413692338	4.96351155	14627.90173
862.4	0.415166023	2.478707226	0.251077068	0.1	0.82	0.413825223	4.965105365	14632.86684
862.6	0.415306904	2.479548339	0.251157773	0.1	0.82	0.413958241	4.966700782	14637.83354
862.8	0.41544783	2.480389726	0.251238559	0.1	0.82	0.414091393	4.968297804	14642.80184
863	0.415588802	2.481231386	0.251319427	0.1	0.82	0.414224679	4.969896433	14647.77173
863.2	0.415729821	2.482073321	0.251400376	0.1	0.82	0.414358099	4.971496672	14652.74323
863.4	0.415870884	2.482915529	0.251481407	0.1	0.82	0.414491654	4.973098523	14657.71633
863.6	0.416011994	2.483758011	0.251562519	0.1	0.82	0.414625344	4.97470199	14662.69103
863.8	0.41615315	2.484600769	0.251643713	0.1	0.82	0.414759169	4.976307075	14667.66734
864	0.416294352	2.485443801	0.25172499	0.1	0.82	0.414893128	4.977913781	14672.64525
864.2	0.4164356	2.486287108	0.251806348	0.1	0.82	0.415027224	4.979522111	14677.62477
864.4	0.416576895	2.487130691	0.251887789	0.1	0.82	0.415161454	4.981132067	14682.60591
864.6	0.416718235	2.48797455	0.251969313	0.1	0.82	0.415295821	4.982743653	14687.58865
864.8	0.416859622	2.488818684	0.252050919	0.1	0.82	0.415430324	4.98435687	14692.57301
865	0.417001054	2.489663095	0.252132607	0.1	0.82	0.415564963	4.985971722	14697.55898
865.2	0.417142534	2.490507783	0.252214379	0.1	0.82	0.415699739	4.987588212	14702.54657
865.4	0.417284059	2.491352747	0.252296233	0.1	0.82	0.415834651	4.989206342	14707.53577

865.6	0.417425631	2.492197989	0.252378171	0.1	0.82	0.415969701	4.990826115	14712.5266
865.8	0.41756725	2.493043508	0.252460192	0.1	0.82	0.416104888	4.992447534	14717.51905
866	0.417708915	2.493889305	0.252542296	0.1	0.82	0.416240212	4.994070602	14722.51312
866.2	0.417850626	2.49473538	0.252624484	0.1	0.82	0.416375674	4.995695321	14727.50881
866.4	0.417992385	2.495581733	0.252706756	0.1	0.82	0.416511275	4.997321695	14732.50613
866.6	0.41813419	2.496428365	0.252789111	0.1	0.82	0.416647013	4.998949726	14737.50508
866.8	0.418276041	2.497275276	0.252871551	0.1	0.82	0.41678289	5.000579417	14742.50566
867	0.418417939	2.498122466	0.252954074	0.1	0.82	0.416918905	5.002210771	14747.50787
867.2	0.418559885	2.498969935	0.253036682	0.1	0.82	0.41705506	5.00384379	14752.51172
867.4	0.418701877	2.499817684	0.253119375	0.1	0.82	0.417191353	5.005478479	14757.5172
867.6	0.418843916	2.500665713	0.253202152	0.1	0.82	0.417327786	5.007114838	14762.52431
867.8	0.418986001	2.501514023	0.253285013	0.1	0.82	0.417464359	5.008752872	14767.53306
868	0.419128134	2.502362613	0.25336796	0.1	0.82	0.417601072	5.010392584	14772.54346
868.2	0.419270314	2.503211484	0.253450992	0.1	0.82	0.417737924	5.012033975	14777.55549
868.4	0.419412541	2.504060636	0.253534108	0.1	0.82	0.417874917	5.01367705	14782.56917
868.6	0.419554815	2.50491007	0.25361731	0.1	0.82	0.418012051	5.01532181	14787.58449
868.8	0.419697137	2.505759786	0.253700598	0.1	0.82	0.418149326	5.01696826	14792.60146
869	0.419839505	2.506609784	0.253783971	0.1	0.82	0.418286741	5.018616401	14797.62007
869.2	0.419981921	2.507460064	0.25386743	0.1	0.82	0.418424298	5.020266237	14802.64034
869.4	0.420124385	2.508310626	0.253950975	0.1	0.82	0.418561997	5.02191777	14807.66226
869.6	0.420266895	2.509161472	0.254034606	0.1	0.82	0.418699837	5.023571004	14812.68583
869.8	0.420409453	2.510012601	0.254118323	0.1	0.82	0.41883782	5.025225941	14817.71106
870	0.420552059	2.510864013	0.254202126	0.1	0.82	0.418975944	5.026882585	14822.73794
870.2	0.420694712	2.51171571	0.254286016	0.1	0.82	0.419114212	5.028540938	14827.76648
870.4	0.420837413	2.51256769	0.254369993	0.1	0.82	0.419252622	5.030201004	14832.79668
870.6	0.420980161	2.513419955	0.254454056	0.1	0.82	0.419391175	5.031862785	14837.82854
870.8	0.421122957	2.514272505	0.254538207	0.1	0.82	0.419529872	5.033526284	14842.86207
871	0.421265801	2.51512534	0.254622444	0.1	0.82	0.419668712	5.035191505	14847.89726
871.2	0.421408693	2.51597846	0.254706769	0.1	0.82	0.419807696	5.036858449	14852.93412
871.4	0.421551632	2.516831865	0.254791181	0.1	0.82	0.419946824	5.038527122	14857.97265
871.6	0.42169462	2.517685557	0.25487568	0.1	0.82	0.420086097	5.040197524	14863.01284
871.8	0.421837655	2.518539535	0.254960268	0.1	0.82	0.420225513	5.04186966	14868.05471
872	0.421980738	2.519393799	0.255044943	0.1	0.82	0.420365075	5.043543532	14873.09826
872.2	0.42212387	2.520248351	0.255129706	0.1	0.82	0.420504782	5.045219143	14878.14348
872.4	0.422267049	2.521103189	0.255214558	0.1	0.82	0.420644634	5.046896497	14883.19037
872.6	0.422410276	2.521958315	0.255299498	0.1	0.82	0.420784632	5.048575597	14888.23895
872.8	0.422553552	2.522813728	0.255384526	0.1	0.82	0.420924776	5.050256445	14893.2892
873	0.422696876	2.52366943	0.255469643	0.1	0.82	0.421065065	5.051939044	14898.34114
873.2	0.422840249	2.52452542	0.255554848	0.1	0.82	0.421205501	5.053623398	14903.39477
873.4	0.422983669	2.525381699	0.255640143	0.1	0.82	0.421346084	5.05530951	14908.45008
873.6	0.423127138	2.526238266	0.255725527	0.1	0.82	0.421486813	5.056997383	14913.50707
873.8	0.423270656	2.527095123	0.255811	0.1	0.82	0.42162769	5.05868702	14918.56576
874	0.423414222	2.527952269	0.255896562	0.1	0.82	0.421768714	5.060378423	14923.62614
874.2	0.423557836	2.528809706	0.255982214	0.1	0.82	0.421909886	5.062071597	14928.68821
874.4	0.423701499	2.529667432	0.256067956	0.1	0.82	0.422051205	5.063766544	14933.75198
874.6	0.423845211	2.530525449	0.256153788	0.1	0.82	0.422192673	5.065463268	14938.81744
874.8	0.423988972	2.531383757	0.256239709	0.1	0.82	0.422334289	5.06716177	14943.8846
875	0.424132781	2.532242356	0.256325721	0.1	0.82	0.422476054	5.068862056	14948.95346
875.2	0.424276639	2.533101246	0.256411823	0.1	0.82	0.422617967	5.070564127	14954.02403
875.4	0.424420546	2.533960428	0.256498016	0.1	0.82	0.42276003	5.072267987	14959.0963
875.6	0.424564502	2.534819902	0.2565843	0.1	0.82	0.422902243	5.073973639	14964.17027
875.8	0.424708507	2.535679668	0.256670674	0.1	0.82	0.423044605	5.075681087	14969.24595
876	0.424852561	2.536539727	0.256757139	0.1	0.82	0.423187117	5.077390333	14974.32334

876.2	0.424996663	2.537400079	0.256843696	0.1	0.82	0.42332978	5.07910138	14979.40244
876.4	0.425140815	2.538260725	0.256930344	0.1	0.82	0.423472593	5.080814233	14984.48326
876.6	0.425285017	2.539121664	0.257017083	0.1	0.82	0.423615556	5.082528893	14989.56579
876.8	0.425429267	2.539982896	0.257103914	0.1	0.82	0.423758671	5.084245365	14994.65003
877	0.425573567	2.540844423	0.257190837	0.1	0.82	0.423901937	5.085963651	14999.736
877.2	0.425717916	2.541706245	0.257277852	0.1	0.82	0.424045355	5.087683754	15004.82368
877.4	0.425862314	2.542568361	0.257364959	0.1	0.82	0.424188925	5.089405679	15009.91308
877.6	0.426006762	2.543430773	0.257452158	0.1	0.82	0.424332647	5.091129428	15015.00421
877.8	0.42615126	2.54429348	0.25753945	0.1	0.82	0.424476521	5.092855004	15020.09707
878	0.426295806	2.545156483	0.257626834	0.1	0.82	0.424620548	5.09458241	15025.19165
878.2	0.426440403	2.546019782	0.257714311	0.1	0.82	0.424764728	5.096311651	15030.28796
878.4	0.426585049	2.546883377	0.257801881	0.1	0.82	0.424909061	5.098042729	15035.38601
878.6	0.426729745	2.547747269	0.257889544	0.1	0.82	0.425053547	5.099775647	15040.48578
878.8	0.426874491	2.548611458	0.257977301	0.1	0.82	0.425198188	5.101510409	15045.58729
879	0.427019286	2.549475945	0.258065151	0.1	0.82	0.425342982	5.103247018	15050.69054
879.2	0.427164131	2.550340729	0.258153095	0.1	0.82	0.425487931	5.104985478	15055.79552
879.4	0.427309026	2.551205812	0.258241132	0.1	0.82	0.425633034	5.106725791	15060.90225
879.6	0.427453972	2.552071192	0.258329264	0.1	0.82	0.425778293	5.108467961	15066.01072
879.8	0.427598967	2.552936872	0.258417489	0.1	0.82	0.425923706	5.110211992	15071.12093
880	0.427744012	2.55380285	0.258505809	0.1	0.82	0.426069275	5.111957886	15076.23289
880.2	0.427889108	2.554669128	0.258594224	0.1	0.82	0.426215	5.113705647	15081.34659
880.4	0.428034253	2.555535705	0.258682733	0.1	0.82	0.42636088	5.115455279	15086.46205
880.6	0.428179449	2.556402583	0.258771337	0.1	0.82	0.426506917	5.117206784	15091.57926
880.8	0.428324695	2.55726976	0.258860036	0.1	0.82	0.426653111	5.118960166	15096.69822
881	0.428469992	2.558137239	0.25894883	0.1	0.82	0.426799461	5.120715429	15101.81893
881.2	0.428615339	2.559005018	0.259037719	0.1	0.82	0.426945968	5.122472576	15106.9414
881.4	0.428760736	2.559873098	0.259126704	0.1	0.82	0.427092633	5.12423161	15112.06564
881.6	0.428906184	2.56074148	0.259215784	0.1	0.82	0.427239456	5.125992535	15117.19163
881.8	0.429051682	2.561610164	0.259304961	0.1	0.82	0.427386436	5.127755354	15122.31938
882	0.429197231	2.562479151	0.259394233	0.1	0.82	0.427533575	5.12952007	15127.4489
882.2	0.429342831	2.56334844	0.259483602	0.1	0.82	0.427680873	5.131286688	15132.58019
882.4	0.429488482	2.564218031	0.259573067	0.1	0.82	0.427828329	5.13305521	15137.71325
882.6	0.429634183	2.565087926	0.259662629	0.1	0.82	0.427975944	5.13482564	15142.84807
882.8	0.429779935	2.565958125	0.259752287	0.1	0.82	0.428123719	5.136597981	15147.98467
883	0.429925738	2.566828628	0.259842042	0.1	0.82	0.428271654	5.138372237	15153.12304
883.2	0.430071592	2.567699434	0.259931894	0.1	0.82	0.428419748	5.140148411	15158.26319
883.4	0.430217497	2.568570546	0.260021844	0.1	0.82	0.428568003	5.141926507	15163.40512
883.6	0.430363453	2.569441962	0.260111891	0.1	0.82	0.428716418	5.143706528	15168.54882
883.8	0.430509461	2.570313683	0.260202035	0.1	0.82	0.428864995	5.145488478	15173.69431
884	0.430655519	2.57118571	0.260292278	0.1	0.82	0.429013732	5.14727236	15178.84158
884.2	0.430801629	2.572058043	0.260382618	0.1	0.82	0.429162631	5.149058178	15183.99064
884.4	0.43094779	2.572930683	0.260473056	0.1	0.82	0.429311692	5.150845936	15189.14149
884.6	0.431094002	2.573803629	0.260563593	0.1	0.82	0.429460914	5.152635636	15194.29412
884.8	0.431240266	2.574676881	0.260654229	0.1	0.82	0.429610299	5.154427283	15199.44855
885	0.431386581	2.575550441	0.260744962	0.1	0.82	0.429759847	5.15622088	15204.60477
885.2	0.431532947	2.576424309	0.260835795	0.1	0.82	0.429909558	5.15801643	15209.76279
885.4	0.431679366	2.577298484	0.260926727	0.1	0.82	0.430059432	5.159813938	15214.9226
885.6	0.431825836	2.578172968	0.261017758	0.1	0.82	0.430209469	5.161613406	15220.08422
885.8	0.431972357	2.579047761	0.261108889	0.1	0.82	0.430359671	5.163414838	15225.24763
886	0.43211893	2.579922862	0.261200119	0.1	0.82	0.430510036	5.165218239	15230.41285
886.2	0.432265556	2.580798273	0.261291449	0.1	0.82	0.430660566	5.167023611	15235.57987
886.4	0.432412233	2.581673993	0.261382879	0.1	0.82	0.430811261	5.168830958	15240.7487
886.6	0.432558961	2.582550024	0.261474409	0.1	0.82	0.43096212	5.170640284	15245.91934

886.8	0.432705742	2.583426364	0.261566039	0.1	0.82	0.431113145	5.172451593	15251.09179
887	0.432852575	2.584303016	0.26165777	0.1	0.82	0.431264336	5.174264887	15256.26606
887.2	0.43299946	2.585179978	0.261749601	0.1	0.82	0.431415693	5.176080172	15261.44214
887.4	0.433146398	2.586057252	0.261841534	0.1	0.82	0.431567216	5.17789745	15266.62004
887.6	0.433293387	2.586934837	0.261933567	0.1	0.82	0.431718905	5.179716724	15271.79975
887.8	0.433440429	2.587812735	0.262025702	0.1	0.82	0.431870762	5.181538	15276.98129
888	0.433587523	2.588690944	0.262117938	0.1	0.82	0.432022785	5.18336128	15282.16465
888.2	0.433734669	2.589569467	0.262210276	0.1	0.82	0.432174976	5.185186569	15287.34984
888.4	0.433881868	2.590448303	0.262302715	0.1	0.82	0.432327335	5.187013869	15292.53685
888.6	0.434029119	2.591327452	0.262395257	0.1	0.82	0.432479862	5.188843185	15297.7257
888.8	0.434176423	2.592206915	0.262487901	0.1	0.82	0.432632558	5.190674521	15302.91637
889	0.434323779	2.593086692	0.262580647	0.1	0.82	0.432785422	5.192507879	15308.10888
889.2	0.434471189	2.593966784	0.262673496	0.1	0.82	0.432938455	5.194343265	15313.30322
889.4	0.43461865	2.59484719	0.262766447	0.1	0.82	0.433091658	5.196180681	15318.4994
889.6	0.434766165	2.595727912	0.262859502	0.1	0.82	0.433245031	5.198020132	15323.69742
889.8	0.434913733	2.596608949	0.262952659	0.1	0.82	0.433398573	5.199861621	15328.89729
890	0.435061353	2.597490302	0.26304592	0.1	0.82	0.433552286	5.201705152	15334.09899
890.2	0.435209027	2.598371972	0.263139285	0.1	0.82	0.433706169	5.203550729	15339.30254
890.4	0.435356753	2.599253958	0.263232753	0.1	0.82	0.433860223	5.205398355	15344.50794
890.6	0.435504533	2.600136261	0.263326325	0.1	0.82	0.434014449	5.207248035	15349.71519
890.8	0.435652365	2.601018881	0.263420001	0.1	0.82	0.434168846	5.209099772	15354.92429
891	0.435800251	2.60190182	0.263513782	0.1	0.82	0.434323415	5.210953571	15360.13524
891.2	0.43594819	2.602785076	0.263607667	0.1	0.82	0.434478157	5.212809435	15365.34805
891.4	0.436096183	2.60366865	0.263701657	0.1	0.82	0.434633071	5.214667367	15370.56272
891.6	0.436244229	2.604552543	0.263795752	0.1	0.82	0.434788158	5.216527372	15375.77924
891.8	0.436392328	2.605436756	0.263889951	0.1	0.82	0.434943418	5.218389454	15380.99763
892	0.436540481	2.606321288	0.263984256	0.1	0.82	0.435098852	5.220253617	15386.21789
892.2	0.436688687	2.60720614	0.264078667	0.1	0.82	0.435254459	5.222119864	15391.44001
892.4	0.436836948	2.608091312	0.264173183	0.1	0.82	0.435410241	5.223988199	15396.664
892.6	0.436985261	2.608976804	0.264267806	0.1	0.82	0.435566197	5.225858627	15401.88985
892.8	0.437133629	2.609862618	0.264362534	0.1	0.82	0.435722328	5.227731151	15407.11759
893	0.43728205	2.610748752	0.264457368	0.1	0.82	0.435878634	5.229605775	15412.34719
893.2	0.437430525	2.611635209	0.264552309	0.1	0.82	0.436035116	5.231482504	15417.57867
893.4	0.437579055	2.612521987	0.264647357	0.1	0.82	0.436191774	5.233361341	15422.81204
893.6	0.437727638	2.613409088	0.264742512	0.1	0.82	0.436348608	5.235242289	15428.04728
893.8	0.437876275	2.614296512	0.264837773	0.1	0.82	0.436505618	5.237125354	15433.2844
894	0.438024966	2.615184259	0.264933142	0.1	0.82	0.436662805	5.239010539	15438.52341
894.2	0.438173712	2.616072329	0.265028619	0.1	0.82	0.43682017	5.240897849	15443.76431
894.4	0.438322512	2.616960723	0.265124203	0.1	0.82	0.436977711	5.242787286	15449.0071
894.6	0.438471366	2.617849442	0.265219895	0.1	0.82	0.437135431	5.244678856	15454.25178
894.8	0.438620274	2.618738485	0.265315695	0.1	0.82	0.437293329	5.246572562	15459.49835
895	0.438769237	2.619627853	0.265411604	0.1	0.82	0.437451406	5.248468408	15464.74682
895.2	0.438918254	2.620517546	0.265507621	0.1	0.82	0.437609661	5.250366398	15469.99718
895.4	0.439067326	2.621407565	0.265603747	0.1	0.82	0.437768095	5.252266537	15475.24945
895.6	0.439216453	2.62229791	0.265699981	0.1	0.82	0.437926709	5.254168829	15480.50362
895.8	0.439365634	2.623188582	0.265796325	0.1	0.82	0.438085503	5.256073277	15485.75969
896	0.43951487	2.62407958	0.265892779	0.1	0.82	0.438244478	5.257979886	15491.01767
896.2	0.439664161	2.624970906	0.265989341	0.1	0.82	0.438403632	5.25988866	15496.27756
896.4	0.439813507	2.625862559	0.266086014	0.1	0.82	0.438562968	5.261799603	15501.53936
896.6	0.439962907	2.626754541	0.266182796	0.1	0.82	0.438722485	5.263712719	15506.80307
896.8	0.440112363	2.62764685	0.266279689	0.1	0.82	0.438882184	5.265628013	15512.0687
897	0.440261873	2.628539489	0.266376692	0.1	0.82	0.439042064	5.267545488	15517.33625
897.2	0.440411439	2.629432456	0.266473806	0.1	0.82	0.439202127	5.269465148	15522.60571

897.4	0.44056106	2.630325753	0.266571031	0.1	0.82	0.439362373	5.271386999	15527.8771
897.6	0.440710736	2.63121938	0.266668366	0.1	0.82	0.439522801	5.273311044	15533.15041
897.8	0.440860468	2.632113337	0.266765813	0.1	0.82	0.439683413	5.275237286	15538.42565
898	0.441010255	2.633007625	0.266863371	0.1	0.82	0.439844209	5.277165732	15543.70281
898.2	0.441160097	2.633902244	0.266961041	0.1	0.82	0.440005188	5.279096384	15548.98191
898.4	0.441309995	2.634797194	0.267058823	0.1	0.82	0.440166353	5.281029247	15554.26294
898.6	0.441459948	2.635692476	0.267156717	0.1	0.82	0.440327702	5.282964325	15559.5459
898.8	0.441609957	2.63658809	0.267254724	0.1	0.82	0.440489236	5.284901623	15564.83081
899	0.441760022	2.637484037	0.267352843	0.1	0.82	0.440650955	5.286841144	15570.11765
899.2	0.441910143	2.638380316	0.267451074	0.1	0.82	0.440812861	5.288782894	15575.40643
899.4	0.442060319	2.639276929	0.267549419	0.1	0.82	0.440974952	5.290726876	15580.69716
899.6	0.442210551	2.640173876	0.267647877	0.1	0.82	0.44113723	5.292673095	15585.98983
899.8	0.44236084	2.641071157	0.267746448	0.1	0.82	0.441299695	5.294621555	15591.28445
900	0.442511184	2.641968772	0.267845133	0.1	0.82	0.441462348	5.29657226	15596.58102
900.2	0.442661584	2.642866722	0.267943932	0.1	0.82	0.441625188	5.298525215	15601.87955
900.4	0.442812041	2.643765008	0.268042844	0.1	0.82	0.441788216	5.300480424	15607.18003
900.6	0.442962553	2.644663629	0.268141871	0.1	0.82	0.441951432	5.302437891	15612.48247
900.8	0.443113122	2.645562586	0.268241013	0.1	0.82	0.442114838	5.304397621	15617.78686
901	0.443263748	2.64646188	0.268340269	0.1	0.82	0.442278432	5.306359619	15623.09322
901.2	0.44341443	2.64736151	0.268439641	0.1	0.82	0.442442216	5.308323888	15628.40155
901.4	0.443565168	2.648261478	0.268539127	0.1	0.82	0.44260619	5.310290433	15633.71184
901.6	0.443715963	2.649161783	0.268638729	0.1	0.82	0.442770354	5.312259259	15639.0241
901.8	0.443866814	2.650062427	0.268738447	0.1	0.82	0.442934708	5.31423037	15644.33833
902	0.444017722	2.650963408	0.26883828	0.1	0.82	0.443099254	5.31620377	15649.65453
902.2	0.444168687	2.651864729	0.26893823	0.1	0.82	0.44326399	5.318179464	15654.97271
902.4	0.444319709	2.652766389	0.269038296	0.1	0.82	0.443428919	5.320157456	15660.29287
902.6	0.444470787	2.653668389	0.269138478	0.1	0.82	0.44359404	5.322137751	15665.61501
902.8	0.444621923	2.654570728	0.269238777	0.1	0.82	0.443759353	5.324120354	15670.93913
903	0.444773115	2.655473408	0.269339193	0.1	0.82	0.443924859	5.326105269	15676.26523
903.2	0.444924365	2.656376429	0.269439727	0.1	0.82	0.444090558	5.3280925	15681.59332
903.4	0.445075672	2.657279791	0.269540378	0.1	0.82	0.444256451	5.330082052	15686.92341
903.6	0.445227036	2.658183495	0.269641146	0.1	0.82	0.444422537	5.332073929	15692.25548
903.8	0.445378457	2.65908754	0.269742033	0.1	0.82	0.444588819	5.334068137	15697.58955
904	0.445529936	2.659991929	0.269843038	0.1	0.82	0.444755295	5.336064679	15702.92561
904.2	0.445681472	2.66089666	0.269944161	0.1	0.82	0.444921966	5.338063561	15708.26368
904.4	0.445833065	2.661801734	0.270045402	0.1	0.82	0.445088832	5.340064786	15713.60374
904.6	0.445984717	2.662707152	0.270146763	0.1	0.82	0.445255895	5.34206836	15718.94581
904.8	0.446136425	2.663612914	0.270248243	0.1	0.82	0.445423153	5.344074287	15724.28988
905	0.446288192	2.664519021	0.270349841	0.1	0.82	0.445590609	5.346082572	15729.63597
905.2	0.446440016	2.665425472	0.27045156	0.1	0.82	0.445758261	5.34809322	15734.98406
905.4	0.446591898	2.666332269	0.270553398	0.1	0.82	0.445926111	5.350106234	15740.33417
905.6	0.446743838	2.667239412	0.270655357	0.1	0.82	0.446094159	5.352121621	15745.68629
905.8	0.446895836	2.6681469	0.270757435	0.1	0.82	0.446262405	5.354139384	15751.04043
906	0.447047892	2.669054735	0.270859635	0.1	0.82	0.44643085	5.356159528	15756.39659
906.2	0.447200006	2.669962918	0.270961954	0.1	0.82	0.446599493	5.358182058	15761.75477
906.4	0.447352179	2.670871447	0.271064395	0.1	0.82	0.446768336	5.360206979	15767.11498
906.6	0.447504409	2.671780324	0.271166958	0.1	0.82	0.446937379	5.362234296	15772.47721
906.8	0.447656698	2.67268955	0.271269641	0.1	0.82	0.447106623	5.364264012	15777.84147
907	0.447809045	2.673599124	0.271372447	0.1	0.82	0.447276066	5.366296134	15783.20777
907.2	0.447961451	2.674509047	0.271475374	0.1	0.82	0.447445711	5.368330665	15788.5761
907.4	0.448113915	2.67541932	0.271578423	0.1	0.82	0.447615557	5.370367611	15793.94647
907.6	0.448266438	2.676329943	0.271681595	0.1	0.82	0.447785605	5.372406976	15799.31888
907.8	0.44841902	2.677240916	0.27178489	0.1	0.82	0.447955856	5.374448766	15804.69332

908	0.44857166	2.678152239	0.271888308	0.1	0.82	0.448126309	5.376492985	15810.06982
908.2	0.448724359	2.679063914	0.271991848	0.1	0.82	0.448296964	5.378539638	15815.44836
908.4	0.448877117	2.67997594	0.272095513	0.1	0.82	0.448467824	5.380588729	15820.82895
908.6	0.449029934	2.680888319	0.2721993	0.1	0.82	0.448638887	5.382640264	15826.21159
908.8	0.44918281	2.681801049	0.272303212	0.1	0.82	0.448810154	5.384694248	15831.59628
909	0.449335745	2.682714133	0.272407248	0.1	0.82	0.448981627	5.386750686	15836.98303
909.2	0.449488739	2.68362757	0.272511409	0.1	0.82	0.449153304	5.388809582	15842.37184
909.4	0.449641793	2.68454136	0.272615694	0.1	0.82	0.449325186	5.390870941	15847.76271
909.6	0.449794906	2.685455505	0.272720104	0.1	0.82	0.449497275	5.392934769	15853.15565
909.8	0.449948078	2.686370004	0.272824639	0.1	0.82	0.44966957	5.39500107	15858.55065
910	0.45010131	2.687284859	0.2729293	0.1	0.82	0.449842072	5.397069849	15863.94772
910.2	0.450254601	2.688200068	0.273034086	0.1	0.82	0.45001478	5.399141112	15869.34686
910.4	0.450407952	2.689115634	0.273138998	0.1	0.82	0.450187697	5.401214862	15874.74807
910.6	0.450561362	2.690031556	0.273244037	0.1	0.82	0.450360821	5.403291107	15880.15136
910.8	0.450714832	2.690947834	0.273349201	0.1	0.82	0.450534154	5.40536985	15885.55673
911	0.450868362	2.69186447	0.273454493	0.1	0.82	0.450707695	5.407451096	15890.96419
911.2	0.451021952	2.692781463	0.273559912	0.1	0.82	0.450881446	5.40953485	15896.37372
911.4	0.451175602	2.693698815	0.273665457	0.1	0.82	0.451055407	5.411621119	15901.78534
911.6	0.451329312	2.694616525	0.273771131	0.1	0.82	0.451229577	5.413709906	15907.19905
911.8	0.451483082	2.695534593	0.273876932	0.1	0.82	0.451403959	5.415801217	15912.61485
912	0.451636912	2.696453021	0.273982861	0.1	0.82	0.451578551	5.417895056	15918.03275
912.2	0.451790803	2.697371809	0.274088918	0.1	0.82	0.451753354	5.41999143	15923.45274
912.4	0.451944754	2.698290957	0.274195104	0.1	0.82	0.45192837	5.422090344	15928.87483
912.6	0.452098765	2.699210466	0.274301418	0.1	0.82	0.452103597	5.424191801	15934.29902
912.8	0.452252837	2.700130336	0.274407862	0.1	0.82	0.452279038	5.426295808	15939.72532
913	0.452406969	2.701050568	0.274514434	0.1	0.82	0.452454691	5.42840237	15945.15372
913.2	0.452561162	2.701971161	0.274621137	0.1	0.82	0.452630558	5.430511492	15950.58423
913.4	0.452715416	2.702892117	0.274727969	0.1	0.82	0.452806639	5.43262318	15956.01685
913.6	0.45286973	2.703813436	0.274834932	0.1	0.82	0.452982934	5.434737438	15961.45159
913.8	0.453024105	2.704735118	0.274942024	0.1	0.82	0.453159444	5.436854271	15966.88845
914	0.453178541	2.705657164	0.275049248	0.1	0.82	0.45333617	5.438973686	15972.32742
914.2	0.453333039	2.706579574	0.275156602	0.1	0.82	0.453513111	5.441095687	15977.76852
914.4	0.453487597	2.707502349	0.275264087	0.1	0.82	0.453690269	5.44322028	15983.21174
914.6	0.453642216	2.708425489	0.275371704	0.1	0.82	0.453867643	5.445347469	15988.65708
914.8	0.453796897	2.709348995	0.275479453	0.1	0.82	0.454045234	5.447477261	15994.10456
915	0.453951639	2.710272866	0.275587333	0.1	0.82	0.454223043	5.449609661	15999.55417
915.2	0.454106443	2.711197104	0.275695346	0.1	0.82	0.454401069	5.451744673	16005.00591
915.4	0.454261307	2.71212171	0.275803491	0.1	0.82	0.454579315	5.453882305	16010.4598
915.6	0.454416234	2.713046682	0.27591177	0.1	0.82	0.454757779	5.456022559	16015.91582
915.8	0.454571222	2.713972022	0.276020181	0.1	0.82	0.454936462	5.458165444	16021.37398
916	0.454726271	2.714897731	0.276128725	0.1	0.82	0.455115365	5.460310962	16026.8343
916.2	0.454881383	2.715823809	0.276237404	0.1	0.82	0.455294488	5.462459121	16032.29675
916.4	0.455036556	2.716750255	0.276346216	0.1	0.82	0.455473833	5.464609926	16037.76136
916.6	0.455191792	2.717677072	0.276455162	0.1	0.82	0.455653398	5.466763382	16043.22813
916.8	0.455347089	2.718604259	0.276564243	0.1	0.82	0.455833185	5.468919494	16048.69705
917	0.455502448	2.719531816	0.276673458	0.1	0.82	0.456013193	5.471078268	16054.16813
917.2	0.45565787	2.720459744	0.276782808	0.1	0.82	0.456193425	5.47323971	16059.64137
917.4	0.455813353	2.721388044	0.276892294	0.1	0.82	0.456373879	5.475403825	16065.11677
917.6	0.455968899	2.722316716	0.277001916	0.1	0.82	0.456554557	5.477570618	16070.59434
917.8	0.456124508	2.723245761	0.277111673	0.1	0.82	0.456735459	5.479740096	16076.07408
918	0.456280179	2.724175178	0.277221566	0.1	0.82	0.456916585	5.481912264	16081.55599
918.2	0.456435912	2.725104969	0.277331596	0.1	0.82	0.457097936	5.484087127	16087.04008
918.4	0.456591708	2.726035134	0.277441762	0.1	0.82	0.457279513	5.486264692	16092.52634

918.6	0.456747567	2.726965673	0.277552066	0.1	0.82	0.457461315	5.488444963	16098.01479
918.8	0.456903488	2.727896587	0.277662506	0.1	0.82	0.457643343	5.490627947	16103.50542
919	0.457059473	2.728827876	0.277773085	0.1	0.82	0.457825598	5.492813648	16108.99823
919.2	0.45721552	2.729759541	0.277883801	0.1	0.82	0.458008081	5.495002074	16114.49323
919.4	0.45737163	2.730691583	0.277994655	0.1	0.82	0.458190791	5.497193228	16119.99043
919.6	0.457527804	2.731624001	0.278105648	0.1	0.82	0.458373729	5.499387119	16125.48981
919.8	0.457684041	2.732556796	0.278216779	0.1	0.82	0.458556896	5.50158375	16130.9914
920	0.45784034	2.733489969	0.27832805	0.1	0.82	0.458740292	5.503783127	16136.49518
920.2	0.457996704	2.73442352	0.27843946	0.1	0.82	0.458923918	5.505985258	16142.00117
920.4	0.45815313	2.73535745	0.278551009	0.1	0.82	0.459107773	5.508190146	16147.50936
920.6	0.458309621	2.736291759	0.278662699	0.1	0.82	0.45929186	5.510397799	16153.01975
920.8	0.458466174	2.737226447	0.278774528	0.1	0.82	0.459476177	5.512608221	16158.53236
921	0.458622792	2.738161516	0.278886498	0.1	0.82	0.459660726	5.514821419	16164.04718
921.2	0.458779473	2.739096965	0.278998609	0.1	0.82	0.459845507	5.517037399	16169.56422
921.4	0.458936218	2.740032796	0.279110861	0.1	0.82	0.460030521	5.519256167	16175.08348
921.6	0.459093027	2.740969007	0.279223254	0.1	0.82	0.460215767	5.521477727	16180.60495
921.8	0.4592499	2.741905601	0.279335789	0.1	0.82	0.460401247	5.523702088	16186.12866
922	0.459406837	2.742842578	0.279448466	0.1	0.82	0.460586961	5.525929253	16191.65459
922.2	0.459563838	2.743779937	0.279561285	0.1	0.82	0.46077291	5.528159229	16197.18274
922.4	0.459720903	2.74471768	0.279674247	0.1	0.82	0.460959094	5.530392023	16202.71314
922.6	0.459878033	2.745655807	0.279787352	0.1	0.82	0.461145513	5.53262764	16208.24576
922.8	0.460035227	2.746594319	0.279900599	0.1	0.82	0.461332168	5.534866086	16213.78063
923	0.460192485	2.747533215	0.280013991	0.1	0.82	0.46151906	5.537107367	16219.31774
923.2	0.460349809	2.748472497	0.280127526	0.1	0.82	0.461706188	5.53935149	16224.85709
923.4	0.460507196	2.749412165	0.280241205	0.1	0.82	0.461893555	5.541598459	16230.39869
923.6	0.460664649	2.750352219	0.280355029	0.1	0.82	0.462081159	5.543848282	16235.94254
923.8	0.460822166	2.75129266	0.280468998	0.1	0.82	0.462269002	5.546100965	16241.48864
924	0.460979748	2.752233489	0.280583111	0.1	0.82	0.462457084	5.548356513	16247.03699
924.2	0.461137395	2.753174706	0.28069737	0.1	0.82	0.462645405	5.550614932	16252.58761
924.4	0.461295108	2.754116311	0.280811774	0.1	0.82	0.462833967	5.55287623	16258.14048
924.6	0.461452885	2.755058305	0.280926325	0.1	0.82	0.463022769	5.555140411	16263.69563
924.8	0.461610728	2.756000689	0.281041022	0.1	0.82	0.463211812	5.557407483	16269.25303
925	0.461768636	2.756943463	0.281155865	0.1	0.82	0.463401097	5.559677451	16274.81271
925.2	0.461926609	2.757886627	0.281270855	0.1	0.82	0.463590624	5.561950322	16280.37466
925.4	0.462084648	2.758830182	0.281385993	0.1	0.82	0.463780393	5.564226101	16285.93889
925.6	0.462242752	2.759774128	0.281501278	0.1	0.82	0.463970406	5.566504796	16291.50539
925.8	0.462400922	2.760718467	0.281616711	0.1	0.82	0.464160663	5.568786412	16297.07418
926	0.462559158	2.761663198	0.281732292	0.1	0.82	0.464351163	5.571070956	16302.64525
926.2	0.46271746	2.762608322	0.281848021	0.1	0.82	0.464541909	5.573358433	16308.21861
926.4	0.462875827	2.76355384	0.2819639	0.1	0.82	0.4647329	5.575648852	16313.79426
926.6	0.463034261	2.764499752	0.282079927	0.1	0.82	0.464924136	5.577942216	16319.3722
926.8	0.463192761	2.765446058	0.282196104	0.1	0.82	0.465115619	5.580238534	16324.95244
927	0.463351326	2.766392759	0.282312431	0.1	0.82	0.465307349	5.582537812	16330.53497
927.2	0.463509958	2.767339856	0.282428908	0.1	0.82	0.465499327	5.584840055	16336.11981
927.4	0.463668657	2.768287349	0.282545536	0.1	0.82	0.465691552	5.587145271	16341.70696
927.6	0.463827422	2.769235239	0.282662314	0.1	0.82	0.465884026	5.589453465	16347.29641
927.8	0.463986253	2.770183526	0.282779243	0.1	0.82	0.466076748	5.591764645	16352.88818
928	0.464145151	2.77113221	0.282896324	0.1	0.82	0.466269721	5.594078816	16358.48226
928.2	0.464304116	2.772081293	0.283013556	0.1	0.82	0.466462943	5.596395986	16364.07865
928.4	0.464463147	2.773030774	0.283130941	0.1	0.82	0.466656417	5.59871616	16369.67737
928.6	0.464622246	2.773980655	0.283248478	0.1	0.82	0.466850141	5.601039346	16375.27841
928.8	0.464781411	2.774930935	0.283366167	0.1	0.82	0.467044117	5.60336555	16380.88177
929	0.464940643	2.775881616	0.28348401	0.1	0.82	0.467238346	5.605694778	16386.48747

929.2	0.465099943	2.776832698	0.283602007	0.1	0.82	0.467432827	5.608027037	16392.0955
929.4	0.465259309	2.77778418	0.283720156	0.1	0.82	0.467627562	5.610362334	16397.70586
929.6	0.465418743	2.778736065	0.283838461	0.1	0.82	0.467822551	5.612700676	16403.31856
929.8	0.465578245	2.779688352	0.283956919	0.1	0.82	0.468017794	5.615042068	16408.9336
930	0.465737814	2.780641042	0.284075532	0.1	0.82	0.468213292	5.617386519	16414.55099
930.2	0.46589745	2.781594136	0.284194301	0.1	0.82	0.468409047	5.619734034	16420.17072
930.4	0.466057154	2.782547634	0.284313225	0.1	0.82	0.468605057	5.62208462	16425.79281
930.6	0.466216926	2.783501536	0.284432304	0.1	0.82	0.468801324	5.624438284	16431.41724
930.8	0.466376766	2.784455843	0.28455154	0.1	0.82	0.468997848	5.626795033	16437.04404
931	0.466536674	2.785410556	0.284670932	0.1	0.82	0.469194631	5.629154874	16442.67319
931.2	0.466696649	2.786365675	0.284790481	0.1	0.82	0.469391671	5.631517813	16448.30471
931.4	0.466856693	2.787321201	0.284910188	0.1	0.82	0.469588971	5.633883857	16453.9386
931.6	0.467016805	2.788277134	0.285030051	0.1	0.82	0.469786531	5.636253013	16459.57485
931.8	0.467176986	2.789233474	0.285150073	0.1	0.82	0.469984351	5.638625288	16465.21347
932	0.467337234	2.790190223	0.285270253	0.1	0.82	0.470182431	5.64100069	16470.85447
932.2	0.467497551	2.791147381	0.285390591	0.1	0.82	0.470380773	5.643379224	16476.49785
932.4	0.467657937	2.792104949	0.285511089	0.1	0.82	0.470579377	5.645760897	16482.14361
932.6	0.467818392	2.793062926	0.285631746	0.1	0.82	0.470778243	5.648145718	16487.79176
932.8	0.467978915	2.794021314	0.285752562	0.1	0.82	0.470977372	5.650533692	16493.44229
933	0.468139507	2.794980113	0.285873538	0.1	0.82	0.471176765	5.652924827	16499.09522
933.2	0.468300168	2.795939324	0.285994675	0.1	0.82	0.471376423	5.65531913	16504.75054
933.4	0.468460898	2.796898946	0.286115972	0.1	0.82	0.471576345	5.657716607	16510.40825
933.6	0.468621697	2.797858982	0.28623743	0.1	0.82	0.471776533	5.660117267	16516.06837
933.8	0.468782566	2.798819431	0.28635905	0.1	0.82	0.471976986	5.662521116	16521.73089
934	0.468943504	2.799780293	0.286480832	0.1	0.82	0.472177707	5.66492816	16527.39582
934.2	0.469104511	2.80074157	0.286602775	0.1	0.82	0.472378695	5.667338408	16533.06316
934.4	0.469265587	2.801703262	0.286724882	0.1	0.82	0.47257995	5.669751867	16538.73291
934.6	0.469426734	2.80266537	0.286847151	0.1	0.82	0.472781474	5.672168543	16544.40508
934.8	0.469587949	2.803627894	0.286969583	0.1	0.82	0.472983267	5.674588444	16550.07967
935	0.469749235	2.804590834	0.287092179	0.1	0.82	0.473185329	5.677011577	16555.75668
935.2	0.469910591	2.805554191	0.287214939	0.1	0.82	0.473387662	5.67943795	16561.43612
935.4	0.470072016	2.806517967	0.287337863	0.1	0.82	0.473590266	5.681867569	16567.11799
935.6	0.470233512	2.80748216	0.287460952	0.1	0.82	0.473793141	5.684300442	16572.80229
935.8	0.470395078	2.808446773	0.287584206	0.1	0.82	0.473996288	5.686736577	16578.48902
936	0.470556714	2.809411805	0.287707625	0.1	0.82	0.474199708	5.68917598	16584.1782
936.2	0.47071842	2.810377257	0.287831211	0.1	0.82	0.474403402	5.691618659	16589.86982
936.4	0.470880197	2.81134313	0.287954962	0.1	0.82	0.474607369	5.694064621	16595.56388
936.6	0.471042045	2.812309424	0.28807888	0.1	0.82	0.47481161	5.696513875	16601.2604
936.8	0.471203963	2.81327614	0.288202965	0.1	0.82	0.475016127	5.698966427	16606.95936
937	0.471365952	2.814243278	0.288327218	0.1	0.82	0.47522092	5.701422284	16612.66078
937.2	0.471528011	2.815210839	0.288451638	0.1	0.82	0.475425989	5.703881455	16618.36467
937.4	0.471690142	2.816178823	0.288576226	0.1	0.82	0.475631335	5.706343946	16624.07101
937.6	0.471852344	2.817147232	0.288700982	0.1	0.82	0.475836959	5.708809766	16629.77982
937.8	0.472014616	2.818116065	0.288825908	0.1	0.82	0.476042861	5.711278922	16635.4911
938	0.47217696	2.819085324	0.288951002	0.1	0.82	0.476249042	5.713751421	16641.20485
938.2	0.472339376	2.820055008	0.289076267	0.1	0.82	0.476455503	5.716227271	16646.92108
938.4	0.472501862	2.821025119	0.289201701	0.1	0.82	0.476662244	5.71870648	16652.63978
938.6	0.472664421	2.821995657	0.289327306	0.1	0.82	0.476869266	5.721189056	16658.36097
938.8	0.47282705	2.822966622	0.289453081	0.1	0.82	0.477076569	5.723675005	16664.08465
939	0.472989752	2.823938016	0.289579028	0.1	0.82	0.477284154	5.726164337	16669.81081
939.2	0.473152525	2.824909838	0.289705146	0.1	0.82	0.477492022	5.728657057	16675.53947
939.4	0.473315371	2.82588209	0.289831437	0.1	0.82	0.477700174	5.731153176	16681.27062
939.6	0.473478288	2.826854772	0.289957899	0.1	0.82	0.477908609	5.733652699	16687.00428

939.8	0.473641278	2.827827884	0.290084534	0.1	0.82	0.47811733	5.736155635	16692.74043
940	0.473804339	2.828801428	0.290211343	0.1	0.82	0.478326336	5.738661992	16698.47909
940.2	0.473967473	2.829775403	0.290338325	0.1	0.82	0.478535627	5.741171777	16704.22026
940.4	0.47413068	2.830749811	0.290465481	0.1	0.82	0.478745206	5.743684999	16709.96395
940.6	0.474293959	2.831724651	0.290592811	0.1	0.82	0.478955072	5.746201665	16715.71015
940.8	0.47445731	2.832699925	0.290720316	0.1	0.82	0.479165226	5.748721784	16721.45887
941	0.474620735	2.833675634	0.290847997	0.1	0.82	0.479375668	5.751245363	16727.21012
941.2	0.474784232	2.834651777	0.290975853	0.1	0.82	0.4795864	5.75377241	16732.96389
941.4	0.474947802	2.835628355	0.291103884	0.1	0.82	0.479797422	5.756302934	16738.72019
941.6	0.475111445	2.83660537	0.291232092	0.1	0.82	0.480008735	5.758836942	16744.47903
941.8	0.475275161	2.837582821	0.291360477	0.1	0.82	0.480220339	5.761374442	16750.24041
942	0.47543895	2.838560709	0.29148904	0.1	0.82	0.480432235	5.763915443	16756.00432
942.2	0.475602813	2.839539035	0.291617779	0.1	0.82	0.480644424	5.766459953	16761.77078
942.4	0.475766749	2.8405178	0.291746697	0.1	0.82	0.480856906	5.769007979	16767.53979
942.6	0.475930759	2.841497003	0.291875793	0.1	0.82	0.481069682	5.77155953	16773.31135
942.8	0.476094842	2.842476646	0.292005068	0.1	0.82	0.481282753	5.774114615	16779.08546
943	0.476258999	2.84345673	0.292134523	0.1	0.82	0.48149612	5.776673241	16784.86214
943.2	0.47642323	2.844437254	0.292264156	0.1	0.82	0.481709783	5.779235416	16790.64137
943.4	0.476587535	2.84541822	0.292393971	0.1	0.82	0.481923742	5.78180115	16796.42317
943.6	0.476751914	2.846399628	0.292523965	0.1	0.82	0.482137999	5.78437045	16802.20754
943.8	0.476916367	2.847381479	0.292654141	0.1	0.82	0.482352555	5.786943324	16807.99449
944	0.477080895	2.848363773	0.292784498	0.1	0.82	0.482567409	5.789519781	16813.78401
944.2	0.477245496	2.849346512	0.292915036	0.1	0.82	0.482782563	5.79209983	16819.57611
944.4	0.477410173	2.850329695	0.293045757	0.1	0.82	0.482998017	5.794683478	16825.37079
944.6	0.477574923	2.851313323	0.293176661	0.1	0.82	0.483213772	5.797270735	16831.16806
944.8	0.477739749	2.852297397	0.293307747	0.1	0.82	0.483429829	5.799861608	16836.96792
945	0.477904649	2.853281918	0.293439017	0.1	0.82	0.483646189	5.802456107	16842.77038
945.2	0.478069624	2.854266885	0.293570472	0.1	0.82	0.483862851	5.805054239	16848.57543
945.4	0.478234675	2.855252301	0.29370211	0.1	0.82	0.484079818	5.807656013	16854.38309
945.6	0.4783998	2.856238165	0.293833933	0.1	0.82	0.484297089	5.810261439	16860.19335
945.8	0.478565	2.857224478	0.293965942	0.1	0.82	0.484514665	5.812870524	16866.00622
946	0.478730276	2.858211241	0.294098136	0.1	0.82	0.484732548	5.815483277	16871.8217
946.2	0.478895628	2.859198455	0.294230516	0.1	0.82	0.484950737	5.818099706	16877.6398
946.4	0.479061054	2.860186119	0.294363083	0.1	0.82	0.485169233	5.820719822	16883.46052
946.6	0.479226557	2.861174235	0.294495837	0.1	0.82	0.485388038	5.823343631	16889.28387
946.8	0.479392135	2.862162803	0.294628778	0.1	0.82	0.485607152	5.825971144	16895.10984
947	0.479557789	2.863151824	0.294761907	0.1	0.82	0.485826576	5.828602368	16900.93844
947.2	0.479723519	2.864141299	0.294895225	0.1	0.82	0.48604631	5.831237313	16906.76968
947.4	0.479889325	2.865131228	0.295028731	0.1	0.82	0.486266355	5.833875988	16912.60355
947.6	0.480055208	2.866121612	0.295162427	0.1	0.82	0.486486712	5.8365184	16918.44007
947.8	0.480221166	2.867112452	0.295296312	0.1	0.82	0.486707382	5.83916456	16924.27924
948	0.480387201	2.868103748	0.295430387	0.1	0.82	0.486928365	5.841814477	16930.12105
948.2	0.480553313	2.8690955	0.295564653	0.1	0.82	0.487149662	5.844468158	16935.96552
948.4	0.480719501	2.870087711	0.29569911	0.1	0.82	0.487371274	5.847125613	16941.81264
948.6	0.480885766	2.871080379	0.295833759	0.1	0.82	0.487593202	5.849786852	16947.66243
948.8	0.481052108	2.872073506	0.295968599	0.1	0.82	0.487815446	5.852451883	16953.51488
949	0.481218527	2.873067093	0.296103632	0.1	0.82	0.488038007	5.855120715	16959.37
949.2	0.481385023	2.87406114	0.296238858	0.1	0.82	0.488260886	5.857793358	16965.2278
949.4	0.481551596	2.875055648	0.296374277	0.1	0.82	0.488484084	5.86046982	16971.08827
949.6	0.481718246	2.876050617	0.29650989	0.1	0.82	0.488707601	5.863150112	16976.95142
949.8	0.481884974	2.877046049	0.296645698	0.1	0.82	0.488931439	5.865834241	16982.81725
950	0.482051779	2.878041943	0.2967817	0.1	0.82	0.489155597	5.868522217	16988.68577
950.2	0.482218662	2.879038301	0.296917897	0.1	0.82	0.489380078	5.87121405	16994.55699

950.4	0.482385623	2.880035124	0.29705429	0.1	0.82	0.48960488	5.873909749	17000.4309
950.6	0.482552662	2.881032411	0.297190879	0.1	0.82	0.489830007	5.876609323	17006.30751
950.8	0.482719778	2.882030163	0.297327665	0.1	0.82	0.490055457	5.879312781	17012.18682
951	0.482886973	2.883028382	0.297464648	0.1	0.82	0.490281232	5.882020133	17018.06884
951.2	0.483054246	2.884027068	0.297601828	0.1	0.82	0.490507333	5.884731389	17023.95357
951.4	0.483221597	2.885026222	0.297739206	0.1	0.82	0.49073376	5.887446558	17029.84102
951.6	0.483389026	2.886025843	0.297876784	0.1	0.82	0.490960515	5.890165648	17035.73118
951.8	0.483556535	2.887025934	0.29801456	0.1	0.82	0.491187597	5.892888671	17041.62407
952	0.483724121	2.888026495	0.298152535	0.1	0.82	0.491415009	5.895615635	17047.51969
952.2	0.483891787	2.889027526	0.298290711	0.1	0.82	0.49164275	5.898346551	17053.41803
952.4	0.484059532	2.890029028	0.298429087	0.1	0.82	0.491870821	5.901081426	17059.31912
952.6	0.484227355	2.891031001	0.298567664	0.1	0.82	0.492099224	5.903820273	17065.22294
952.8	0.484395258	2.892033447	0.298706443	0.1	0.82	0.492327959	5.906563099	17071.1295
953	0.48456324	2.893036367	0.298845423	0.1	0.82	0.492557027	5.909309915	17077.03881
953.2	0.484731301	2.89403976	0.298984606	0.1	0.82	0.492786428	5.91206073	17082.95087
953.4	0.484899442	2.895043628	0.299123992	0.1	0.82	0.493016164	5.914815555	17088.86569
953.6	0.485067662	2.89604797	0.299263582	0.1	0.82	0.493246236	5.917574399	17094.78326
953.8	0.485235962	2.897052789	0.299403375	0.1	0.82	0.493476643	5.920337271	17100.7036
954	0.485404342	2.898058085	0.299543373	0.1	0.82	0.493707388	5.923104183	17106.6267
954.2	0.485572802	2.899063858	0.299683576	0.1	0.82	0.49393847	5.925875144	17112.55258
954.4	0.485741342	2.900070109	0.299823984	0.1	0.82	0.494169891	5.928650163	17118.48123
954.6	0.485909962	2.901076839	0.299964598	0.1	0.82	0.494401651	5.931429251	17124.41266
954.8	0.486078663	2.902084048	0.300105419	0.1	0.82	0.494633752	5.934212418	17130.34687
955	0.486247444	2.903091738	0.300246447	0.1	0.82	0.494866194	5.936999674	17136.28387
955.2	0.486416305	2.904099908	0.300387682	0.1	0.82	0.495098978	5.939791029	17142.22366
955.4	0.486585247	2.90510856	0.300529125	0.1	0.82	0.495332104	5.942586493	17148.16625
955.6	0.48675427	2.906117695	0.300670777	0.1	0.82	0.495565575	5.945386076	17154.11163
955.8	0.486923374	2.907127313	0.300812638	0.1	0.82	0.49579939	5.948189788	17160.05982
956	0.487092559	2.908137414	0.300954708	0.1	0.82	0.49603355	5.950997641	17166.01082
956.2	0.487261825	2.909148	0.301096989	0.1	0.82	0.496268057	5.953809644	17171.96463
956.4	0.487431172	2.910159072	0.30123948	0.1	0.82	0.496502911	5.956625806	17177.92125
956.6	0.487600601	2.911170629	0.301382182	0.1	0.82	0.496738113	5.95944614	17183.8807
956.8	0.487770111	2.912182673	0.301525096	0.1	0.82	0.496973663	5.962270655	17189.84297
957	0.487939703	2.913195204	0.301668222	0.1	0.82	0.497209564	5.965099361	17195.80807
957.2	0.488109377	2.914208224	0.301811561	0.1	0.82	0.497445815	5.967932269	17201.776
957.4	0.488279133	2.915221733	0.301955113	0.1	0.82	0.497682417	5.97076939	17207.74677
957.6	0.48844897	2.916235731	0.302098879	0.1	0.82	0.497919372	5.973610734	17213.72038
957.8	0.48861889	2.91725022	0.302242859	0.1	0.82	0.49815668	5.976456311	17219.69684
958	0.488788892	2.9182652	0.302387054	0.1	0.82	0.498394342	5.979306133	17225.67615
958.2	0.488958976	2.919280672	0.302531464	0.1	0.82	0.498632359	5.982160209	17231.65831
958.4	0.489129143	2.920296637	0.302676091	0.1	0.82	0.498870733	5.985018551	17237.64332
958.6	0.489299393	2.921313095	0.302820933	0.1	0.82	0.499109462	5.98788117	17243.63121
958.8	0.489469725	2.922330047	0.302965993	0.1	0.82	0.49934855	5.990748075	17249.62195
959	0.48964014	2.923347494	0.303111271	0.1	0.82	0.499587996	5.993619278	17255.61557
959.2	0.489810639	2.924365436	0.303256766	0.1	0.82	0.499827802	5.99649479	17261.61207
959.4	0.48998122	2.925383876	0.30340248	0.1	0.82	0.500067968	5.999374621	17267.61144
959.6	0.490151885	2.926402812	0.303548414	0.1	0.82	0.500308496	6.002258783	17273.6137
959.8	0.490322633	2.927422246	0.303694567	0.1	0.82	0.500549385	6.005147286	17279.61885
960	0.490493464	2.928442179	0.303840941	0.1	0.82	0.500790638	6.008040142	17285.62689
960.2	0.49066438	2.929462611	0.303987535	0.1	0.82	0.501032255	6.010937361	17291.63783
960.4	0.490835379	2.930483544	0.304134351	0.1	0.82	0.501274237	6.013838955	17297.65166
960.6	0.491006461	2.931504978	0.304281389	0.1	0.82	0.501516585	6.016744934	17303.66841
960.8	0.491177628	2.932526913	0.304428649	0.1	0.82	0.5017593	6.01965531	17309.68806

961	0.49134888	2.933549351	0.304576133	0.1	0.82	0.502002382	6.022570094	17315.71063
961.2	0.491520215	2.934572292	0.30472384	0.1	0.82	0.502245834	6.025489297	17321.73612
961.4	0.491691635	2.935595738	0.304871772	0.1	0.82	0.502489655	6.028412931	17327.76454
961.6	0.491863139	2.936619688	0.305019929	0.1	0.82	0.502733846	6.031341006	17333.79588
961.8	0.492034729	2.937644144	0.305168311	0.1	0.82	0.502978409	6.034273535	17339.83015
962	0.492206403	2.938669106	0.305316919	0.1	0.82	0.503223345	6.037210528	17345.86736
962.2	0.492378162	2.939694576	0.305465753	0.1	0.82	0.503468654	6.040151997	17351.90751
962.4	0.492550006	2.940720553	0.305614815	0.1	0.82	0.503714338	6.043097953	17357.95061
962.6	0.492721935	2.941747039	0.305764104	0.1	0.82	0.503960397	6.046048409	17363.99666
962.8	0.492893949	2.942774035	0.305913622	0.1	0.82	0.504206832	6.049003374	17370.04566
963	0.493066049	2.943801541	0.306063369	0.1	0.82	0.504453645	6.051962862	17376.09763
963.2	0.493238235	2.944829559	0.306213345	0.1	0.82	0.504700836	6.054926884	17382.15255
963.4	0.493410507	2.945858088	0.306363552	0.1	0.82	0.504948406	6.057895451	17388.21045
963.6	0.493582864	2.94688713	0.306513989	0.1	0.82	0.505196357	6.060868576	17394.27132
963.8	0.493755307	2.947916686	0.306664657	0.1	0.82	0.505444688	6.063846269	17400.33516
964	0.493927837	2.948946756	0.306815558	0.1	0.82	0.505693402	6.066828543	17406.40199
964.2	0.494100452	2.949977341	0.306966691	0.1	0.82	0.505942499	6.069815409	17412.47181
964.4	0.494273155	2.951008442	0.307118056	0.1	0.82	0.506191981	6.07280688	17418.54461
964.6	0.494445943	2.95204006	0.307269656	0.1	0.82	0.506441847	6.075802968	17424.62042
964.8	0.494618819	2.953072196	0.30742149	0.1	0.82	0.5066921	6.078803683	17430.69922
965	0.494791781	2.95410485	0.307573559	0.1	0.82	0.50694274	6.08180904	17436.78103
965.2	0.49496483	2.955138023	0.307725863	0.1	0.82	0.507193768	6.084819048	17442.86585
965.4	0.495137967	2.956171716	0.307878404	0.1	0.82	0.507445186	6.087833722	17448.95368
965.6	0.49531119	2.95720593	0.308031181	0.1	0.82	0.507696993	6.090853072	17455.04454
965.8	0.495484501	2.958240666	0.308184196	0.1	0.82	0.507949192	6.093877111	17461.13841
966	0.4956579	2.959275924	0.308337449	0.1	0.82	0.508201783	6.096905851	17467.23532
966.2	0.495831386	2.960311705	0.30849094	0.1	0.82	0.508454768	6.099939305	17473.33526
966.4	0.49600496	2.961348011	0.308644671	0.1	0.82	0.508708147	6.102977485	17479.43824
966.6	0.496178622	2.962384842	0.308798641	0.1	0.82	0.508961921	6.106020403	17485.54426
966.8	0.496352371	2.963422198	0.308952852	0.1	0.82	0.509216091	6.109068072	17491.65332
967	0.49652621	2.964460082	0.309107305	0.1	0.82	0.509470659	6.112120504	17497.76544
967.2	0.496700136	2.965498492	0.309261998	0.1	0.82	0.509725626	6.115177711	17503.88062
967.4	0.496874151	2.966537431	0.309416935	0.1	0.82	0.509980992	6.118239707	17509.99886
967.6	0.497048255	2.967576899	0.309572114	0.1	0.82	0.510236759	6.121306504	17516.12017
967.8	0.497222447	2.968616897	0.309727537	0.1	0.82	0.510492927	6.124378114	17522.24455
968	0.497396728	2.969657427	0.309883205	0.1	0.82	0.510749498	6.12745455	17528.372
968.2	0.497571099	2.970698487	0.310039117	0.1	0.82	0.511006473	6.130535826	17534.50254
968.4	0.497745558	2.971740081	0.310195275	0.1	0.82	0.511263853	6.133621953	17540.63616
968.6	0.497920107	2.972782207	0.31035168	0.1	0.82	0.511521638	6.136712945	17546.77287
968.8	0.498094745	2.973824868	0.310508331	0.1	0.82	0.511779831	6.139808814	17552.91268
969	0.498269473	2.974868064	0.31066523	0.1	0.82	0.512038432	6.142909574	17559.05559
969.2	0.498444291	2.975911796	0.310822377	0.1	0.82	0.512297441	6.146015237	17565.20161
969.4	0.498619199	2.976956065	0.310979773	0.1	0.82	0.512556862	6.149125817	17571.35073
969.6	0.498794197	2.978000872	0.311137418	0.1	0.82	0.512816693	6.152241327	17577.50297
969.8	0.498969285	2.979046217	0.311295314	0.1	0.82	0.513076937	6.155361779	17583.65833
970	0.499144463	2.980092102	0.311453461	0.1	0.82	0.513337594	6.158487188	17589.81682
970.2	0.499319732	2.981138527	0.311611859	0.1	0.82	0.513598666	6.161617565	17595.97844
970.4	0.499495091	2.982185493	0.31177051	0.1	0.82	0.513860154	6.164752925	17602.14319
970.6	0.499670542	2.983233002	0.311929413	0.1	0.82	0.514122059	6.167893281	17608.31109
970.8	0.499846083	2.984281053	0.31208857	0.1	0.82	0.514384382	6.171038646	17614.48212
971	0.500021715	2.985329648	0.312247982	0.1	0.82	0.514647124	6.174189034	17620.65631
971.2	0.500197439	2.986378788	0.312407648	0.1	0.82	0.514910286	6.177344458	17626.83366
971.4	0.500373254	2.987428473	0.31256757	0.1	0.82	0.515173869	6.180504932	17633.01416

971.6	0.50054916	2.988478705	0.312727749	0.1	0.82	0.515437875	6.183670468	17639.19783
971.8	0.500725158	2.989529484	0.312888184	0.1	0.82	0.515702305	6.186841082	17645.38467
972	0.500901248	2.990580812	0.313048877	0.1	0.82	0.515967159	6.190016787	17651.57469
972.2	0.50107743	2.991632688	0.313209829	0.1	0.82	0.51623244	6.193197596	17657.76789
972.4	0.501253704	2.992685115	0.31337104	0.1	0.82	0.516498147	6.196383523	17663.96427
972.6	0.50143007	2.993738093	0.31353251	0.1	0.82	0.516764283	6.199574582	17670.16385
972.8	0.501606529	2.994791622	0.313694241	0.1	0.82	0.517030848	6.202770787	17676.36662
973	0.501783081	2.995845705	0.313856233	0.1	0.82	0.517297844	6.205972152	17682.57259
973.2	0.501959725	2.996900341	0.314018488	0.1	0.82	0.517565271	6.209178691	17688.78177
973.4	0.502136462	2.997955532	0.314181005	0.1	0.82	0.517833132	6.212390418	17694.99416
973.6	0.502313292	2.999011278	0.314343785	0.1	0.82	0.518101426	6.215607347	17701.20977
973.8	0.502490215	3.00006758	0.314506829	0.1	0.82	0.518370156	6.218829493	17707.4286
974	0.502667232	3.00112444	0.314670138	0.1	0.82	0.518639322	6.222056869	17713.65065
974.2	0.502844342	3.002181859	0.314833713	0.1	0.82	0.518908926	6.22528949	17719.87594
974.4	0.503021546	3.003239836	0.314997554	0.1	0.82	0.519178969	6.228527369	17726.10447
974.6	0.503198843	3.004298373	0.315161662	0.1	0.82	0.519449452	6.231770523	17732.33624
974.8	0.503376235	3.005357472	0.315326038	0.1	0.82	0.519720376	6.235018964	17738.57126
975	0.50355372	3.006417133	0.315490682	0.1	0.82	0.519991742	6.238272708	17744.80953
975.2	0.5037313	3.007477356	0.315655596	0.1	0.82	0.520263553	6.241531769	17751.05106
975.4	0.503908975	3.008538143	0.315820779	0.1	0.82	0.520535808	6.244796162	17757.29586
975.6	0.504086744	3.009599495	0.315986233	0.1	0.82	0.520808509	6.248065901	17763.54393
975.8	0.504264608	3.010661413	0.316151958	0.1	0.82	0.521081658	6.251341001	17769.79527
976	0.504442566	3.011723898	0.316317956	0.1	0.82	0.521355255	6.254621477	17776.04989
976.2	0.50462062	3.01278695	0.316484227	0.1	0.82	0.521629302	6.257907344	17782.3078
976.4	0.504798769	3.01385057	0.316650771	0.1	0.82	0.5219038	6.261198616	17788.56899
976.6	0.504977013	3.01491476	0.316817589	0.1	0.82	0.522178751	6.264495309	17794.83349
976.8	0.505155353	3.015979521	0.316984683	0.1	0.82	0.522454155	6.267797437	17801.10129
977	0.505333789	3.017044853	0.317152053	0.1	0.82	0.522730014	6.271105016	17807.37239
977.2	0.50551232	3.018110758	0.3173197	0.1	0.82	0.523006329	6.274418061	17813.64681
977.4	0.505690948	3.019177235	0.317487624	0.1	0.82	0.523283102	6.277736587	17819.92455
977.6	0.505869672	3.020244288	0.317655826	0.1	0.82	0.523560333	6.281060609	17826.20561
977.8	0.506048492	3.021311915	0.317824308	0.1	0.82	0.523838024	6.284390143	17832.49
978	0.506227408	3.022380119	0.317993069	0.1	0.82	0.524116176	6.287725204	17838.77772
978.2	0.506406422	3.023448899	0.318162111	0.1	0.82	0.524394791	6.291065807	17845.06879
978.4	0.506585532	3.024518259	0.318331434	0.1	0.82	0.52467387	6.294411968	17851.3632
978.6	0.506764739	3.025588197	0.31850104	0.1	0.82	0.524953414	6.297763702	17857.66096
978.8	0.506944043	3.026658715	0.318670928	0.1	0.82	0.525233424	6.301121025	17863.96208
979	0.507123445	3.027729815	0.3188411	0.1	0.82	0.525513902	6.304483954	17870.26657
979.2	0.507302944	3.028801497	0.319011557	0.1	0.82	0.525794849	6.307852502	17876.57442
979.4	0.507482541	3.029873762	0.319182299	0.1	0.82	0.526076266	6.311226687	17882.88565
979.6	0.507662235	3.030946611	0.319353328	0.1	0.82	0.526358155	6.314606524	17889.20025
979.8	0.507842028	3.032020045	0.319524643	0.1	0.82	0.526640517	6.317992029	17895.51825
980	0.508021919	3.033094065	0.319696246	0.1	0.82	0.526923353	6.321383218	17901.83963
980.2	0.508201908	3.034168672	0.319868138	0.1	0.82	0.527206665	6.324780108	17908.16441
980.4	0.508381996	3.035243868	0.320040319	0.1	0.82	0.527490454	6.328182713	17914.49259
980.6	0.508562182	3.036319653	0.32021279	0.1	0.82	0.527774721	6.331591051	17920.82418
980.8	0.508742467	3.037396027	0.320385553	0.1	0.82	0.528059468	6.335005138	17927.15919
981	0.508922852	3.038472993	0.320558607	0.1	0.82	0.528344697	6.338424989	17933.49761
981.2	0.509103335	3.039550551	0.320731954	0.1	0.82	0.528630407	6.341850622	17939.83946
981.4	0.509283918	3.040628703	0.320905595	0.1	0.82	0.528916602	6.345282053	17946.18475
981.6	0.5094646	3.041707448	0.32107953	0.1	0.82	0.529203281	6.348719298	17952.53347
981.8	0.509645382	3.042786789	0.32125376	0.1	0.82	0.529490448	6.352162373	17958.88563
982	0.509826264	3.043866726	0.321428287	0.1	0.82	0.529778102	6.355611297	17965.24124

982.2	0.510007246	3.044947261	0.32160311	0.1	0.82	0.530066246	6.359066084	17971.60031
982.4	0.510188328	3.046028393	0.321778231	0.1	0.82	0.53035488	6.362526753	17977.96283
982.6	0.510369511	3.047110126	0.32195365	0.1	0.82	0.530644007	6.36599332	17984.32883
982.8	0.510550794	3.048192458	0.32212937	0.1	0.82	0.530933627	6.369465801	17990.69829
983	0.510732177	3.049275392	0.322305389	0.1	0.82	0.531223742	6.372944214	17997.07124
983.2	0.510913662	3.050358929	0.32248171	0.1	0.82	0.531514354	6.376428575	18003.44766
983.4	0.511095248	3.051443069	0.322658332	0.1	0.82	0.531805463	6.379918903	18009.82758
983.6	0.511276935	3.052527813	0.322835258	0.1	0.82	0.532097072	6.383415214	18016.211
983.8	0.511458724	3.053613164	0.323012487	0.1	0.82	0.532389182	6.386917525	18022.59792
984	0.511640614	3.054699121	0.323190022	0.1	0.82	0.532681794	6.390425853	18028.98834
984.2	0.511822606	3.055785686	0.323367861	0.1	0.82	0.532974909	6.393940217	18035.38228
984.4	0.5120047	3.056872859	0.323546008	0.1	0.82	0.53326853	6.397460633	18041.77974
984.6	0.512186896	3.057960643	0.323724461	0.1	0.82	0.533562657	6.40098712	18048.18073
984.8	0.512369194	3.059049038	0.323903223	0.1	0.82	0.533857292	6.404519694	18054.58525
985	0.512551595	3.060138044	0.324082294	0.1	0.82	0.534152437	6.408058373	18060.99331
985.2	0.512734099	3.061227664	0.324261675	0.1	0.82	0.534448092	6.411603176	18067.40491
985.4	0.512916705	3.062317898	0.324441367	0.1	0.82	0.534744261	6.415154119	18073.82006
985.6	0.513099415	3.063408748	0.32462137	0.1	0.82	0.535040943	6.418711221	18080.23878
985.8	0.513282228	3.064500213	0.324801687	0.1	0.82	0.535338141	6.4222745	18086.66105
986	0.513465144	3.065592297	0.324982317	0.1	0.82	0.535635855	6.425843974	18093.08689
986.2	0.513648164	3.066684999	0.325163262	0.1	0.82	0.535934088	6.429419661	18099.51631
986.4	0.513831288	3.06777832	0.325344522	0.1	0.82	0.536232841	6.433001579	18105.94932
986.6	0.514014515	3.068872262	0.325526099	0.1	0.82	0.536532116	6.436589746	18112.38591
986.8	0.514197847	3.069966827	0.325707993	0.1	0.82	0.536831914	6.440184181	18118.82609
987	0.514381283	3.071062014	0.325890205	0.1	0.82	0.537132236	6.443784903	18125.26987
987.2	0.514564824	3.072157825	0.326072737	0.1	0.82	0.537433085	6.447391929	18131.71727
987.4	0.514748469	3.073254262	0.326255589	0.1	0.82	0.537734461	6.451005278	18138.16827
987.6	0.51493222	3.074351325	0.326438762	0.1	0.82	0.538036367	6.454624969	18144.6229
987.8	0.515116075	3.075449015	0.326622257	0.1	0.82	0.538338803	6.458251021	18151.08115
988	0.515300036	3.076547334	0.326806075	0.1	0.82	0.538641772	6.461883452	18157.54303
988.2	0.515484102	3.077646282	0.326990217	0.1	0.82	0.538945275	6.465522282	18164.00855
988.4	0.515668274	3.078745862	0.327174683	0.1	0.82	0.539249313	6.469167529	18170.47772
988.6	0.515852551	3.079846073	0.327359476	0.1	0.82	0.539553889	6.472819212	18176.95054
988.8	0.516036935	3.080946918	0.327544596	0.1	0.82	0.539859003	6.476477351	18183.42702
989	0.516221425	3.082048396	0.327730043	0.1	0.82	0.540164658	6.480141964	18189.90716
989.2	0.516406021	3.083150511	0.32791582	0.1	0.82	0.540470854	6.483813071	18196.39097
989.4	0.516590724	3.084253261	0.328101926	0.1	0.82	0.540777594	6.487490692	18202.87846
989.6	0.516775534	3.08535665	0.328288363	0.1	0.82	0.54108488	6.491174845	18209.36964
989.8	0.516960451	3.086460677	0.328475132	0.1	0.82	0.541392712	6.494865551	18215.8645
990	0.517145475	3.087565344	0.328662233	0.1	0.82	0.541701093	6.498562828	18222.36307
990.2	0.517330606	3.088670652	0.328849668	0.1	0.82	0.542010024	6.502266697	18228.86533
990.4	0.517515845	3.089776603	0.329037438	0.1	0.82	0.542319506	6.505977177	18235.37131
990.6	0.517701192	3.090883197	0.329225544	0.1	0.82	0.542629542	6.509694289	18241.881
990.8	0.517886647	3.091990436	0.329413987	0.1	0.82	0.542940133	6.513418052	18248.39442
991	0.51807221	3.093098321	0.329602767	0.1	0.82	0.543251281	6.517148485	18254.91157
991.2	0.518257881	3.094206853	0.329791887	0.1	0.82	0.543562987	6.52088561	18261.43246
991.4	0.518443661	3.095316033	0.329981346	0.1	0.82	0.543875254	6.524629447	18267.95709
991.6	0.518629549	3.096425862	0.330171146	0.1	0.82	0.544188082	6.528380015	18274.48547
991.8	0.518815547	3.097536342	0.330361287	0.1	0.82	0.544501474	6.532137335	18281.0176
992	0.519001654	3.098647474	0.330551772	0.1	0.82	0.544815431	6.535901428	18287.55351
992.2	0.51918787	3.099759259	0.330742601	0.1	0.82	0.545129955	6.539672314	18294.09318
992.4	0.519374196	3.100871698	0.330933775	0.1	0.82	0.545445047	6.543450013	18300.63663
992.6	0.519560631	3.101984792	0.331125295	0.1	0.82	0.54576071	6.547234547	18307.18386

992.8	0.519747177	3.103098543	0.331317162	0.1	0.82	0.546076946	6.551025937	18313.73489
993	0.519933832	3.104212952	0.331509377	0.1	0.82	0.546393755	6.554824202	18320.28971
993.2	0.520120598	3.105328019	0.331701941	0.1	0.82	0.546711139	6.558629364	18326.84834
993.4	0.520307475	3.106443747	0.331894856	0.1	0.82	0.547029101	6.562441445	18333.41078
993.6	0.520494462	3.107560137	0.332088122	0.1	0.82	0.547347643	6.566260465	18339.97704
993.8	0.520681561	3.108677189	0.332281741	0.1	0.82	0.547666765	6.570086446	18346.54713
994	0.52086877	3.109794905	0.332475713	0.1	0.82	0.54798647	6.573919408	18353.12105
994.2	0.521056091	3.110913286	0.33267004	0.1	0.82	0.548306759	6.577759374	18359.69881
994.4	0.521243524	3.112032334	0.332864722	0.1	0.82	0.548627635	6.581606365	18366.28042
994.6	0.521431068	3.113152049	0.333059761	0.1	0.82	0.548949099	6.585460402	18372.86588
994.8	0.521618725	3.114272434	0.333255159	0.1	0.82	0.549271153	6.589321508	18379.4552
995	0.521806493	3.115393488	0.333450915	0.1	0.82	0.549593798	6.593189703	18386.04839
995.2	0.521994375	3.116515214	0.333647031	0.1	0.82	0.549917037	6.597065011	18392.64545
995.4	0.522182368	3.117637612	0.333843509	0.1	0.82	0.550240872	6.600947452	18399.2464
995.6	0.522370475	3.118760685	0.334040349	0.1	0.82	0.550565303	6.60483705	18405.85124
995.8	0.522558695	3.119884432	0.334237553	0.1	0.82	0.550890334	6.608733826	18412.45997
996	0.522747028	3.121008856	0.334435121	0.1	0.82	0.551215966	6.612637802	18419.07261
996.2	0.522935475	3.122133958	0.334633055	0.1	0.82	0.551542201	6.616549002	18425.68916
996.4	0.523124035	3.123259739	0.334831356	0.1	0.82	0.55186904	6.620467446	18432.30962
996.6	0.523312709	3.1243862	0.335030024	0.1	0.82	0.552196486	6.624393159	18438.93402
996.8	0.523501498	3.125513343	0.335229063	0.1	0.82	0.552524541	6.628326163	18445.56234
997	0.523690401	3.126641168	0.335428471	0.1	0.82	0.552853206	6.632266479	18452.19461
997.2	0.523879418	3.127769678	0.335628251	0.1	0.82	0.553182483	6.636214133	18458.83082
997.4	0.52406855	3.128898873	0.335828403	0.1	0.82	0.553512375	6.640169145	18465.47099
997.6	0.524257798	3.130028755	0.33602893	0.1	0.82	0.553842882	6.64413154	18472.11512
997.8	0.52444716	3.131159325	0.336229831	0.1	0.82	0.554174008	6.648101341	18478.76323
998	0.524636638	3.132290585	0.336431109	0.1	0.82	0.554505754	6.65207857	18485.4153
998.2	0.524826232	3.133422535	0.336632764	0.1	0.82	0.554838122	6.656063252	18492.07137
998.4	0.525015942	3.134555177	0.336834798	0.1	0.82	0.555171113	6.66005541	18498.73142
998.6	0.525205767	3.135688513	0.337037211	0.1	0.82	0.555504731	6.664055067	18505.39548
998.8	0.525395709	3.136822543	0.337240005	0.1	0.82	0.555838977	6.668062247	18512.06354
999	0.525585768	3.13795727	0.337443182	0.1	0.82	0.556173852	6.672076974	18518.73562
999.2	0.525775944	3.139092693	0.337646742	0.1	0.82	0.55650936	6.676099271	18525.41172
999.4	0.525966236	3.140228816	0.337850686	0.1	0.82	0.556845501	6.680129164	18532.09185
999.6	0.526156646	3.141365638	0.338055017	0.1	0.82	0.557182278	6.684166676	18538.77601
999.8	0.526347173	3.142503162	0.338259734	0.1	0.82	0.557519693	6.68821183	18545.46422
1000	0.526537818	3.143641389	0.33846484	0.1	0.82	0.557857749	6.692264653	18552.15649
1000.2	0.526728581	3.14478032	0.338670335	0.1	0.82	0.558196446	6.696325167	18558.85281
1000.4	0.526919462	3.145919956	0.338876221	0.1	0.82	0.558535787	6.700393398	18565.55321
1000.6	0.527110461	3.147060299	0.339082499	0.1	0.82	0.558875775	6.70446937	18572.25768
1000.8	0.52730158	3.148201351	0.33928917	0.1	0.82	0.55921641	6.708553108	18578.96623
1001	0.527492816	3.149343111	0.339496236	0.1	0.82	0.559557696	6.712644637	18585.67888
1001.2	0.527684172	3.150485583	0.339703698	0.1	0.82	0.559899634	6.716743982	18592.39562
1001.4	0.527875648	3.151628768	0.339911556	0.1	0.82	0.560242227	6.720851168	18599.11647
1001.6	0.528067243	3.152772666	0.340119813	0.1	0.82	0.560585476	6.72496622	18605.84144
1001.8	0.528258957	3.153917279	0.34032847	0.1	0.82	0.560929384	6.729089164	18612.57053
1002	0.528450792	3.155062609	0.340537528	0.1	0.82	0.561273953	6.733220025	18619.30375
1002.2	0.528642747	3.156208657	0.340746988	0.1	0.82	0.561619185	6.737358829	18626.0411
1002.4	0.528834822	3.157355424	0.340956851	0.1	0.82	0.561965082	6.741505601	18632.78261
1002.6	0.529027019	3.158502912	0.341167119	0.1	0.82	0.562311646	6.745660368	18639.52827
1002.8	0.529219336	3.159651122	0.341377794	0.1	0.82	0.56265888	6.749823154	18646.27809
1003	0.529411774	3.160800056	0.341588876	0.1	0.82	0.563006785	6.753993987	18653.03209
1003.2	0.529604334	3.161949715	0.341800366	0.1	0.82	0.563355364	6.758172892	18659.79026

1003.4	0.529797015	3.1631001	0.342012267	0.1	0.82	0.563704619	6.762359896	18666.55262
1003.6	0.529989819	3.164251213	0.34222458	0.1	0.82	0.564054552	6.766555025	18673.31918
1003.8	0.530182744	3.165403056	0.342437305	0.1	0.82	0.564405166	6.770758305	18680.08993
1004	0.530375792	3.166555629	0.342650444	0.1	0.82	0.564756462	6.774969764	18686.8649
1004.2	0.530568963	3.167708935	0.342863999	0.1	0.82	0.565108443	6.779189427	18693.64409
1004.4	0.530762256	3.168862974	0.343077971	0.1	0.82	0.565461111	6.783417323	18700.42751
1004.6	0.530955673	3.170017749	0.343292361	0.1	0.82	0.565814469	6.787653478	18707.21516
1004.8	0.531149213	3.17117326	0.34350717	0.1	0.82	0.566168518	6.791897918	18714.00706
1005	0.531342876	3.17232951	0.343722401	0.1	0.82	0.566523261	6.796150672	18720.80321
1005.2	0.531536664	3.173486499	0.343938054	0.1	0.82	0.5668787	6.800411767	18727.60362
1005.4	0.531730576	3.174644229	0.344154131	0.1	0.82	0.567234838	6.80468123	18734.40831
1005.6	0.531924612	3.175802702	0.344370633	0.1	0.82	0.567591677	6.808959089	18741.21726
1005.8	0.532118772	3.176961918	0.344587561	0.1	0.82	0.567949219	6.813245372	18748.03051
1006	0.532313058	3.178121881	0.344804918	0.1	0.82	0.568307466	6.817540106	18754.84805
1006.2	0.532507469	3.17928259	0.345022704	0.1	0.82	0.568666421	6.82184332	18761.66989
1006.4	0.532702005	3.180444048	0.345240921	0.1	0.82	0.569026086	6.826155042	18768.49605
1006.6	0.532896666	3.181606256	0.34545957	0.1	0.82	0.569386464	6.8304753	18775.32652
1006.8	0.533091454	3.182769216	0.345678653	0.1	0.82	0.569747557	6.834804123	18782.16133
1007	0.533286368	3.183932929	0.345898172	0.1	0.82	0.570109367	6.839141539	18789.00047
1007.2	0.533481408	3.185097396	0.346118127	0.1	0.82	0.570471896	6.843487577	18795.84396
1007.4	0.533676574	3.18626262	0.34633852	0.1	0.82	0.570835148	6.847842265	18802.6918
1007.6	0.533871868	3.187428601	0.346559352	0.1	0.82	0.571199124	6.852205633	18809.544
1007.8	0.534067289	3.188595342	0.346780626	0.1	0.82	0.571563827	6.85657771	18816.40058
1008	0.534262837	3.189762843	0.347002342	0.1	0.82	0.57192926	6.860958525	18823.26154
1008.2	0.534458513	3.190931107	0.347224502	0.1	0.82	0.572295425	6.865348108	18830.12689
1008.4	0.534654317	3.192100135	0.347447108	0.1	0.82	0.572662323	6.869746488	18836.99664
1008.6	0.534850249	3.193269928	0.347670161	0.1	0.82	0.573029959	6.874153694	18843.87079
1008.8	0.53504631	3.194440488	0.347893662	0.1	0.82	0.573398334	6.878569756	18850.74936
1009	0.535242499	3.195611817	0.348117613	0.1	0.82	0.57376745	6.882994705	18857.63235
1009.2	0.535438818	3.196783916	0.348342016	0.1	0.82	0.574137311	6.887428571	18864.51978
1009.4	0.535635265	3.197956787	0.348566872	0.1	0.82	0.574507919	6.891871383	18871.41165
1009.6	0.535831842	3.199130431	0.348792183	0.1	0.82	0.574879276	6.896323172	18878.30798
1009.8	0.536028549	3.200304851	0.34901795	0.1	0.82	0.575251385	6.900783969	18885.20876
1010	0.536225386	3.201480047	0.349244175	0.1	0.82	0.575624249	6.905253804	18892.11401
1010.2	0.536422354	3.202656021	0.349470859	0.1	0.82	0.575997869	6.909732709	18899.02375
1010.4	0.536619452	3.203832775	0.349698004	0.1	0.82	0.57637225	6.914220713	18905.93797
1010.6	0.536816681	3.20501031	0.349925611	0.1	0.82	0.576747392	6.918717849	18912.85669
1010.8	0.537014041	3.206188629	0.350153682	0.1	0.82	0.577123299	6.923224147	18919.77991
1011	0.537211532	3.207367732	0.350382219	0.1	0.82	0.577499974	6.927739639	18926.70765
1011.2	0.537409155	3.208547621	0.350611224	0.1	0.82	0.577877419	6.932264357	18933.63991
1011.4	0.537606911	3.209728299	0.350840697	0.1	0.82	0.578255636	6.936798331	18940.57671
1011.6	0.537804798	3.210909766	0.35107064	0.1	0.82	0.578634629	6.941341595	18947.51805
1011.8	0.538002818	3.212092024	0.351301056	0.1	0.82	0.579014401	6.94589418	18954.46395
1012	0.538200971	3.213275075	0.351531945	0.1	0.82	0.579394952	6.950456118	18961.4144
1012.2	0.538399257	3.214458921	0.35176331	0.1	0.82	0.579776288	6.955027441	18968.36943
1012.4	0.538597676	3.215643563	0.351995152	0.1	0.82	0.580158409	6.959608183	18975.32904
1012.6	0.538796229	3.216829003	0.352227472	0.1	0.82	0.58054132	6.964198375	18982.29324
1012.8	0.538994915	3.218015243	0.352460273	0.1	0.82	0.580925022	6.968798051	18989.26204
1013	0.539193736	3.219202284	0.352693556	0.1	0.82	0.581309519	6.973407244	18996.23544
1013.2	0.539392692	3.220390128	0.352927322	0.1	0.82	0.581694812	6.978025986	19003.21347
1013.4	0.539591782	3.221578777	0.353161574	0.1	0.82	0.582080906	6.982654311	19010.19612
1013.6	0.539791008	3.222768232	0.353396313	0.1	0.82	0.582467803	6.987292252	19017.18342
1013.8	0.539990368	3.223958496	0.35363154	0.1	0.82	0.582855505	6.991939844	19024.17536

1014	0.540189865	3.225149569	0.353867258	0.1	0.82	0.583244015	6.996597119	19031.17195
1014.2	0.540389497	3.226341454	0.354103469	0.1	0.82	0.583633337	7.001264113	19038.17322
1014.4	0.540589266	3.227534152	0.354340173	0.1	0.82	0.584023473	7.005940858	19045.17916
1014.6	0.540789171	3.228727665	0.354577373	0.1	0.82	0.584414425	7.010627389	19052.18979
1014.8	0.540989213	3.229921995	0.35481507	0.1	0.82	0.584806198	7.015323741	19059.20511
1015	0.541189392	3.231117144	0.355053266	0.1	0.82	0.585198793	7.020029948	19066.22514
1015.2	0.541389708	3.232313113	0.355291964	0.1	0.82	0.585592214	7.024746045	19073.24989
1015.4	0.541590162	3.233509903	0.355531164	0.1	0.82	0.585986464	7.029472068	19080.27936
1015.6	0.541790754	3.234707518	0.355770868	0.1	0.82	0.586381545	7.034208051	19087.31357
1015.8	0.541991484	3.235905959	0.356011079	0.1	0.82	0.58677746	7.038954029	19094.35252
1016	0.542192353	3.237105226	0.356251798	0.1	0.82	0.587174213	7.043710038	19101.39623
1016.2	0.542393361	3.238305323	0.356493026	0.1	0.82	0.587571806	7.048476114	19108.44471
1016.4	0.542594508	3.239506251	0.356734767	0.1	0.82	0.587970243	7.053252293	19115.49796
1016.6	0.542795795	3.240708012	0.356977021	0.1	0.82	0.588369526	7.05803861	19122.556
1016.8	0.542997221	3.241910608	0.35721979	0.1	0.82	0.588769658	7.062835102	19129.61883
1017	0.543198787	3.243114039	0.357463077	0.1	0.82	0.589170643	7.067641806	19136.68647
1017.2	0.543400494	3.244318309	0.357706882	0.1	0.82	0.589572483	7.072458757	19143.75893
1017.4	0.543602341	3.245523419	0.357951209	0.1	0.82	0.589975182	7.077285993	19150.83622
1017.6	0.54380433	3.246729371	0.358196058	0.1	0.82	0.590378743	7.082123551	19157.91834
1017.8	0.54400646	3.247936167	0.358441432	0.1	0.82	0.590783168	7.086971467	19165.00531
1018	0.544208731	3.249143809	0.358687333	0.1	0.82	0.591188462	7.091829779	19172.09714
1018.2	0.544411145	3.250352297	0.358933762	0.1	0.82	0.591594626	7.096698525	19179.19384
1018.4	0.5446137	3.251561635	0.359180721	0.1	0.82	0.592001664	7.101577742	19186.29542
1018.6	0.544816398	3.252771825	0.359428213	0.1	0.82	0.59240958	7.106467469	19193.40189
1018.8	0.545019239	3.253982867	0.359676239	0.1	0.82	0.592818377	7.111367742	19200.51325
1019	0.545222224	3.255194764	0.359924801	0.1	0.82	0.593228057	7.116278602	19207.62953
1019.2	0.545425351	3.256407518	0.360173901	0.1	0.82	0.593638624	7.121200085	19214.75073
1019.4	0.545628623	3.257621131	0.360423542	0.1	0.82	0.594050081	7.126132231	19221.87687
1019.6	0.545832039	3.258835605	0.360673724	0.1	0.82	0.594462432	7.131075079	19229.00794
1019.8	0.546035599	3.260050941	0.36092445	0.1	0.82	0.594875679	7.136028667	19236.14397
1020	0.546239304	3.261267141	0.361175723	0.1	0.82	0.595289827	7.140993035	19243.28496
1020.2	0.546443154	3.262484208	0.361427544	0.1	0.82	0.595704877	7.145968223	19250.43093
1020.4	0.54664715	3.263702143	0.361679914	0.1	0.82	0.596120834	7.15095427	19257.58188
1020.6	0.546851291	3.264920949	0.361932837	0.1	0.82	0.596537702	7.155951216	19264.73784
1020.8	0.547055579	3.266140626	0.362186314	0.1	0.82	0.596955482	7.160959102	19271.89879
1021	0.547260012	3.267361178	0.362440346	0.1	0.82	0.597374179	7.165977966	19279.06477
1021.2	0.547464593	3.268582606	0.362694938	0.1	0.82	0.597793796	7.171007851	19286.23578
1021.4	0.547669321	3.269804912	0.362950089	0.1	0.82	0.598214337	7.176048796	19293.41183
1021.6	0.547874196	3.271028098	0.363205803	0.1	0.82	0.598635804	7.181100843	19300.59293
1021.8	0.548079219	3.272252167	0.363462081	0.1	0.82	0.599058202	7.186164033	19307.77909
1022	0.548284389	3.273477119	0.363718925	0.1	0.82	0.599481533	7.191238407	19314.97033
1022.2	0.548489709	3.274702957	0.363976339	0.1	0.82	0.599905801	7.196324006	19322.16666
1022.4	0.548695177	3.275929684	0.364234323	0.1	0.82	0.600331011	7.201420873	19329.36808
1022.6	0.548900794	3.2771573	0.36449288	0.1	0.82	0.600757164	7.20652905	19336.57461
1022.8	0.54910656	3.278385809	0.364752012	0.1	0.82	0.601184265	7.211648578	19343.78626
1023	0.549312477	3.279615211	0.365011721	0.1	0.82	0.601612318	7.216779501	19351.00303
1023.2	0.549518543	3.28084551	0.365272009	0.1	0.82	0.602041325	7.221921861	19358.22496
1023.4	0.54972476	3.282076707	0.365532879	0.1	0.82	0.602471291	7.2270757	19365.45203
1023.6	0.549931128	3.283308805	0.365794333	0.1	0.82	0.602902219	7.232241062	19372.68427
1023.8	0.550137646	3.284541804	0.366056372	0.1	0.82	0.603334113	7.237417991	19379.92169
1024	0.550344317	3.285775709	0.366319	0.1	0.82	0.603766976	7.24260653	19387.1643
1024.2	0.550551139	3.287010519	0.366582218	0.1	0.82	0.604200811	7.247806722	19394.4121
1024.4	0.550758113	3.288246238	0.366846028	0.1	0.82	0.604635624	7.253018612	19401.66512

1024.6	0.55096524	3.289482868	0.367110434	0.1	0.82	0.605071417	7.258242244	19408.92337
1024.8	0.55117252	3.290720411	0.367375436	0.1	0.82	0.605508194	7.263477663	19416.18684
1025	0.551379952	3.291958868	0.367641038	0.1	0.82	0.605945958	7.268724913	19423.45557
1025.2	0.551587539	3.293198243	0.367907241	0.1	0.82	0.606384715	7.27398404	19430.72955
1025.4	0.551795279	3.294438536	0.368174048	0.1	0.82	0.606824467	7.279255088	19438.00881
1025.6	0.552003174	3.295679751	0.368441462	0.1	0.82	0.607265217	7.284538103	19445.29335
1025.8	0.552211224	3.296921889	0.368709484	0.1	0.82	0.607706971	7.289833131	19452.58318
1026	0.552419428	3.298164953	0.368978117	0.1	0.82	0.608149732	7.295140218	19459.87832
1026.2	0.552627788	3.299408944	0.369247363	0.1	0.82	0.608593503	7.30045941	19467.17878
1026.4	0.552836303	3.300653866	0.369517224	0.1	0.82	0.609038289	7.305790754	19474.48457
1026.6	0.553044975	3.301899719	0.369787704	0.1	0.82	0.609484093	7.311134295	19481.7957
1026.8	0.553253803	3.303146507	0.370058804	0.100101034	0.820010103	0.609938435	7.316535173	19489.11224
1027	0.553462788	3.304394231	0.370330526	0.100567899	0.82005679	0.610421046	7.322156887	19496.43439
1027.2	0.55367193	3.305642894	0.370602874	0.101035837	0.820103584	0.610904818	7.32795518	19503.76235
1027.4	0.55388123	3.306892497	0.370875849	0.101504854	0.820150485	0.611389755	7.333767438	19511.09612
1027.6	0.554090688	3.308143044	0.371149454	0.101974953	0.820197495	0.611875864	7.339593717	19518.43571
1027.8	0.554300304	3.309394536	0.371423692	0.102446138	0.820244614	0.612363148	7.345434074	19525.78115
1028	0.554510079	3.310646975	0.371698564	0.102918415	0.820291841	0.612851613	7.351288566	19533.13243
1028.2	0.554720013	3.311900365	0.371974074	0.103391786	0.820339179	0.613341262	7.357157248	19540.48959
1028.4	0.554930106	3.313154706	0.372250224	0.103866257	0.820386626	0.613832101	7.363040179	19547.85263
1028.6	0.555140359	3.314410002	0.372527016	0.104341831	0.820434183	0.614324135	7.368937416	19555.22157
1028.8	0.555350773	3.315666254	0.372804453	0.104818514	0.820481851	0.614817368	7.374849016	19562.59642
1029	0.555561347	3.316923465	0.373082537	0.105296309	0.820529631	0.615311805	7.380775039	19569.97719
1029.2	0.555772082	3.318181637	0.373361271	0.10577522	0.820577522	0.615807452	7.386715543	19577.36391
1029.4	0.555982978	3.319440773	0.373640658	0.106255253	0.820625525	0.616304313	7.392670586	19584.75658
1029.6	0.556194036	3.320700875	0.373920699	0.106736411	0.820673641	0.616802392	7.398640228	19592.15522
1029.8	0.556405257	3.321961944	0.374201399	0.107218698	0.82072187	0.617301696	7.404624529	19599.55984
1030	0.556616639	3.323223984	0.374482758	0.107702121	0.820770212	0.617802229	7.410623548	19606.97047
1030.2	0.556828185	3.324486997	0.374764781	0.108186682	0.820818668	0.618303996	7.416637346	19614.3871
1030.4	0.557039894	3.325750985	0.375047469	0.108672387	0.820867239	0.618807002	7.422665982	19621.80977
1030.6	0.557251767	3.327015951	0.375330825	0.109159239	0.820915924	0.619311252	7.42870952	19629.23848
1030.8	0.557463804	3.328281896	0.375614851	0.109647244	0.820964724	0.619816751	7.434768018	19636.67325
1031	0.557676006	3.329548823	0.375899552	0.110136406	0.821013641	0.620323505	7.44084154	19644.11409
1031.2	0.557888372	3.330816735	0.376184928	0.11062673	0.821062673	0.620831519	7.446930147	19651.56102
1031.4	0.558100904	3.332085634	0.376470983	0.11111822	0.821111822	0.621340798	7.453033901	19659.01405
1031.6	0.558313601	3.333355523	0.37675772	0.111610882	0.821161088	0.621851347	7.459152866	19666.47321
1031.8	0.558526464	3.334626403	0.377045141	0.112104719	0.821210472	0.622363171	7.465287104	19673.93849
1032	0.558739494	3.335898278	0.377333249	0.112599736	0.821259974	0.622876276	7.471436679	19681.40993
1032.2	0.558952691	3.337171149	0.377622047	0.113095939	0.821309594	0.623390667	7.477601654	19688.88753
1032.4	0.559166056	3.33844502	0.377911538	0.113593332	0.821359333	0.623906349	7.483782095	19696.37131
1032.6	0.559379588	3.339719892	0.378201724	0.114091919	0.821409192	0.624423328	7.489978064	19703.86129
1032.8	0.559593288	3.340995768	0.378492608	0.114591706	0.821459171	0.62494161	7.496189629	19711.35748
1033	0.559807157	3.34227265	0.378784193	0.115092698	0.82150927	0.625461199	7.502416853	19718.8599
1033.2	0.560021195	3.343550542	0.379076482	0.115594899	0.82155949	0.625982101	7.508659802	19726.36856
1033.4	0.560235402	3.344829445	0.379369478	0.116098314	0.821609831	0.626504322	7.514918543	19733.88348
1033.6	0.560449779	3.346109362	0.379663183	0.116602948	0.821660295	0.627027868	7.521193142	19741.40467
1033.8	0.560664327	3.347390296	0.379957601	0.117108807	0.821710881	0.627552743	7.527483665	19748.93215
1034	0.560879045	3.348672249	0.380252734	0.117615895	0.821761589	0.628078954	7.533790181	19756.46594
1034.2	0.561093934	3.349955223	0.380548586	0.118124217	0.821812422	0.628606506	7.540112757	19764.00606
1034.4	0.561308995	3.351239222	0.380845159	0.118633778	0.821863378	0.629135404	7.546451461	19771.55251
1034.6	0.561524227	3.352524247	0.381142456	0.119144584	0.821914458	0.629665656	7.552806361	19779.10531
1034.8	0.561739633	3.353810302	0.38144048	0.119656639	0.821965664	0.630197265	7.559177526	19786.66449
1035	0.56195521	3.355097389	0.381739235	0.120169949	0.822016995	0.630730239	7.565565026	19794.23006

1035.2	0.562170962	3.35638551	0.382038723	0.120684519	0.822068452	0.631264583	7.571968931	19801.80203
1035.4	0.562386887	3.357674668	0.382338947	0.121200353	0.822120035	0.631800302	7.578389309	19809.38042
1035.6	0.562602986	3.358964866	0.38263991	0.121717458	0.822171746	0.632337403	7.584826233	19816.96524
1035.8	0.562819259	3.360256106	0.382941616	0.122235839	0.822223584	0.632875892	7.591279773	19824.55652
1036	0.563035708	3.361548391	0.383244067	0.1227555	0.82227555	0.633415774	7.597749999	19832.15427
1036.2	0.563252332	3.362841724	0.383547267	0.123276447	0.822327645	0.633957056	7.604236985	19839.75851
1036.4	0.563469132	3.364136107	0.383851218	0.123798686	0.822379869	0.634499744	7.610740803	19847.36925
1036.6	0.563686109	3.365431543	0.384155924	0.124322222	0.822432222	0.635043843	7.617261524	19854.98651
1036.8	0.563903262	3.366728035	0.384461389	0.12484706	0.822484706	0.63558936	7.623799223	19862.61031
1037	0.564120592	3.368025585	0.384767614	0.125373205	0.822537321	0.636136302	7.630353972	19870.24066
1037.2	0.564338101	3.369324196	0.385074604	0.125900664	0.822590066	0.636684673	7.636925846	19877.87759
1037.4	0.564555787	3.37062387	0.385382361	0.126429442	0.822642944	0.63723448	7.64351492	19885.5211
1037.6	0.564773652	3.371924612	0.385690889	0.126959544	0.822695954	0.637785731	7.650121267	19893.17123
1037.8	0.564991696	3.373226422	0.386000191	0.127490976	0.822749098	0.63833843	7.656744964	19900.82797
1038	0.56520992	3.374529305	0.38631027	0.128023743	0.822802374	0.638892584	7.663386087	19908.49136
1038.2	0.565428323	3.375833262	0.38662113	0.128557852	0.822855785	0.639448201	7.670044711	19916.1614
1038.4	0.565646908	3.377138297	0.386932773	0.129093308	0.822909331	0.640005285	7.676720914	19923.83812
1038.6	0.565865673	3.378444412	0.387245204	0.129630116	0.822963012	0.640563844	7.683414772	19931.52154
1038.8	0.566084619	3.37975161	0.387558426	0.130168282	0.823016828	0.641123884	7.690126363	19939.21166
1039	0.566303748	3.381059894	0.387872441	0.130707812	0.823070781	0.641685411	7.696855766	19946.90852
1039.2	0.566523058	3.382369267	0.388187254	0.131248713	0.823124871	0.642248432	7.70360306	19954.61212
1039.4	0.566742552	3.383679732	0.388502867	0.131790989	0.823179099	0.642812955	7.710368323	19962.32249
1039.6	0.566962229	3.384991291	0.388819285	0.132334647	0.823233465	0.643378984	7.717151634	19970.03964
1039.8	0.567182089	3.386303947	0.38913651	0.132879692	0.823287969	0.643946528	7.723953075	19977.7636
1040	0.567402134	3.387617703	0.389454546	0.133426131	0.823342613	0.644515593	7.730772726	19985.49437
1040.2	0.567622364	3.388932563	0.389773397	0.133973969	0.823397397	0.645086185	7.737610668	19993.23198
1040.4	0.567842779	3.390248529	0.390093066	0.134523214	0.823452321	0.645658312	7.744466982	20000.97645
1040.6	0.56806338	3.391565603	0.390413557	0.135073869	0.823507387	0.64623198	7.751341751	20008.72779
1040.8	0.568284167	3.392883789	0.390734872	0.135625943	0.823562594	0.646807196	7.758235058	20016.48602
1041	0.56850514	3.39420309	0.391057017	0.13617944	0.823617944	0.647383968	7.765146985	20024.25117
1041.2	0.568726301	3.395523509	0.391379993	0.136734368	0.823673437	0.647962302	7.772077616	20032.02325
1041.4	0.56894765	3.396845048	0.391703806	0.137290732	0.823729073	0.648542205	7.779027036	20039.80227
1041.6	0.569169187	3.398167712	0.392028458	0.137848538	0.823784854	0.649123684	7.78599533	20047.58827
1041.8	0.569390912	3.399491501	0.392353954	0.138407794	0.823840779	0.649706746	7.792982582	20055.38125
1042	0.569612827	3.400816421	0.392680297	0.138968504	0.82389685	0.6502914	7.799988878	20063.18124
1042.2	0.569834931	3.402142473	0.39300749	0.139530676	0.823953068	0.650877651	7.807014305	20070.98826
1042.4	0.570057226	3.403469661	0.393335538	0.140094316	0.824009432	0.651465507	7.81405895	20078.80231
1042.6	0.570279711	3.404797987	0.393664443	0.140659431	0.824065943	0.652054976	7.821122901	20086.62344
1042.8	0.570502388	3.406127456	0.393994211	0.141226027	0.824122603	0.652646065	7.828206244	20094.45164
1043	0.570725256	3.407458069	0.394324845	0.14179411	0.824179411	0.65323878	7.83530907	20102.28695
1043.2	0.570948317	3.40878983	0.394656348	0.142363687	0.824236369	0.653833131	7.842431467	20110.12938
1043.4	0.57117157	3.410122743	0.394988724	0.142934764	0.824293476	0.654429123	7.849573524	20117.97896
1043.6	0.571395017	3.41145681	0.395321978	0.14350735	0.824350735	0.655026766	7.856735333	20125.83569
1043.8	0.571618658	3.412792034	0.395656113	0.144081449	0.824408145	0.655626065	7.863916983	20133.69961
1044	0.571842493	3.414128418	0.395991133	0.144657069	0.824465707	0.65622703	7.871118568	20141.57073
1044.2	0.572066523	3.415465966	0.396327042	0.145234216	0.824523422	0.656829667	7.878340177	20149.44907
1044.4	0.572290748	3.416804681	0.396663844	0.145812898	0.82458129	0.657433984	7.885581905	20157.33465
1044.6	0.572515169	3.418144566	0.397001543	0.146393121	0.824639312	0.65803999	7.892843845	20165.22749
1044.8	0.572739787	3.419485625	0.397340144	0.146974892	0.824697489	0.658647692	7.90012609	20173.12762
1045	0.572964602	3.420827859	0.397679649	0.147558219	0.824755822	0.659257097	7.907428735	20181.03505
1045.2	0.573189614	3.422171274	0.398020063	0.148143107	0.824814311	0.659868215	7.914751874	20188.9498
1045.4	0.573414825	3.423515871	0.398361391	0.148729565	0.824872957	0.660481052	7.922095605	20196.8719
1045.6	0.573640234	3.424861654	0.398703636	0.149317599	0.82493176	0.661095618	7.929460022	20204.80136

1045.8	0.573865843	3.426208627	0.399046803	0.149907216	0.824990722	0.661711919	7.936845224	20212.7382
1046	0.574091651	3.427556793	0.399390896	0.150498424	0.825049842	0.662329965	7.944251307	20220.68245
1046.2	0.57431766	3.428906155	0.399735918	0.15109123	0.825109123	0.662949763	7.95167837	20228.63413
1046.4	0.574543869	3.430256716	0.400081875	0.151685641	0.825168564	0.663571322	7.959126512	20236.59326
1046.6	0.57477028	3.43160848	0.40042877	0.152281664	0.825228166	0.66419465	7.966595832	20244.55985
1046.8	0.574996893	3.43296145	0.400776608	0.152879306	0.825287931	0.664819755	7.97408643	20252.53394
1047	0.575223709	3.43431563	0.401125392	0.153478576	0.825347858	0.665446646	7.981598408	20260.51554
1047.2	0.575450727	3.435671022	0.401475128	0.154079481	0.825407948	0.666075332	7.989131867	20268.50467
1047.4	0.57567795	3.43702763	0.40182582	0.154682028	0.825468203	0.66670582	7.996686909	20276.50136
1047.6	0.575905376	3.438385459	0.402177472	0.155286224	0.825528622	0.66733812	8.004263636	20284.50562
1047.8	0.576133008	3.43974451	0.402530089	0.155892078	0.825589208	0.667972239	8.011862154	20292.51748
1048	0.576360845	3.441104788	0.402883675	0.156499596	0.82564996	0.668608188	8.019482565	20300.53697
1048.2	0.576588888	3.442466296	0.403238234	0.157108788	0.825710879	0.669245974	8.027124975	20308.56409
1048.4	0.576817138	3.443829038	0.403593771	0.157719659	0.825771966	0.669885607	8.03478949	20316.59888
1048.6	0.577045594	3.445193016	0.40395029	0.158332219	0.825833222	0.670527095	8.042476215	20324.64136
1048.8	0.577274259	3.446558235	0.404307797	0.158946475	0.825894647	0.671170448	8.050185259	20332.69154
1049	0.577503132	3.447924699	0.404666296	0.159562435	0.825956243	0.671815674	8.057916728	20340.74946
1049.2	0.577732214	3.44929241	0.405025791	0.160180106	0.826018011	0.672462782	8.065670732	20348.81513
1049.4	0.577961505	3.450661372	0.405386287	0.160799498	0.82607995	0.673111781	8.073447379	20356.88858
1049.6	0.578191007	3.452031588	0.405747788	0.161420618	0.826142062	0.673762682	8.08124678	20364.96982
1049.8	0.578420719	3.453403064	0.4061103	0.162043474	0.826204347	0.674415492	8.089069045	20373.05889
1050	0.578650643	3.454775801	0.406473828	0.162668074	0.826266807	0.675070222	8.096914286	20381.15581
1050.2	0.578880779	3.456149804	0.406838375	0.163294426	0.826329443	0.675726881	8.104782615	20389.26059
1050.4	0.579111128	3.457525076	0.407203947	0.16392254	0.826392254	0.676385477	8.112674146	20397.37326
1050.6	0.579341689	3.458901621	0.407570549	0.164552422	0.826455242	0.677046021	8.120588992	20405.49385
1050.8	0.579572465	3.460279443	0.407938185	0.165184082	0.826518408	0.677708523	8.128527267	20413.62238
1051	0.579803455	3.461658545	0.408306861	0.165817528	0.826581753	0.678372992	8.136489088	20421.75887
1051.2	0.58003466	3.463038932	0.408676581	0.166452769	0.826645277	0.679039437	8.14447457	20429.90334
1051.4	0.58026608	3.464420606	0.409047351	0.167089812	0.826708981	0.679707868	8.15248383	20438.05583
1051.6	0.580497717	3.465803572	0.409419175	0.167728667	0.826772867	0.680378296	8.160516986	20446.21634
1051.8	0.580729571	3.467187833	0.409792058	0.168369343	0.826836934	0.68105073	8.168574157	20454.38492
1052	0.580961643	3.468573394	0.410166006	0.169011847	0.826901185	0.68172518	8.176655463	20462.56157
1052.2	0.581193933	3.469960257	0.410541024	0.16965619	0.826965619	0.682401657	8.184761022	20470.74634
1052.4	0.581426442	3.471348428	0.410917116	0.170302379	0.827030238	0.68308017	8.192890957	20478.93923
1052.6	0.58165917	3.472737909	0.411294289	0.170950424	0.827095042	0.683760729	8.20104539	20487.14027
1052.8	0.581892119	3.474128705	0.411672546	0.171600333	0.827160033	0.684443345	8.209224443	20495.3495
1053	0.582125288	3.475520819	0.412051894	0.172252116	0.827225212	0.685128028	8.21742824	20503.56692
1053.2	0.582358679	3.476914256	0.412432338	0.172905782	0.827290578	0.685814789	8.225656906	20511.79258
1053.4	0.582592292	3.478309019	0.412813883	0.173561339	0.827356134	0.686503638	8.233910565	20520.02649
1053.6	0.582826128	3.479705112	0.413196535	0.174218798	0.82742188	0.687194586	8.242189345	20528.26868
1053.8	0.583060187	3.48110254	0.413580298	0.174878167	0.827487817	0.687887643	8.250493372	20536.51917
1054	0.58329447	3.482501306	0.413965179	0.175539456	0.827553946	0.68858282	8.258822775	20544.778
1054.2	0.583528979	3.483901414	0.414351183	0.176202673	0.827620267	0.689280127	8.267177682	20553.04517
1054.4	0.583763713	3.485302869	0.414738314	0.17686783	0.827686783	0.689979577	8.275558224	20561.32073
1054.6	0.583998673	3.486705674	0.41512658	0.177534935	0.827753493	0.690681179	8.283964531	20569.6047
1054.8	0.584233859	3.488109834	0.415515985	0.178203997	0.8278204	0.691384944	8.292396736	20577.89709
1055	0.584469274	3.489515352	0.415906535	0.178875027	0.827887503	0.692090884	8.30085497	20586.19795
1055.2	0.584704916	3.490922233	0.416298236	0.179548034	0.827954803	0.69279901	8.309339367	20594.50729
1055.4	0.584940788	3.492330481	0.416691094	0.180223029	0.828022303	0.693509334	8.317850063	20602.82514
1055.6	0.585176889	3.4937401	0.417085114	0.18090002	0.828090002	0.694221865	8.326387193	20611.15153
1055.8	0.585413221	3.495151094	0.417480301	0.181579017	0.828157902	0.694936617	8.334950892	20619.48648
1056	0.585649783	3.496563467	0.417876663	0.182260032	0.828226003	0.6956536	8.3435413	20627.83002
1056.2	0.585886578	3.497977224	0.418274204	0.182943074	0.828294307	0.696372826	8.352158555	20636.18218

1056.4	0.586123605	3.499392369	0.418672931	0.183628153	0.828362815	0.697094307	8.360802795	20644.54298
1056.6	0.586360865	3.500808906	0.41907285	0.184315279	0.828431528	0.697818054	8.369474162	20652.91245
1056.8	0.586598359	3.50222684	0.419473966	0.185004463	0.828500446	0.698544079	8.378172797	20661.29063
1057	0.586836087	3.503646174	0.419876285	0.185695715	0.828569571	0.699272395	8.386898843	20669.67753
1057.2	0.587074051	3.505066913	0.420279815	0.186389045	0.828638904	0.700003013	8.395652444	20678.07318
1057.4	0.587312251	3.506489062	0.42068456	0.187084464	0.828708446	0.700735945	8.404433744	20686.47761
1057.6	0.587550687	3.507912625	0.421090527	0.187781983	0.828778198	0.701471203	8.413242889	20694.89085
1057.8	0.587789362	3.509337605	0.421497723	0.188481612	0.828848161	0.702208801	8.422080027	20703.31293
1058	0.588028274	3.510764009	0.421906153	0.189183363	0.828918336	0.70294875	8.430945304	20711.74388
1058.2	0.588267426	3.51219184	0.422315823	0.189887245	0.828988724	0.703691062	8.43983887	20720.18372
1058.4	0.588506817	3.513621102	0.422726741	0.19059327	0.829059327	0.704435751	8.448760876	20728.63248
1058.6	0.588746449	3.5150518	0.423138913	0.191301448	0.829130145	0.705182828	8.457711472	20737.09019
1058.8	0.588986322	3.516483939	0.423552344	0.192011792	0.829201179	0.705932307	8.46669081	20745.55688
1059	0.589226438	3.517917523	0.423967042	0.192724311	0.829272431	0.706684201	8.475699046	20754.03258
1059.2	0.589466796	3.519352557	0.424383012	0.193439018	0.829343902	0.707438521	8.484736332	20762.51732
1059.4	0.589707397	3.520789045	0.424800263	0.194155923	0.829415592	0.708195283	8.493802826	20771.01112
1059.6	0.589948243	3.522226992	0.425218799	0.194875038	0.829487504	0.708954498	8.502898683	20779.51402
1059.8	0.590189335	3.523666403	0.425638629	0.195596375	0.829559637	0.709716179	8.512024063	20788.02604
1060	0.590430672	3.525107282	0.426059758	0.196319944	0.829631994	0.710480341	8.521179124	20796.54722
1060.2	0.590672255	3.526549634	0.426482193	0.197045758	0.829704576	0.711246997	8.530364027	20805.07759
1060.4	0.590914087	3.527993463	0.426905942	0.197773828	0.829777383	0.712016159	8.539578934	20813.61716
1060.6	0.591156166	3.529438775	0.42733101	0.198504166	0.829850417	0.712787842	8.548824008	20822.16599
1060.8	0.591398495	3.530885575	0.427757406	0.199236785	0.829923678	0.71356206	8.558099414	20830.72409
1061	0.591641074	3.532333866	0.428185136	0.199971695	0.82999717	0.714338826	8.567405316	20839.29149
1061.2	0.591883903	3.533783654	0.428614206	0.20070891	0.830070891	0.715118154	8.576741882	20847.86824
1061.4	0.592126984	3.535234943	0.429044625	0.20144844	0.830144844	0.715900059	8.586109279	20856.45434
1061.6	0.592370317	3.53668774	0.429476399	0.2021903	0.83021903	0.716684554	8.595507677	20865.04985
1061.8	0.592613903	3.538142047	0.429909536	0.2029345	0.83029345	0.717471654	8.604937247	20873.65479
1062	0.592857743	3.539597871	0.430344042	0.203681053	0.830368105	0.718261373	8.614398161	20882.26919
1062.2	0.593101839	3.541055217	0.430779925	0.204429972	0.830442997	0.719053726	8.623890591	20890.89308
1062.4	0.593346189	3.542514088	0.431217192	0.20518127	0.830518127	0.719848727	8.633414713	20899.52649
1062.6	0.593590796	3.543974491	0.431655851	0.205934959	0.830593496	0.720646391	8.642970703	20908.16946
1062.8	0.593835661	3.545436431	0.43209591	0.206691052	0.830669105	0.721446732	8.652558737	20916.82202
1063	0.594080784	3.546899911	0.432537374	0.207449562	0.830744956	0.722249767	8.662178995	20925.4842
1063.2	0.594326166	3.548364939	0.432980254	0.208210502	0.83082105	0.723055509	8.671831657	20934.15603
1063.4	0.594571807	3.549831517	0.433424555	0.208973884	0.830897388	0.723863975	8.681516903	20942.83755
1063.6	0.59481771	3.551299653	0.433870286	0.209739723	0.830973972	0.724675178	8.691234918	20951.52878
1063.8	0.595063874	3.552769351	0.434317454	0.210508032	0.831050803	0.725489136	8.700985886	20960.22977
1064	0.5953103	3.554240616	0.434766067	0.211278824	0.831127882	0.726305863	8.710769992	20968.94054
1064.2	0.59555699	3.555713453	0.435216133	0.212052112	0.831205211	0.727125375	8.720587424	20977.66113
1064.4	0.595803944	3.557187868	0.43566766	0.21282791	0.831282791	0.727947687	8.73043837	20986.39157
1064.6	0.596051163	3.558663866	0.436120656	0.213606233	0.831360623	0.728772816	8.740323021	20995.13189
1064.8	0.596298649	3.560141452	0.436575129	0.214387093	0.831438709	0.729600778	8.750241569	21003.88213
1065	0.596546401	3.561620632	0.437031087	0.215170504	0.83151705	0.730431589	8.760194206	21012.64233
1065.2	0.596794421	3.563101411	0.437488539	0.215956481	0.831595648	0.731265265	8.770181129	21021.41251
1065.4	0.59704271	3.564583794	0.437947492	0.216745039	0.831674504	0.732101823	8.780202533	21030.19271
1065.6	0.597291268	3.566067788	0.438407954	0.21753619	0.831753619	0.732941279	8.790258616	21038.98297
1065.8	0.597540097	3.567553396	0.438869935	0.218329949	0.831832995	0.73378365	8.800349577	21047.78332
1066	0.597789198	3.569040626	0.439333443	0.219126332	0.831912633	0.734628953	8.810475619	21056.59379
1066.2	0.598038571	3.570529482	0.439798485	0.219925352	0.831992535	0.735477204	8.820636944	21065.41443
1066.4	0.598288217	3.572019971	0.440265072	0.220727025	0.832072702	0.736328422	8.830833756	21074.24526
1066.6	0.598538138	3.573512096	0.44073321	0.221531364	0.832153136	0.737182622	8.841066261	21083.08633
1066.8	0.598788333	3.575005866	0.44120291	0.222338386	0.832233839	0.738039823	8.851334668	21091.93766

1067	0.599038805	3.576501284	0.441674179	0.223148105	0.832314811	0.738900041	8.861639185	21100.7993
1067.2	0.599289555	3.577998357	0.442147027	0.223960536	0.832396054	0.739763296	8.871980024	21109.67128
1067.4	0.599540582	3.57949709	0.442621463	0.224775695	0.832477569	0.740629604	8.882357398	21118.55364
1067.6	0.599791888	3.580997489	0.443097495	0.225593597	0.83255936	0.741498983	8.892771521	21127.44641
1067.8	0.600043475	3.582499561	0.443575133	0.226414257	0.832641426	0.742371452	8.90322261	21136.34964
1068	0.600295342	3.58400331	0.444054385	0.227237692	0.832723769	0.743247029	8.913710884	21145.26335
1068.2	0.600547491	3.585508743	0.444535261	0.228063917	0.832806392	0.744125732	8.924236561	21154.18758
1068.4	0.600799924	3.587015865	0.44501777	0.228892948	0.832889295	0.745007579	8.934799865	21163.12238
1068.6	0.60105264	3.588524683	0.445501922	0.229724801	0.83297248	0.74589259	8.945401018	21172.06778
1068.8	0.601305642	3.590035203	0.445987726	0.230559492	0.833055949	0.746780784	8.956040246	21181.02382
1069	0.601558929	3.59154743	0.446475191	0.231397038	0.833139704	0.747672179	8.966717777	21189.99054
1069.2	0.601812504	3.593061371	0.446964327	0.232237455	0.833223745	0.748566794	8.977433839	21198.96798
1069.4	0.602066366	3.594577032	0.447455144	0.233080759	0.833308076	0.74946465	8.988188665	21207.95616
1069.6	0.602320518	3.596094418	0.447947651	0.233926968	0.833392697	0.750365765	8.998982487	21216.95515
1069.8	0.602574959	3.597613537	0.448441858	0.234776098	0.83347761	0.751270159	9.00981554	21225.96496
1070	0.602829692	3.599134393	0.448937776	0.235628166	0.833562817	0.752177852	9.020688062	21234.98565
1070.2	0.603084717	3.600656994	0.449435413	0.236483189	0.833648319	0.753088864	9.031600292	21244.01725
1070.4	0.603340035	3.602181346	0.44993478	0.237341185	0.833734118	0.754003215	9.042552471	21253.0598
1070.6	0.603595648	3.603707455	0.450435888	0.238202171	0.833820217	0.754920925	9.053544841	21262.11335
1070.8	0.603851555	3.605235327	0.450938746	0.239066164	0.833906616	0.755842016	9.064577649	21271.17793
1071	0.60410776	3.606764968	0.451443365	0.239933183	0.833993318	0.756766507	9.075651141	21280.25358
1071.2	0.604364261	3.608296386	0.451949755	0.240803245	0.834080324	0.75769442	9.086765568	21289.34034
1071.4	0.604621062	3.609829587	0.452457927	0.241676368	0.834167637	0.758625776	9.09792118	21298.43826
1071.6	0.604878162	3.611364577	0.45296789	0.24255257	0.834255257	0.759560596	9.109118232	21307.54738
1071.8	0.605135562	3.612901362	0.453479657	0.243431869	0.834343187	0.760498901	9.120356979	21316.66774
1072	0.605393265	3.61443995	0.453993237	0.244314285	0.834431429	0.761440713	9.13163768	21325.79938
1072.2	0.605651271	3.615980346	0.454508641	0.245199835	0.834519984	0.762386053	9.142960595	21334.94234
1072.4	0.60590958	3.617522559	0.455025881	0.246088539	0.834608854	0.763334945	9.154325987	21344.09666
1072.6	0.606168195	3.619066593	0.455544967	0.246980415	0.834698041	0.764287409	9.165734121	21353.2624
1072.8	0.606427117	3.620612457	0.456065911	0.247875482	0.834787548	0.765243468	9.177185263	21362.43958
1073	0.606686345	3.622160156	0.456588723	0.24877376	0.834877376	0.766203146	9.188679684	21371.62826
1073.2	0.606945883	3.623709698	0.457113415	0.249675268	0.834967527	0.767166464	9.200217656	21380.82848
1073.4	0.60720573	3.62526109	0.457639998	0.250580025	0.835058002	0.768133445	9.211799453	21390.04028
1073.6	0.607465888	3.626814338	0.458168484	0.251488052	0.835148805	0.769104113	9.223425351	21399.2637
1073.8	0.607726358	3.628369449	0.458698885	0.252399368	0.835239937	0.770078492	9.23509563	21408.4988
1074	0.607987142	3.629926431	0.459231212	0.253313993	0.835331399	0.771056604	9.246810572	21417.74561
1074.2	0.60824824	3.63148529	0.459765476	0.254231948	0.835423195	0.772038473	9.258570461	21427.00418
1074.4	0.608509653	3.633046034	0.46030169	0.255153252	0.835515325	0.773024124	9.270375584	21436.27456
1074.6	0.608771384	3.63460867	0.460839866	0.256077928	0.835607793	0.774013581	9.282226229	21445.55678
1074.8	0.609033432	3.636173205	0.461380016	0.257005994	0.835700599	0.775006867	9.294122689	21454.85091
1075	0.6092958	3.637739646	0.461922152	0.257937473	0.835793747	0.776004009	9.306065259	21464.15697
1075.2	0.609558489	3.639308	0.462466286	0.258872386	0.835887239	0.77700503	9.318054235	21473.47502
1075.4	0.609821499	3.640878275	0.463012431	0.259810753	0.835981075	0.778009956	9.330089917	21482.80511
1075.6	0.610084832	3.642450478	0.463560599	0.260752597	0.83607526	0.779018812	9.342172608	21492.14729
1075.8	0.610348489	3.644024617	0.464110803	0.261697939	0.836169794	0.780031623	9.354302612	21501.50159
1076	0.610612471	3.645600699	0.464663056	0.2626468	0.83626468	0.781048416	9.366480239	21510.86807
1076.2	0.610876781	3.647178731	0.46521737	0.263599204	0.83635992	0.782069217	9.378705799	21520.24678
1076.4	0.611141418	3.648758722	0.465773759	0.264555172	0.836455517	0.783094051	9.390979605	21529.63776
1076.6	0.611406384	3.650340678	0.466332235	0.265514726	0.836551473	0.784122945	9.403301975	21539.04106
1076.8	0.611671682	3.651924608	0.466892812	0.266477891	0.836647789	0.785155926	9.415673227	21548.45673
1077	0.611937311	3.653510519	0.467455503	0.267444687	0.836744469	0.786193021	9.428093684	21557.88482
1077.2	0.612203273	3.655098419	0.468020322	0.268415139	0.836841514	0.787234257	9.440563672	21567.32539
1077.4	0.612469569	3.656688315	0.468587281	0.269389269	0.836938927	0.788279662	9.453083518	21576.77847

1077.6	0.612736201	3.658280216	0.469156396	0.270367102	0.83703671	0.789329264	9.465653555	21586.24413
1077.8	0.613003171	3.65987413	0.469727679	0.271348661	0.837134866	0.790383089	9.478274116	21595.7224
1078	0.613270478	3.661470064	0.470301144	0.27233397	0.837233397	0.791441167	9.49094554	21605.21334
1078.2	0.613538126	3.663068027	0.470876806	0.273323052	0.837332305	0.792503527	9.503668167	21614.71701
1078.4	0.613806115	3.664668027	0.471454679	0.274315933	0.837431593	0.793570196	9.516442341	21624.23346
1078.6	0.614074446	3.666270071	0.472034777	0.275312637	0.837531264	0.794641205	9.529268409	21633.76272
1078.8	0.614343121	3.667874168	0.472617114	0.276313189	0.837631319	0.795716582	9.542146722	21643.30487
1079	0.614612141	3.669480327	0.473201705	0.277317613	0.837731761	0.796796357	9.555077634	21652.85995
1079.2	0.614881508	3.671088555	0.473788565	0.278325936	0.837832594	0.79788056	9.568061502	21662.42801
1079.4	0.615151223	3.67269886	0.474377709	0.279338182	0.837933818	0.798969221	9.581098686	21672.00911
1079.6	0.615421287	3.674311253	0.474969151	0.280354378	0.838035438	0.800062371	9.59418955	21681.6033
1079.8	0.615691702	3.67592574	0.475562907	0.281374549	0.838137455	0.80116004	9.607334461	21691.21063
1080	0.61596247	3.67754233	0.476158992	0.282398721	0.838239872	0.802262259	9.620533792	21700.83117
1080.2	0.616233591	3.679161032	0.476757421	0.283426921	0.838342692	0.80336906	9.633787916	21710.46495
1080.4	0.616505068	3.680781855	0.47735821	0.284459176	0.838445918	0.804480475	9.647097211	21720.11205
1080.6	0.616776901	3.682404808	0.477961374	0.285495513	0.838549551	0.805596535	9.660462059	21729.77251
1080.8	0.617049092	3.684029898	0.47856693	0.286535958	0.838653596	0.806717273	9.673882845	21739.4464
1081	0.617321643	3.685657135	0.479174894	0.28758054	0.838758054	0.807842721	9.68735996	21749.13376
1081.2	0.617594554	3.687286528	0.479785281	0.288629286	0.838862929	0.808972912	9.700893795	21758.83465
1081.4	0.617867829	3.688918086	0.480398107	0.289682223	0.838968222	0.810107879	9.714484748	21768.54913
1081.6	0.618141467	3.690551817	0.48101339	0.290739381	0.839073938	0.811247657	9.728133219	21778.27727
1081.8	0.618415472	3.692187731	0.481631146	0.291800788	0.839180079	0.812392279	9.741839614	21788.01911
1082	0.618689843	3.693825838	0.482251391	0.292866472	0.839286647	0.813541778	9.75560434	21797.77471
1082.2	0.618964583	3.695466145	0.482874143	0.293936463	0.839393646	0.81469619	9.76942781	21807.54414
1082.4	0.619239693	3.697108664	0.483499419	0.29501079	0.839501079	0.81585555	9.783310441	21817.32745
1082.6	0.619515175	3.698753402	0.484127235	0.296089482	0.839608948	0.817019892	9.797252654	21827.1247
1082.8	0.619791031	3.700400369	0.484757609	0.29717257	0.839717257	0.818189253	9.811254875	21836.93596
1083	0.620067261	3.702049575	0.48539056	0.298260083	0.839826008	0.819363669	9.825317531	21846.76128
1083.2	0.620343868	3.703701029	0.486026104	0.299352053	0.839935205	0.820543174	9.839441058	21856.60072
1083.4	0.620620853	3.705354741	0.486664259	0.300448509	0.840044851	0.821727808	9.853625893	21866.45434
1083.6	0.620898218	3.707010721	0.487305044	0.301549484	0.840154948	0.822917605	9.867872478	21876.32221
1083.8	0.621175964	3.708668978	0.487948477	0.302655008	0.840265501	0.824112605	9.88218126	21886.2044
1084	0.621454094	3.710329522	0.488594576	0.303765113	0.840376511	0.825312844	9.89655269	21896.10095
1084.2	0.621732608	3.711992363	0.489243359	0.304879831	0.840487983	0.826518361	9.910987225	21906.01194
1084.4	0.622011509	3.713657511	0.489894847	0.305999195	0.840599919	0.827729194	9.925485325	21915.93742
1084.6	0.622290797	3.715324977	0.490549057	0.307123236	0.840712324	0.828945382	9.940047456	21925.87747
1084.8	0.622570476	3.716994769	0.49120601	0.308251989	0.840825199	0.830166965	9.954674086	21935.83214
1085	0.622850546	3.718666899	0.491865723	0.309385486	0.840938549	0.831393983	9.969365692	21945.80151
1085.2	0.623131009	3.720341376	0.492528218	0.310523761	0.841052376	0.832626476	9.984122753	21955.78563
1085.4	0.623411867	3.722018212	0.493193513	0.311666848	0.841166685	0.833864483	9.998945754	21965.78458
1085.6	0.623693122	3.723697416	0.493861628	0.312814781	0.841281478	0.835108047	10.01383518	21975.79841
1085.8	0.623974775	3.725378998	0.494532584	0.313967595	0.841396759	0.836357209	10.02879154	21985.8272
1086	0.624256829	3.72706297	0.495206402	0.315125325	0.841512532	0.83761201	10.04381532	21995.87102
1086.2	0.624539284	3.728749343	0.495883101	0.316288006	0.841628801	0.838872494	10.05890703	22005.92993
1086.4	0.624822144	3.730438126	0.496562702	0.317455674	0.841745567	0.840138702	10.07406717	22016.00399
1086.6	0.625105408	3.73212933	0.497245227	0.318628365	0.841862836	0.841410678	10.08929628	22026.09329
1086.8	0.625389081	3.733822967	0.497930697	0.319806115	0.841980611	0.842688465	10.10459486	22036.19788
1087	0.625673162	3.735519048	0.498619133	0.320988961	0.842098896	0.843972109	10.11996344	22046.31785
1087.2	0.625957655	3.737217584	0.499310556	0.322176941	0.842217694	0.845261652	10.13540257	22056.45325
1087.4	0.626242561	3.738918585	0.500004989	0.323365043	0.842336504	0.846556634	10.15090972	22066.60416
1087.6	0.626527881	3.740622063	0.500702454	0.323857617	0.842385762	0.847787082	10.1660623	22076.77022
1087.8	0.626813619	3.742328029	0.501402973	0.324352348	0.842435235	0.849023057	10.18086083	22086.95108
1088	0.627099775	3.744036495	0.502106568	0.324849251	0.842484925	0.8502646	10.19572594	22097.14681

1088.2	0.627386351	3.745747472	0.502813262	0.325348343	0.842534834	0.851511754	10.21065813	22107.35747
1088.4	0.62767335	3.747460971	0.503523079	0.32584964	0.842584964	0.852764561	10.22565789	22117.58313
1088.6	0.627960774	3.749177006	0.504236042	0.326353159	0.842635316	0.854023064	10.24072575	22127.82385
1088.8	0.628248624	3.750895586	0.504952174	0.326858916	0.842685892	0.855287306	10.25586222	22138.07971
1089	0.628536903	3.752616724	0.505671498	0.327366927	0.842736693	0.856557331	10.27106782	22148.35078
1089.2	0.628825612	3.754340433	0.50639404	0.327877211	0.842787721	0.857833184	10.28634309	22158.63712
1089.4	0.629114753	3.756066723	0.507119822	0.328389784	0.842838978	0.85911491	10.30168856	22168.93881
1089.6	0.629404329	3.757795608	0.507848871	0.328904663	0.842890466	0.860402553	10.31710477	22179.25592
1089.8	0.629694342	3.759527099	0.50858121	0.329421866	0.842942187	0.861696159	10.33259227	22189.58851
1090	0.629984793	3.761261208	0.509316864	0.32994141	0.842994141	0.862995776	10.34815161	22199.93666
1090.2	0.630275685	3.762997949	0.510055859	0.330463314	0.843046331	0.864301449	10.36378335	22210.30044
1090.4	0.63056702	3.764737333	0.510798221	0.330987596	0.84309876	0.865613226	10.37948805	22220.67993
1090.6	0.630858799	3.766479374	0.511543975	0.331514273	0.843151427	0.866931155	10.39526629	22231.0752
1090.8	0.631151026	3.768224084	0.512293147	0.332043364	0.843204336	0.868255285	10.41111864	22241.48632
1091	0.631443701	3.769971475	0.513045765	0.332574888	0.843257489	0.869585663	10.42704569	22251.91336
1091.2	0.631736829	3.771721562	0.513801853	0.333108864	0.843310886	0.87092234	10.44304802	22262.35641
1091.4	0.632030409	3.773474356	0.514561441	0.333645311	0.843364531	0.872265365	10.45912623	22272.81554
1091.6	0.632324446	3.775229871	0.515324554	0.334184248	0.843418425	0.87361479	10.47528093	22283.29082
1091.8	0.63261894	3.77698812	0.516091221	0.334725695	0.843472569	0.874970665	10.49151273	22293.78233
1092	0.632913895	3.778749117	0.51686147	0.335269671	0.843526967	0.876333042	10.50782224	22304.29015
1092.2	0.633209312	3.780512875	0.517635328	0.335816196	0.84358162	0.877701972	10.52421008	22314.81436
1092.4	0.633505194	3.782279408	0.518412824	0.33636529	0.843636529	0.87907751	10.5406769	22325.35504
1092.6	0.633801542	3.784048729	0.519193987	0.336916975	0.843691697	0.880459709	10.55722332	22335.91226
1092.8	0.634098361	3.785820852	0.519978847	0.33747127	0.843747127	0.881848622	10.57384999	22346.48611
1093	0.63439565	3.787595791	0.520767432	0.338028196	0.84380282	0.883244305	10.59055756	22357.07667
1093.2	0.634693414	3.789373561	0.521559773	0.338587774	0.843858777	0.884646812	10.6073467	22367.68402
1093.4	0.634991655	3.791154174	0.522355899	0.339150026	0.843915003	0.8860562	10.62421807	22378.30824
1093.6	0.635290374	3.792937647	0.523155842	0.339714973	0.843971497	0.887472525	10.64117235	22388.94941
1093.8	0.635589574	3.794723992	0.523959632	0.340282637	0.844028264	0.888895844	10.65821021	22399.60762
1094	0.635889258	3.796513225	0.5247673	0.34085304	0.844085304	0.890326216	10.67533236	22410.28295
1094.2	0.636189428	3.79830536	0.525578878	0.341426205	0.84414262	0.891763698	10.69253948	22420.97549
1094.4	0.636490086	3.800100411	0.526394398	0.342002153	0.844200215	0.893208351	10.7098323	22431.68532
1094.6	0.636791236	3.801898395	0.527213892	0.342580908	0.844258091	0.894660234	10.72721151	22442.41253
1094.8	0.637092879	3.803699325	0.528037393	0.343162493	0.844316249	0.896119408	10.74467786	22453.15721
1095	0.637395018	3.805503218	0.528864934	0.343746931	0.844374693	0.897585935	10.76223206	22463.91944
1095.2	0.637697656	3.807310088	0.529696548	0.344334246	0.844433425	0.899059876	10.77987486	22474.69932
1095.4	0.638000796	3.80911995	0.53053227	0.344924461	0.844492446	0.900541293	10.79760701	22485.49693
1095.6	0.638304439	3.810932821	0.531372133	0.345517601	0.84455176	0.902030252	10.81542927	22496.31236
1095.8	0.638608588	3.812748716	0.532216171	0.34611369	0.844611369	0.903526816	10.83334241	22507.1457
1096	0.638913247	3.81456765	0.533064421	0.346712753	0.844671275	0.905031051	10.8513472	22517.99704
1096.2	0.639218418	3.816389641	0.533916917	0.347314815	0.844731482	0.906543022	10.86944443	22528.86649
1096.4	0.639524103	3.818214703	0.534773696	0.347919902	0.84479199	0.908062795	10.8876349	22539.75412
1096.6	0.639830305	3.820042853	0.535634793	0.348528039	0.844852804	0.90959044	10.90591941	22550.66004
1096.8	0.640137027	3.821874108	0.536500246	0.349139251	0.844913925	0.911126023	10.92429877	22561.58434
1097	0.640444272	3.823708484	0.537370091	0.349753566	0.844975357	0.912669614	10.94277382	22572.52712
1097.2	0.640752043	3.825545998	0.538244367	0.350371009	0.845037101	0.914221284	10.96134539	22583.48846
1097.4	0.641060342	3.827386667	0.539123111	0.350991609	0.845099161	0.915781102	10.98001431	22594.46848
1097.6	0.641369172	3.829230507	0.540006361	0.351615391	0.845161539	0.917349141	10.99878146	22605.46726
1097.8	0.641678537	3.831077536	0.540894158	0.352242383	0.845224238	0.918925474	11.01764769	22616.48491
1098	0.641988438	3.832927771	0.54178654	0.352872614	0.845287261	0.920510174	11.03661389	22627.52152
1098.2	0.642298879	3.83478123	0.542683547	0.353506111	0.845350611	0.922103315	11.05568093	22638.5772
1098.4	0.642609864	3.83663793	0.54358522	0.354142904	0.84541429	0.923704973	11.07484973	22649.65205
1098.6	0.642921394	3.838497889	0.544491599	0.35478302	0.845478302	0.925315224	11.09412118	22660.74617

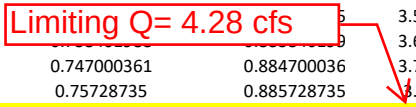
1098.8	0.643233473	3.840361125	0.545402727	0.35542649	0.845542649	0.926934146	11.11349622	22671.85967
1099	0.643546103	3.842227656	0.546318645	0.356073343	0.845607334	0.928561817	11.13297578	22682.99264
1099.2	0.643859289	3.8440975	0.547239396	0.356723609	0.845672361	0.930198316	11.1525608	22694.1452
1099.4	0.644173033	3.845970677	0.548165022	0.357377318	0.845737732	0.931843724	11.17225224	22705.31746
1099.6	0.644487338	3.847847203	0.549095568	0.358034501	0.84580345	0.933498121	11.19205107	22716.50951
1099.8	0.644802207	3.8497271	0.550031077	0.35869519	0.845869519	0.935161591	11.21195827	22727.72147
1100	0.645117644	3.851610384	0.550971594	0.359359416	0.845935942	0.936834216	11.23197484	22738.95344
1100.2	0.645433652	3.853497076	0.551917165	0.36002721	0.846002721	0.938516081	11.25210178	22750.20554
1100.4	0.645750234	3.855387195	0.552867835	0.360698606	0.846069861	0.940207272	11.27234012	22761.47788
1100.6	0.646067392	3.85728076	0.553823651	0.361373636	0.846137364	0.941907876	11.29269089	22772.77057
1100.8	0.646385132	3.859177791	0.554784659	0.362052333	0.846205233	0.94361798	11.31315514	22784.08373
1101	0.646703455	3.861078309	0.555750907	0.362734731	0.846273473	0.945337674	11.33373392	22795.41746
1101.2	0.647022366	3.862982332	0.556722444	0.363420864	0.846342086	0.947067047	11.35442832	22806.77189
1101.4	0.647341867	3.864889882	0.557699319	0.364110767	0.846411077	0.94880619	11.37523942	22818.14713
1101.6	0.647661962	3.866800979	0.55868158	0.364804473	0.846480447	0.950555198	11.39616833	22829.5433
1101.8	0.647982655	3.868715644	0.559669279	0.36550202	0.846550202	0.952314163	11.41721617	22840.96051
1102	0.648303949	3.870633897	0.560662465	0.366203442	0.846620344	0.95408318	11.43838406	22852.3989
1102.2	0.648625847	3.87255576	0.56166119	0.366908777	0.846690878	0.955862347	11.45967316	22863.85857
1102.4	0.648948354	3.874481254	0.562665508	0.36761806	0.846761806	0.95765176	11.48108464	22875.33966
1102.6	0.649271473	3.8764104	0.563675469	0.36833133	0.846833133	0.959451518	11.50261966	22886.84228
1102.8	0.649595207	3.878343221	0.564691129	0.369048624	0.846904862	0.961261722	11.52427944	22898.36656
1103	0.64991956	3.880279739	0.565712541	0.36976998	0.846976998	0.963082474	11.54606517	22909.91262
1103.2	0.650244535	3.882219974	0.56673976	0.370495437	0.847049544	0.964913876	11.5679781	22921.4806
1103.4	0.650570138	3.884163951	0.567772842	0.371225035	0.847122504	0.966756034	11.59001946	22933.07062
1103.6	0.650896371	3.886111691	0.568811843	0.371958814	0.847195881	0.968609052	11.61219051	22944.68281
1103.8	0.651223238	3.888063218	0.569856822	0.372696814	0.847269681	0.970473039	11.63449255	22956.3173
1104	0.651550743	3.890018555	0.570907835	0.373439076	0.847343908	0.972348104	11.65692686	22967.97423
1104.2	0.65187889	3.891977724	0.571964942	0.374185641	0.847418564	0.974234356	11.67949476	22979.65372
1104.4	0.652207683	3.89394075	0.573028202	0.374936552	0.847493655	0.976131909	11.70219759	22991.35592
1104.6	0.652537126	3.895907657	0.574097676	0.375691851	0.847569185	0.978040874	11.7250367	23003.08096
1104.8	0.652867223	3.897878467	0.575173426	0.376451583	0.847645158	0.979961369	11.74801346	23014.82897
1105	0.653197978	3.899853207	0.576255513	0.37721579	0.847721579	0.981893508	11.77112926	23026.6001
1105.2	0.653529395	3.9018319	0.577344	0.377984517	0.847798452	0.983837412	11.79438552	23038.39449
1105.4	0.653861479	3.903814572	0.578438952	0.37875781	0.847875781	0.9857932	11.81778367	23050.21227
1105.6	0.654194233	3.905801247	0.579540433	0.379535714	0.847953571	0.987760993	11.84132516	23062.05359
1105.8	0.654527662	3.907791951	0.580648509	0.380318275	0.848031828	0.989740916	11.86501146	23073.91861
1106	0.65486177	3.909786709	0.581763247	0.381105541	0.848110554	0.991733095	11.88884407	23085.80745
1106.2	0.655196561	3.911785547	0.582884714	0.38189756	0.848189756	0.993737655	11.9128245	23097.72027
1106.4	0.65553204	3.913788493	0.584012979	0.38269438	0.848269438	0.995754727	11.93695429	23109.65723
1106.6	0.655868212	3.915795571	0.585148112	0.38349605	0.848349605	0.997784441	11.96123501	23121.61846
1106.8	0.65620508	3.91780681	0.586290183	0.38430262	0.848430262	0.999826931	11.98566824	23133.60413
1107	0.65654265	3.919822235	0.587439265	0.385114141	0.848511414	1.001882331	12.01025558	23145.61439
1107.2	0.656880925	3.921841875	0.588595428	0.385930663	0.848593066	1.003950779	12.03499866	23157.64939
1107.4	0.657219911	3.923865757	0.589758748	0.38675224	0.848675224	1.006032412	12.05989915	23169.70928
1107.6	0.657559612	3.925893909	0.5909293	0.387578924	0.848757892	1.008127373	12.08495871	23181.79424
1107.8	0.657900033	3.927926359	0.592107158	0.388410768	0.848841077	1.010235804	12.11017907	23193.90442
1108	0.658241179	3.929963137	0.593292401	0.389247827	0.848924783	1.012357852	12.13556194	23206.03998
1108.2	0.658583055	3.93200427	0.594485106	0.390090157	0.849009016	1.014493662	12.16110908	23218.20109
1108.4	0.658925665	3.934049789	0.595685353	0.390937813	0.849093781	1.016643386	12.18682229	23230.38792
1108.6	0.659269014	3.936099723	0.596893223	0.391790852	0.849179085	1.018807174	12.21270336	23242.60062
1108.8	0.659613108	3.938154101	0.598108797	0.392649332	0.849264933	1.020985183	12.23875414	23254.83937
1109	0.659957952	3.940212954	0.599332158	0.393513312	0.849351331	1.023177568	12.2649765	23267.10435
1109.2	0.66030355	3.942276313	0.600563391	0.394382851	0.849438285	1.025384489	12.29137234	23279.39572

1109.4	0.660649908	3.944344209	0.601802581	0.395258009	0.849525801	1.027606107	12.31794357	23291.71367
1109.6	0.660997031	3.946416673	0.603049815	0.396138849	0.849613885	1.029842587	12.34469216	23304.05836
1109.8	0.661344924	3.948493736	0.604305181	0.397025432	0.849702543	1.032094095	12.37162009	23316.42998
1110	0.661693594	3.950575432	0.60556877	0.397917822	0.849791782	1.034360802	12.39872938	23328.82871
1110.2	0.662043044	3.952661791	0.606840671	0.398816083	0.849881608	1.036642879	12.42602209	23341.25473
1110.4	0.662393282	3.954752848	0.608120979	0.39972028	0.849972028	1.038940501	12.45350028	23353.70823
1110.6	0.662744311	3.956848635	0.609409785	0.400630479	0.850063048	1.041253846	12.48116608	23366.1894
1110.8	0.663096139	3.958949186	0.610707186	0.401546749	0.850154675	1.043583095	12.50902165	23378.69842
1111	0.66344877	3.961054535	0.612013279	0.402469157	0.850246916	1.04592843	12.53706915	23391.23549
1111.2	0.66380221	3.963164717	0.613328163	0.403397772	0.850339777	1.04829004	12.56531082	23403.8008
1111.4	0.664156466	3.965279765	0.614651936	0.404332667	0.850433267	1.050668112	12.59374891	23416.39455
1111.6	0.664511543	3.967399717	0.615984701	0.405273911	0.850527391	1.05306284	12.62238571	23429.01693
1111.8	0.664867447	3.969524607	0.617326561	0.406221579	0.850622158	1.055474419	12.65122356	23441.66816
1112	0.665224184	3.971654471	0.618677621	0.407175744	0.850717574	1.05790305	12.68026481	23454.34842
1112.2	0.665581761	3.973789346	0.620037988	0.408136482	0.850813648	1.060348933	12.70951189	23467.05793
1112.4	0.665940183	3.97592927	0.62140777	0.409103869	0.850910387	1.062812274	12.73896724	23479.7969
1112.6	0.666299457	3.978074279	0.622787077	0.410077983	0.851007798	1.065293284	12.76863335	23492.56553
1112.8	0.666659589	3.980224412	0.624176021	0.411058903	0.85110589	1.067792175	12.79851275	23505.36405
1113	0.667020586	3.982379707	0.625574716	0.41204671	0.851204671	1.070309162	12.82860802	23518.19265
1113.2	0.667382454	3.984540203	0.626983278	0.413041485	0.851304149	1.072844466	12.85892177	23531.05158
1113.4	0.6677452	3.986705939	0.628401825	0.414043312	0.851404331	1.075398312	12.88945667	23543.94103
1113.6	0.66810883	3.988876957	0.629830476	0.415052275	0.851505227	1.077970926	12.92021542	23556.86125
1113.8	0.668473351	3.991053295	0.631269354	0.41606846	0.851606846	1.080562539	12.95120079	23569.81245
1114	0.66883877	3.993234995	0.632718581	0.417091954	0.851709195	1.083173389	12.98241557	23582.79486
1114.2	0.669205095	3.995422099	0.634178284	0.418122846	0.851812285	1.085803714	13.01386262	23595.80873
1114.4	0.669572332	3.997614648	0.635648591	0.419161228	0.851916123	1.088453758	13.04554483	23608.85427
1114.6	0.669940487	3.999812686	0.637129632	0.42020719	0.852020719	1.09112377	13.07746517	23621.93174
1114.8	0.67030957	4.002016255	0.63862154	0.421260827	0.852126083	1.093814003	13.10962664	23635.04136
1115	0.670679586	4.004225399	0.640124449	0.422322233	0.852232223	1.096524712	13.14203229	23648.1834
1115.2	0.671050543	4.006440163	0.641638498	0.423391506	0.852339151	1.099256161	13.17468524	23661.35808
1115.4	0.671422449	4.008660592	0.643163825	0.424468745	0.852446875	1.102008615	13.20758866	23674.56567
1115.6	0.671795312	4.01088673	0.644700573	0.42555405	0.852555405	1.104782346	13.24074577	23687.80642
1115.8	0.672169139	4.013118625	0.646248887	0.426647522	0.852664752	1.107577631	13.27415986	23701.08058
1116	0.672543937	4.015356323	0.647808913	0.427749266	0.852774927	1.110394749	13.30783428	23714.38841
1116.2	0.672919716	4.017599872	0.649380803	0.428859389	0.852885939	1.113233989	13.34177243	23727.73018
1116.4	0.673296482	4.019849319	0.650964707	0.429977997	0.8529978	1.116095641	13.37597778	23741.10616
1116.6	0.673674245	4.022104713	0.652560783	0.4311052	0.85311052	1.118980003	13.41045386	23754.51661
1116.8	0.674053012	4.024366105	0.654169188	0.432241111	0.853224111	1.121887377	13.44520428	23767.96182
1117	0.674432792	4.026633543	0.655790083	0.433385843	0.853338584	1.124818072	13.48023269	23781.44205
1117.2	0.674813594	4.02890708	0.657423633	0.434539512	0.853453951	1.127772402	13.51554284	23794.95759
1117.4	0.675195425	4.031186766	0.659070004	0.435702237	0.853570224	1.130750688	13.55113854	23808.50873
1117.6	0.675578295	4.033472654	0.660729368	0.436874137	0.853687414	1.133753255	13.58702365	23822.09576
1117.8	0.675962213	4.035764796	0.662401898	0.438055335	0.853805533	1.136780436	13.62320214	23835.71896
1118	0.676347187	4.038063248	0.66408777	0.439245956	0.853924596	1.13983257	13.65967804	23849.37864
1118.2	0.676733228	4.040368063	0.665787165	0.440446127	0.854044613	1.142910003	13.69645544	23863.07509
1118.4	0.677120343	4.042679296	0.667500267	0.441655979	0.854165598	1.146013087	13.73353854	23876.80863
1118.6	0.677508543	4.044997005	0.669227263	0.442875642	0.854287564	1.149142181	13.77093161	23890.57956
1118.8	0.677897837	4.047321246	0.670968343	0.444105253	0.854410525	1.152297652	13.808639	23904.3882
1119	0.678288235	4.049652077	0.672723702	0.445344948	0.854534495	1.155479873	13.84666515	23918.23487
1119.2	0.678679746	4.051989557	0.674493538	0.446594868	0.854659487	1.158689226	13.88501459	23932.11988
1119.4	0.679072381	4.054333745	0.676278055	0.447855155	0.854785515	1.161926098	13.92369194	23946.04357
1119.6	0.67946615	4.056684702	0.678077457	0.449125954	0.854912595	1.165190886	13.96270191	23960.00627
1119.8	0.679861063	4.05904249	0.679891955	0.450407416	0.855040742	1.168483996	14.0020493	23974.00832

1120	0.68025713	4.061407171	0.681721765	0.45169969	0.855169969	1.17180584	14.04173902	23988.05006
1120.2	0.680654363	4.063778809	0.683567104	0.453002932	0.855300293	1.17515684	14.08177608	24002.13184
1120.4	0.681052772	4.066157468	0.685428196	0.454317299	0.85543173	1.178537424	14.12216558	24016.254
1120.6	0.681452367	4.068543213	0.687305268	0.455642953	0.855564295	1.181948034	14.16291275	24030.41692
1120.8	0.681853161	4.07093611	0.689198555	0.456980057	0.855698006	1.185389116	14.2040229	24044.62094
1121	0.682255164	4.073336228	0.691108292	0.458328779	0.855832878	1.188861128	14.24550147	24058.86644
1121.2	0.682658387	4.075743635	0.693034722	0.45968929	0.855968929	1.192364539	14.287354	24073.15379
1121.4	0.683062844	4.078158401	0.694978092	0.461061765	0.856106177	1.195899824	14.32958618	24087.48338
1121.6	0.683468544	4.080580596	0.696938655	0.462446382	0.856244638	1.199467472	14.37220378	24101.85558
1121.8	0.683875501	4.083010292	0.698916668	0.463843323	0.856384332	1.203067981	14.41521272	24116.2708
1122	0.684283727	4.085447563	0.700912395	0.465252775	0.856525277	1.20670186	14.45861905	24130.72942
1122.2	0.684693234	4.087892482	0.702926106	0.466674926	0.856667493	1.210369628	14.50242893	24145.23185
1122.4	0.685104034	4.090345126	0.704958073	0.468109972	0.856810997	1.214071818	14.54664867	24159.77849
1122.6	0.685516142	4.092805571	0.707008579	0.469558109	0.856955811	1.217808971	14.59128473	24174.36978
1122.8	0.685929569	4.095273896	0.70907791	0.471019542	0.857101954	1.221581645	14.6363437	24189.00612
1123	0.686344329	4.097750179	0.711166358	0.472494477	0.857249448	1.225390406	14.6818323	24203.68795
1123.2	0.686760435	4.100234502	0.713274225	0.473983124	0.857398312	1.229235834	14.72775744	24218.41571
1123.4	0.687177902	4.102726947	0.715401815	0.475485702	0.85754857	1.233118525	14.77412616	24233.18984
1123.6	0.687596744	4.105227598	0.717549442	0.47700243	0.857700243	1.237039084	14.82094566	24248.01078
1123.8	0.688016974	4.107736539	0.719717426	0.478533535	0.857853353	1.240998134	14.86822331	24262.87901
1124	0.688438607	4.110253857	0.721906094	0.480079248	0.858007925	1.24499631	14.91596667	24277.79497
1124.2	0.688861658	4.112779641	0.724115781	0.481639805	0.85816398	1.249034263	14.96418344	24292.75916
1124.4	0.689286142	4.115313979	0.72634683	0.483215448	0.858321545	1.253112657	15.01288152	24307.77204
1124.6	0.689712074	4.117856964	0.72859959	0.484806426	0.858480643	1.257232175	15.062069	24322.83411
1124.8	0.690139469	4.120408688	0.730874422	0.48641299	0.858641299	1.261393515	15.11175414	24337.94586
1125	0.690568345	4.122969246	0.733171691	0.4880354	0.85880354	1.265597391	15.16194544	24353.10781
1125.2	0.690998716	4.125538734	0.735491773	0.489673922	0.858967392	1.269844534	15.21265155	24368.32046
1125.4	0.691430599	4.12811725	0.737835053	0.491328827	0.859132883	1.274135695	15.26388138	24383.58434
1125.6	0.691864012	4.130704895	0.740201924	0.493000393	0.859300039	1.27847164	15.31564401	24398.89998
1125.8	0.69229897	4.133301769	0.74259279	0.494688905	0.859468891	1.282853157	15.36794878	24414.26793
1126	0.692735491	4.135907978	0.745008064	0.496394655	0.859639465	1.287281051	15.42080525	24429.68874
1126.2	0.693173594	4.138523626	0.747448169	0.498117941	0.859811794	1.29175615	15.47422321	24445.16296
1126.4	0.693613296	4.141148822	0.749913538	0.49985907	0.859985907	1.2962793	15.5282127	24460.69117
1126.6	0.694054615	4.143783674	0.752404617	0.500740426	0.860074043	1.300718597	15.58198738	24476.27316
1126.8	0.694497571	4.146428296	0.754921859	0.50159914	0.860159914	1.305200578	15.63551505	24491.90868
1127	0.694942182	4.149082802	0.757465733	0.50246694	0.860246694	1.309730858	15.68958862	24507.59827
1127.2	0.695388468	4.151747307	0.760036716	0.503343987	0.860334399	1.314310319	15.74424707	24523.34251
1127.4	0.695836448	4.154421931	0.7626353	0.504230449	0.860423045	1.318939864	15.7995011	24539.14201
1127.6	0.696286144	4.157106795	0.765261988	0.505126499	0.86051265	1.323620418	15.85536169	24554.99738
1127.8	0.696737576	4.159802022	0.767917297	0.506032313	0.860603231	1.328352935	15.91184012	24570.90922
1128	0.697190764	4.162507738	0.770601757	0.506948071	0.860694807	1.33313839	15.96894795	24586.87816
1128.2	0.697645731	4.165224073	0.773315911	0.507873958	0.860787396	1.337977785	16.02669705	24602.90486
1128.4	0.698102499	4.167951158	0.77606032	0.508810166	0.860881017	1.34287215	16.08509961	24618.98996
1128.6	0.698561089	4.170689127	0.778835555	0.509756891	0.860975689	1.347822541	16.14416815	24635.13413
1128.8	0.699021526	4.173438116	0.781642205	0.510714332	0.861071433	1.352830046	16.20391552	24651.33804
1129	0.699483831	4.176198267	0.784480877	0.511682696	0.86116827	1.357895779	16.26435495	24667.6024
1129.2	0.699948031	4.178969721	0.78735219	0.512662196	0.86126622	1.363020887	16.32549999	24683.9279
1129.4	0.700414147	4.181752626	0.790256784	0.513653049	0.861365305	1.368206549	16.38736461	24700.31526
1129.6	0.700882207	4.184547129	0.793195315	0.514655478	0.861465548	1.373453977	16.44996316	24716.76523
1129.8	0.701352235	4.187353385	0.796168457	0.515669715	0.861566972	1.378764417	16.51331037	24733.27854
1130	0.701824258	4.190171548	0.799176905	0.516695996	0.8616696	1.384139152	16.57742142	24749.85596
1130.2	0.702298301	4.193001778	0.802221373	0.517734564	0.861773456	1.389579501	16.64231192	24766.49827
1130.4	0.702774393	4.195844239	0.805302593	0.51878567	0.861878567	1.395086821	16.70799793	24783.20627

1130.6	0.703252562	4.198699096	0.808421323	0.519849572	0.861984957	1.400662509	16.77449598	24799.98076
1130.8	0.703732836	4.201566522	0.811578339	0.520926534	0.862092653	1.406308004	16.84182308	24816.82259
1131	0.704215244	4.20444669	0.814774442	0.52201683	0.862201683	1.412024789	16.90999676	24833.73258
1131.2	0.704699816	4.20733978	0.818010457	0.523120742	0.862312074	1.41781439	16.97903508	24850.71162
1131.4	0.705186583	4.210245973	0.821287232	0.524238558	0.862423856	1.42367838	17.04895662	24867.76058
1131.6	0.705675576	4.213165459	0.824605643	0.525370577	0.862537058	1.429618379	17.11978055	24884.88036
1131.8	0.706166828	4.216098428	0.827966591	0.526517108	0.862651711	1.43563606	17.19152664	24902.07188
1132	0.706660371	4.219045078	0.831371006	0.527678466	0.862767847	1.441733147	17.26421524	24919.3361
1132.2	0.707156239	4.222005611	0.834819846	0.528854979	0.862885498	1.447911417	17.33786738	24936.67397
1132.4	0.707654467	4.224980232	0.8383141	0.530046984	0.863004698	1.454172704	17.41250473	24954.08647
1132.6	0.708155091	4.227969153	0.841854788	0.53125483	0.863125483	1.460518904	17.48814965	24971.57462
1132.8	0.708658146	4.230972593	0.845442962	0.532478874	0.863247887	1.46695197	17.56482525	24989.13945
1133	0.70916367	4.233990773	0.849079709	0.533719489	0.863371949	1.473473923	17.64255536	25006.782
1133.2	0.709671701	4.237023922	0.852766152	0.534977056	0.863497706	1.480086848	17.72136462	25024.50337
1133.4	0.710182279	4.240072276	0.856503449	0.536251971	0.863625197	1.4867929	17.80127849	25042.30464
1133.6	0.710695443	4.243136074	0.860292799	0.537544643	0.863754464	1.493594308	17.88232325	25060.18697
1133.8	0.711211236	4.246215565	0.864135438	0.538855494	0.863885549	1.500493377	17.96452611	25078.15149
1134	0.7117297	4.249311003	0.868032648	0.540184961	0.864018496	1.507492489	18.0479152	25096.19941
1134.2	0.712250879	4.252422649	0.871985752	0.541533495	0.86415335	1.514594112	18.1325196	25114.33193
1134.4	0.712774817	4.25555077	0.875996121	0.542901564	0.864290156	1.521800797	18.21836945	25132.5503
1134.6	0.713301562	4.258695644	0.880065172	0.544289652	0.864428965	1.52911519	18.30549592	25150.85579
1134.8	0.713831159	4.261857554	0.884194373	0.545698258	0.864569826	1.536540027	18.3939313	25169.24972
1135	0.714363659	4.265036791	0.888385244	0.547127903	0.86471279	1.544078148	18.48370905	25187.73343
1135.2	0.714899112	4.268233658	0.892639363	0.548579123	0.864857912	1.551732493	18.57486385	25206.3083
1135.4	0.715437569	4.271448462	0.89695836	0.550052475	0.865005248	1.559506113	18.66743164	25224.97573
1135.6	0.715979084	4.274681522	0.901343931	0.551548538	0.865154854	1.567402174	18.76144972	25243.73718
1135.8	0.716523712	4.277933168	0.905797831	0.55306791	0.865306791	1.575423959	18.8569568	25262.59414
1136	0.717071509	4.281203736	0.910321884	0.554611214	0.865461121	1.583574879	18.95399302	25281.54813
1136.2	0.717622534	4.284493576	0.914917982	0.556179095	0.865617909	1.591858476	19.05260013	25300.60073
1136.4	0.718176847	4.287803048	0.919588092	0.557772223	0.865777222	1.600278433	19.15282145	25319.75355
1136.6	0.718734511	4.291132522	0.924334257	0.559391296	0.86593913	1.608838575	19.25470205	25339.00825
1136.8	0.719295589	4.294482382	0.929158599	0.561037039	0.866103704	1.617542885	19.35828876	25358.36654
1137	0.719860147	4.297853023	0.934063327	0.562710203	0.86627102	1.626395503	19.46363033	25377.83017
1137.2	0.720428255	4.301244854	0.939050741	0.564411575	0.866441157	1.635400744	19.57077748	25397.40095
1137.4	0.720999983	4.304658296	0.944123231	0.566141968	0.866614197	1.644563097	19.67978304	25417.08073
1137.6	0.721575403	4.308093788	0.94928329	0.567902235	0.866790223	1.653887245	19.79070206	25436.87143
1137.8	0.722154593	4.31155178	0.954533515	0.569693259	0.866969326	1.663378069	19.90359188	25456.77503
1138	0.722737629	4.31503274	0.959876612	0.571515966	0.867151597	1.673040658	20.01851236	25476.79354
1138.2	0.723324593	4.318537151	0.965315405	0.573371318	0.867337132	1.682880329	20.13552592	25496.92906
1138.4	0.723915569	4.322065516	0.970852843	0.57526032	0.867526032	1.69290263	20.25469775	25517.18376
1138.6	0.724510645	4.325618353	0.976492002	0.577184024	0.867718402	1.703113361	20.37609594	25537.55986
1138.8	0.725109909	4.329196202	0.982236099	0.579143525	0.867914352	1.713518584	20.49979167	25558.05965
1139	0.725713457	4.332799622	0.988088497	0.58113997	0.868113997	1.724124644	20.62585937	25578.68551
1139.2	0.726321384	4.336429193	0.994052713	0.583174561	0.868317456	1.734938179	20.75437694	25599.43989
1139.4	0.726933793	4.340085519	1.000132429	0.585227799	0.86852278	1.745961973	20.88540091	25620.32529
1139.6	0.727550788	4.343769225	1.006331503	0.586371022	0.868637102	1.75701513	21.01786262	25641.34315
1139.8	0.728172478	4.347480963	1.012653977	0.587537001	0.8687537	1.768291248	21.15183827	25662.49499
1140	0.728798977	4.351221412	1.019104092	0.58872652	0.868872652	1.779798067	21.28853589	25683.78352
1140.2	0.729430403	4.354991278	1.025686299	0.589940399	0.86899404	1.791543714	21.42805069	25705.21157
1140.4	0.73006688	4.358791297	1.032405273	0.591179501	0.86911795	1.803536728	21.57048266	25726.78206
1140.6	0.730708535	4.362622237	1.039265928	0.592444731	0.869244473	1.815786089	21.7159369	25748.49799
1140.8	0.731355503	4.366484897	1.046273433	0.593737043	0.869373704	1.828301246	21.86452401	25770.36252
1141	0.732007925	4.370380115	1.053433232	0.59505744	0.869505744	1.841092154	22.01636041	25792.37888

1141.2	0.732665946	4.374308763	1.060751059	0.596406981	0.869640698	1.854169305	22.17156876	25814.55045
1141.4	0.73332972	4.378271758	1.068232961	0.597786781	0.869778678	1.867543769	22.33027844	25836.88073
1141.6	0.733999406	4.382270055	1.075885323	0.599198016	0.869919802	1.881227233	22.49262601	25859.37335
1141.8	0.734675174	4.386304657	1.083714888	0.600641931	0.870064193	1.895232055	22.65875573	25882.03211
1142	0.735357198	4.390376615	1.091728788	0.60211984	0.870211984	1.909571303	22.82882015	25904.86093
1142.2	0.736045664	4.394487033	1.09993457	0.603633136	0.870363314	1.924258821	23.00298074	25927.86391
1142.4	0.736740766	4.398637071	1.108340233	0.605183294	0.870518329	1.939309281	23.18140861	25951.04532
1142.6	0.737442709	4.402827948	1.116954261	0.606771878	0.870677188	1.954738256	23.36428522	25974.4096
1142.8	0.738151706	4.407060948	1.125785663	0.608400549	0.870840055	1.970562289	23.55180327	25997.9614
1143	0.738867986	4.411337424	1.134844014	0.610071075	0.871007107	1.986798977	23.7441676	26021.70557
1143.2	0.739591787	4.415658805	1.144139509	0.611785334	0.871178533	2.003467056	23.9415962	26045.64717
1143.4	0.740323361	4.420026597	1.153683008	0.613545329	0.871354533	2.020586507	24.14432138	26069.79149
1143.6	0.741062977	4.424442398	1.163486103	0.615353199	0.87153532	2.038178658	24.35259099	26094.14408
1143.8	0.741810917	4.428907898	1.173561176	0.617211226	0.871721123	2.056266313	24.56666983	26118.71075
1144	0.742567481	4.433424888	1.183921479	0.619121855	0.871912186	2.074873884	24.78684118	26143.49759
1144.2	0.743332988	4.437995272	1.19458121	0.621087704	0.87210877	2.094027548	25.01340859	26168.511
1144.4	0.744107778	4.442621077	1.205555607	0.623111583	0.872311158	2.113755412	25.24669776	26193.7577
1144.6	0.744892211	4.447304458	1.21686105	0.625196513	0.872519651	2.13408771	25.48705873	26219.24476
1144.8	0.745686674	4.45204772	1.228515178	0.627345747	0.872734575	2.15505702	25.73486838	26244.97963
1145	0.746491579	4.456853324	1.240537018	0.629562794	0.872956279	2.176698504	25.99053315	26270.97016
1145.2	0.747307367	4.461723907	1.252947131	0.631851445	0.873185145	2.199050192	26.25449218	26297.22465
1145.4	0.748134513	4.466662297	1.265767786	0.634215808	0.873421581	2.222153291	26.52722089	26323.75187
1145.6	0.748973526	4.471671539	1.279023148	0.636660339	0.873666034	2.246052552	26.80923506	26350.56111
1145.8	0.749824955	4.476754913	1.292739497	0.639189884	0.873918988	2.270796682	27.10109541	26377.6622
1146	0.750689394	4.481915961	1.306945483	0.641809727	0.874180973	2.296438817	27.40341299	26405.06562
1146.2	0.751567486	4.48715852	1.32167242	0.644525643	0.874452564	2.323037072	27.71685533	26432.78247
1146.4	0.752459929	4.492486759	1.336954618	0.647343959	0.874734396	2.350655182	28.04215352	26460.82462
1146.6	0.753367482	4.497905215	1.352829784	0.65027163	0.875027163	2.379363243	28.38011055	26489.20473
1146.8	0.754290976	4.503418845	1.36933948	0.653316319	0.875331632	2.409238585	28.73161097	26517.93635
1147	0.755231321	4.509033082	1.38652967	0.656486504	0.87564865	2.440366797	29.09763229	26547.03398
1147.2	0.756189518	4.5147539	1.404451362	0.659791591	0.875979159	2.472842948	29.47925847	26576.51324
1147.4	0.757166672	4.520587896	1.423161377	0.663242059	0.876324206	2.506773034	29.87769589	26606.39093
1147.6	0.758164006	4.526542382	1.442723269	0.666849629	0.876684963	2.54227573	30.29429258	26636.68522
1147.8	0.759182886	4.532625501	1.463208445	0.67062747	0.877062747	2.579484493	30.73056134	26667.41579
1148	0.760224837	4.538846367	1.484697517	0.674590447	0.877459045	2.618550142	31.18820781	26698.60399
1148.2	0.761291577	4.545215231	1.507281975	0.678211767	0.877821177	2.659479314	31.66817674	26730.27217
1148.4	0.762385049	4.551743698	1.531066263	0.680822307	0.878082231	2.70224818	32.17036497	26762.44254
1148.6	0.763507468	4.558444986	1.556170379	0.683577711	0.878357771	2.747417435	32.69799369	26795.14053
1148.8	0.764661374	4.565334266	1.582733182	0.686493218	0.878649322	2.795241549	33.2559539	26828.39648
1149	0.765849707	4.572429089	1.610916645	0.689586608	0.878958661	2.846017566	33.84755469	26862.24404
1149.2	0.767075899	4.579749945	1.640911409	0.692878805	0.87928788	2.900095365	34.47667758	26896.72072
1149.4	0.768343999	4.587321013	1.672944159	0.696394688	0.879639469	2.957891299	35.14791998	26931.86864
1149.6	0.769658843	4.595171159	1.707287607	0.700164192	0.880016419	3.019906664	35.86678778	26967.73542
1149.8	0.771026284	4.603335328	1.744274304	0.704223816	0.880422382	3.086753255	36.63995952	27004.37538
1150	0.772453523	4.611856511	1.784316234	0.70861878	0.880861878	3.159189659	37.47565749	27041.85104
1150.2	0.773949588	4.620788619	1.827933464	0.713406165	0.881340617	3.238174332	38.38418395	27080.23522
1150.4	0.775526067	4.630200831	1.875797549	0.718659681	0.881865968	3.324946062	39.37872237	27119.61395
1150.6	0.777198258	4.640184478	1.928800198	0.724477201	0.88244772	3.421151327	40.47658434	27160.09053
1150.8	0.778987088	4.650864513	1.988167923			3.529057037	41.70125019	27201.79178
1151	0.780922557	4.662420032	2.05566708			3.651931213	43.0859295	27244.87771
1151.2	0.783050462	4.675124478	2.134005715	0.747000361	0.884700036	3.794789416	44.68032377	27289.55803
1151.4	0.785447409	4.689435208	2.22772911	0.75728735	0.885728735	3.96605901	46.56509055	27336.12313
1151.6	0.788261517	4.706236562	2.345650228	0.770230259	0.887023026	4.182097983	48.88894195	27385.01207



1151.8	0.791870458	4.727783383	2.510284706	0.787893668	0.888789367	4.484539852	51.99982701	27437.01189
1152	0.8	4.77632	2.944040393	0.818349259	0.891834926	5.277452073	58.57195155	27495.58385
1152.2	0.804237385	4.80161888	3.144603601	0.832431544	0.893243154	5.645880235	65.53999385	27561.12384
1152.4	0.806118483	4.812849792	3.20363033	0.836576028	0.893657603	5.754526687	68.40244154	27629.52628
1152.6	0.807585289	4.82160721	3.237019952	0.838920437	0.893892044	5.816028226	69.42332948	27698.94961
1152.8	0.808834657	4.829066433	3.256475884	0.84028651	0.894028651	5.851879312	70.00744522	27768.95706
1153	0.809943791	4.835688408	3.266553268	0.840994081	0.894099408	5.870452919	70.33399339	27839.29105
1153.2	0.81095262	4.841711525	3.269576254	0.841206336	0.894120634	5.876025139	70.47886835	27909.76992
1153.4	0.811885018	4.84727831	3.266904146	0.841018717	0.894101872	5.871099675	70.48274888	27980.25267
1153.6	0.812756619	4.852482115	3.259397335	0.840491636	0.894049164	5.857263537	70.37017927	28050.62285
1153.8	0.813578331	4.85738807				5.835569894	70.15700058	28120.77985
1154	0.81435813	4.862043778				5.806732099	69.85381196	28190.63366
1154.2	0.815102053	4.866485299				5.771230578	69.46777606	28260.10143
1154.4	0.815814808	4.870740732				5.729374947	69.00363315	28329.10507
1154.6	0.816500148	4.874832486				5.681340969	68.4642955	28397.56936
1154.8	0.817161124	4.878778776	3.134445093	0.831718277	0.893171828	5.627192087	67.85119833	28465.42056
1155	0.817800256	4.882594647	3.101655581	0.829416004	0.8929416	5.56689057	67.16449594	28532.58506
1155.2	0.818419654	4.886292702	3.065427562	0.826872301	0.89268723	5.50030076	66.40314798	28598.98821
1155.4	0.819021108	4.889883621	3.025626079	0.824077692	0.892407769	5.427185361	65.56491673	28664.55312
1155.6	0.819606149	4.893376553	2.98205394	0.821018331	0.892101833	5.347194531	64.64627935	28729.1994
1155.8	0.820176103	4.896779405	2.934440766	0.817675234	0.891767523	5.259846338	63.64224521	28792.84165
1156	0.820732123	4.900099066	2.88242555	0.814023053	0.891402305	5.164495568	62.54605143	28855.3877
1156.2	0.821275222	4.903341586	2.82552967	0.810028183	0.891002818	5.060285348	61.34868549	28916.73638
1156.4	0.821806296	4.906512307	2.763114761	0.805645801	0.89056458	4.946071595	60.03814165	28976.77452
1156.6	0.822326139	4.909615981	2.694315033	0.800815118	0.890081512	4.820301596	58.59823914	29035.37276
1156.8	0.822835464	4.912656852	2.617923393	0.795451378	0.889545138	4.680809661	57.00666754	29092.37943
1157	0.823334907	4.91563873	2.532186983	0.789431508	0.888943151	4.524450253	55.23155948	29147.61099
1157.2	0.823825046	4.918565055	2.434405771	0.779971982	0.887997198	4.345108462	53.21735229	29200.82834
1157.4	0.824306402	4.92143894	2.320037321	0.767419011	0.886741901	4.135121351	50.88137888	29251.70972
1157.6	0.824779448	4.924263218	2.180266555	0.752077906	0.885207791	3.879277769	48.08639472	29299.79612
1157.8	0.825244619	4.927040471	1.992570875	0.731476609	0.883147661	3.537065959	44.49806236	29344.29418
1158	0.825702309	4.929773065	1.53453065		120256	2.708479925	37.4732753	29381.76745
1158.2	0.826152883	4.932463173	1.30844292		208588	2.29914261	30.04573521	29411.81319
1158.4	0.826596676	4.935112795	1.222630025	0.626260417	0.872626042	2.144466586	26.66165517	29438.47485
1158.6	0.827033997	4.937723776	1.161165661	0.614925267	0.871492527	2.034013863	25.07088269	29463.54573
1158.8	0.827465133	4.940297828	1.112313946	0.605916119	0.870591612	1.946426094	23.88263974	29487.42837
1159	0.827890348	4.942836536	1.071481273	0.598385829	0.869838583	1.873351662	22.91866654	29510.34703
1159.2	0.828309891	4.945341374	1.036298493	0.591897482	0.869189748	1.810487453	22.10303469	29532.45007
1159.4	0.828723991	4.947813718	1.005354083	0.586190768	0.868619077	1.755272168	21.39455773	29553.84463
1159.6	0.829132864	4.950254851	0.977727359	0.577605445	0.867760544	1.705350784	20.76373771	29574.60836
1159.8	0.82953671	4.952665972	0.952779025	0.569094745	0.866909474	1.660206059	20.19334105	29594.80171
1160	0.829935717	4.955048207	0.93004429	0.561339177	0.866133918	1.619141239	19.67608378	29614.47779
1160.2	0.830330063	4.957402611	0.90917312	0.554219333	0.865421933	1.581504902	19.20387684	29633.68167
1160.4	0.830719914	4.959730176	0.889894437	0.547642738	0.864764274	1.546793322	18.76978934	29652.45146
1160.6	0.831105426	4.962031837	0.871993503	0.541536139	0.864153614	1.514608037	18.36840815	29670.81986
1160.8	0.831486747	4.964308474	0.85529698	0.535840405	0.86358404	1.484627852	17.99541533	29688.81528
1161	0.831864016	4.966560919	0.839662723	0.530507044	0.863050704	1.456589724	17.64730546	29706.46258
1161.2	0.832237364	4.968789959	0.824972576	0.52549575	0.862549575	1.430275286	17.32119006	29723.78377
1161.4	0.832606917	4.970996338	0.811127169	0.520772625	0.862077263	1.405501122	17.01465845	29740.79843
1161.6	0.832972793	4.973180761	0.798042078	0.516308869	0.861630887	1.382111585	16.72567624	29757.52411
1161.8	0.833335103	4.975343897	0.785644925	0.512079792	0.861207979	1.359973394	16.45250987	29773.97662
1162	0.833693954	4.977486382	0.773873163	0.508064055	0.860806406	1.338971502	16.19366937	29790.17029
1162.2	0.834049447	4.979608821	0.762672353	0.504243089	0.860424309	1.319005882	15.9478643	29806.11815

Summation of Volumes will determine total volume to be detained onsite (1,864CF)

Limiting Q= 4.28 cfs

1162.4	0.83440168	4.981711788	0.751994805	0.500600626	0.860060063	1.299989006	15.71396933	29821.83212
1162.6	0.834750742	4.983795832	0.741798504	0.494127953	0.859412795	1.281397362	15.48831821	29837.32044
1162.8	0.835096723	4.985861475	0.732046229	0.48724056	0.858724056	1.263537671	15.2696102	29852.59005
1163	0.835439705	4.987909216	0.722704854	0.48064336	0.858064336	1.246455794	15.05996079	29867.65001
1163.2	0.835779769	4.989939531	0.713744761	0.474315434	0.857431543	1.230094418	14.85930127	29882.50931
1163.4	0.83611699	4.991952877	0.705139365	0.468238006	0.856823801	1.214402183	14.6669796	29897.17629
1163.6	0.836451442	4.993949688	0.696864706	0.462394157	0.856239416	1.199332888	14.48241043	29911.6587
1163.8	0.836783194	4.995930383	0.688899122	0.456768587	0.855676859	1.184844824	14.30506628	29925.96377
1164	0.837112314	4.997895361	0.681222959	0.451347416	0.855134742	1.170900212	14.13447022	29940.09824
1164.2	0.837438866	4.999845006	0.673818332	0.446118013	0.854611801	1.157464727	13.97018963	29954.06843
1164.4	0.837762911	5.001779687	0.666668919	0.441068852	0.854106885	1.144507094	13.81183093	29967.88026
1164.6	0.838084509	5.003699755	0.659759789	0.436189387	0.853618939	1.131998737	13.65903498	29981.53929
1164.8	0.838403717	5.005605552	0.653077242	0.431469942	0.853146994	1.119913481	13.51147331	29995.05077
1165	0.838720589	5.007497404	0.646608683	0.426901622	0.852690162	1.108227294	13.36884465	30008.41961
1165.2	0.839035178	5.009375625	0.640342505	0.422476232	0.852247623	1.09691806	13.23087212	30021.65048
1165.4	0.839347534	5.011240518	0.63426799	0.4181862	0.85181862	1.085965381	13.09730065	30034.74779
1165.6	0.839657707	5.013092373	0.628375221	0.414024524	0.851402452	1.075350411	12.96789476	30047.71568
1165.8	0.839965743	5.014931473	0.622655005	0.40998471	0.850998471	1.065055699	12.84243666	30060.55812
1166	0.840271688	5.016758087	0.617098803	0.406060728	0.850606073	1.055065058	12.72072454	30073.27884
1166.2	0.840575586	5.018572478	0.611698672	0.40224697	0.850224697	1.04536345	12.60257105	30085.88141
1166.4	0.840877478	5.020374897	0.606447213	0.398538209	0.849853821	1.035936877	12.48780196	30098.36921
1166.6	0.841177407	5.022165588	0.601337518	0.394929566	0.849492957	1.026772291	12.37625501	30110.74547
1166.8	0.84147541	5.023944787	0.596363132	0.391416483	0.849141648	1.017857513	12.26777883	30123.01325
1167	0.841771526	5.025712721	0.591518014	0.387994694	0.848799469	1.009181155	12.16223201	30135.17548
1167.2	0.842065793	5.02746961	0.586796504	0.384660201	0.84846602	1.000732557	12.05948228	30147.23496
1167.4	0.842358245	5.029215667	0.582193287	0.381409251	0.848140925	0.992501725	11.9594057	30159.19437
1167.6	0.842648918	5.030951098	0.577703372	0.378238318	0.847823832	0.98447928	11.86188603	30171.05625
1167.8	0.842937844	5.032676103	0.573322064	0.375144087	0.847514409	0.976656407	11.76681413	30182.82307
1168	0.843225056	5.034390876	0.569044941	0.372123436	0.847212344	0.969024814	11.67408733	30194.49716
1168.2	0.843510586	5.036095604	0.564867833	0.369173418	0.846917342	0.96157669	11.58360903	30206.08076
1168.4	0.843794464	5.037790469	0.560786806	0.366291256	0.846629126	0.954304671	11.49528817	30217.57605
1168.6	0.84407672	5.039475646	0.556798143	0.363474325	0.846347433	0.947201805	11.40903886	30228.98509
1168.8	0.844357381	5.041151308	0.55289833	0.360720143	0.846072014	0.940261525	11.32477998	30240.30987
1169	0.844636477	5.04281762	0.549084038	0.358026358	0.845802636	0.93347762	11.24243487	30251.55231
1169.2	0.844914033	5.044474743	0.545352115	0.355390746	0.845539075	0.926844211	11.16193099	30262.71424
1169.4	0.845190077	5.046122834	0.541699573	0.352811195	0.845281119	0.920355727	11.08319963	30273.79744
1169.6	0.845464633	5.047762046	0.538123574	0.350285701	0.84502857	0.914006887	11.00617568	30284.80361
1169.8	0.845737727	5.049392526	0.534621424	0.347812362	0.844781236	0.907792677	10.93079738	30295.73441
1170	0.846009383	5.051014417	0.531190561	0.345389369	0.844538937	0.901708335	10.85700607	30306.59142
1170.2	0.846279623	5.052627861	0.527828549	0.343015	0.8443015	0.895749336	10.78474603	30317.37616
1170.4	0.846548471	5.054232993	0.524533068	0.340687618	0.844068762	0.889911374	10.71396426	30328.09013
1170.6	0.84681595	5.055829946	0.521301907	0.33840566	0.843840566	0.884190349	10.64461034	30338.73474
1170.8	0.84708208	5.057418848	0.518132959	0.33616764	0.843616764	0.878582357	10.57663623	30349.31137
1171	0.847346882	5.058999825	0.515024213	0.333972137	0.843397214	0.873083673	10.50999618	30359.82137
1171.2	0.847610378	5.060573	0.511973751	0.331817796	0.84318178	0.867690747	10.44464652	30370.26602
1171.4	0.847872587	5.062138491	0.508979739	0.329703321	0.842970332	0.862400187	10.3805456	30380.64656
1171.6	0.848133528	5.063696416	0.506040424	0.327627475	0.842762748	0.857208756	10.31765366	30390.96421
1171.8	0.848393221	5.065246886	0.503154129	0.325589075	0.842558907	0.852113357	10.25593268	30401.22015
1172	0.848651684	5.066790013	0.500319251	0.323586986	0.842358699	0.847111029	10.19534632	30411.41549
1172.2	0.848908935	5.068325903	0.497534253	0.319124959	0.841912496	0.841949413	10.13436266	30421.54986
1172.4	0.849164991	5.069854664	0.494797664	0.314423045	0.841442305	0.83685081	10.07280134	30431.62266
1172.6	0.849419871	5.071376395	0.492108071	0.30980188	0.840980188	0.831844808	10.01217371	30441.63483
1172.8	0.84967359	5.072891199	0.489464122	0.305259138	0.840525914	0.82692863	9.95264063	30451.58747

1173	0.849926165	5.074399173	0.486864519	0.300792589	0.840079259	0.822099616	9.894169477	30461.48164
1173.2	0.850177611	5.075900411	0.484308013	0.296400088	0.839640009	0.817355212	9.836728968	30471.31837
1173.4	0.850427946	5.077395007	0.481793407	0.292079579	0.839207958	0.812692971	9.7802891	30481.09866
1173.6	0.850677183	5.078883053	0.47931955	0.287829084	0.838782908	0.808110543	9.724821086	30490.82348
1173.8	0.850925338	5.080364637	0.476885335	0.2836467	0.83836467	0.803605672	9.670297288	30500.49378
1174	0.851172425	5.081839846	0.474489698	0.279530598	0.83795306	0.799176189	9.616691162	30510.11047
1174.2	0.851418459	5.083308765	0.472131612	0.275479017	0.837547902	0.794820011	9.563977199	30519.67445
1174.4	0.851663453	5.084771478	0.469810093	0.271490263	0.837149026	0.790535135	9.512130874	30529.18658
1174.6	0.851907421	5.086228065	0.46752419	0.267562702	0.83675627	0.786319632	9.461128602	30538.64771
1174.8	0.852150376	5.087678606	0.465272986	0.263694761	0.836369476	0.782171649	9.410947685	30548.05865
1175	0.852392332	5.08912318	0.4630556	0.259884925	0.835988492	0.778089397	9.361566275	30557.42022
1175.2	0.852633301	5.090561861	0.46087118	0.256131729	0.835613173	0.774071158	9.312963331	30566.73318
1175.4	0.852873296	5.091994725	0.458718904	0.252433764	0.835243376	0.770115272	9.265118582	30575.9983
1175.6	0.853112328	5.093421844	0.456597981	0.248789667	0.834878967	0.766220142	9.218012489	30585.21631
1175.8	0.85335041	5.09484329	0.454507645	0.245198124	0.834519812	0.762384226	9.171626212	30594.38794
1176	0.853587554	5.096259133	0.452447157	0.241657865	0.834165786	0.758606037	9.125941582	30603.51388
1176.2	0.853823771	5.097669442	0.450415804	0.238167662	0.833816766	0.75488414	9.080941064	30612.59482
1176.4	0.854059072	5.099074283	0.448412893	0.234726331	0.833472633	0.751217149	9.036607733	30621.63143
1176.6	0.854293468	5.100473722	0.44643776	0.231332725	0.833133272	0.747603725	8.992925245	30630.62436
1176.8	0.85452697	5.101867824	0.444489758	0.227985735	0.832798573	0.744042577	8.949877813	30639.57423
1177	0.854759589	5.103256652	0.442568263	0.224684288	0.832468429	0.740532454	8.907450183	30648.48168
1177.2	0.854991335	5.104640267	0.44067267	0.221427347	0.832142735	0.737072148	8.865627608	30657.34731
1177.4	0.855222218	5.106018731	0.438802396	0.218213906	0.831821391	0.733660491	8.82439583	30666.17171
1177.6	0.855452248	5.107392103	0.436956873	0.215042992	0.831504299	0.730296352	8.783741057	30674.95545
1177.8	0.855681435	5.108760441	0.435135553	0.211913663	0.831191366	0.726978639	8.743649946	30683.6991
1178	0.855909789	5.110123803	0.433337904	0.208825004	0.8308825	0.723706291	8.704109581	30692.40321
1178.2	0.856137318	5.111482245	0.431563411	0.205776131	0.830577613	0.720478285	8.665107458	30701.06832
1178.4	0.856364033	5.112835821	0.429811574	0.202766186	0.830276619	0.717293626	8.626631468	30709.69495
1178.6	0.856589941	5.114184586	0.42808191	0.199794335	0.829979434	0.714151353	8.588669879	30718.28362
1178.8	0.856815053	5.115528594	0.426373947	0.196859772	0.829685977	0.711050534	8.551211324	30726.83483
1179	0.857039377	5.116867895	0.424687229	0.193961713	0.829396171	0.707990264	8.514244785	30735.34907
1179.2	0.857262921	5.118202542	0.423021315	0.191099397	0.82910994	0.704969666	8.477759578	30743.82683
1179.4	0.857485694	5.119532585	0.421375775	0.188272086	0.828827209	0.701987891	8.441745344	30752.26858
1179.6	0.857707703	5.120858072	0.41975019	0.185479062	0.828547906	0.699044114	8.406192031	30760.67477
1179.8	0.857928958	5.122179053	0.418144157	0.182719631	0.828271963	0.696137534	8.371089887	30769.04586
1180	0.858149466	5.123495574	0.41655728	0.179993115	0.827999311	0.693267374	8.336429447	30777.38229
1180.2	0.858369235	5.124807683	0.414989178	0.177298856	0.827729886	0.690432879	8.30220152	30785.68449
1180.4	0.858588273	5.126115426	0.413439479	0.174636215	0.827463622	0.687633318	8.268397184	30793.95289
1180.6	0.858806587	5.127418847	0.41190782	0.172004572	0.827200457	0.684867977	8.235007768	30802.1879
1180.8	0.859024185	5.128717991	0.41039385	0.169403321	0.826940332	0.682136165	8.202024854	30810.38992
1181	0.859241073	5.130012902	0.408897227	0.166831875	0.826683187	0.679437211	8.169440255	30818.55936
1181.2	0.85945726	5.131303623	0.407417618	0.164289662	0.826428966	0.676770459	8.137246019	30826.69661
1181.4	0.859672751	5.132590195	0.4059547	0.161776126	0.826177613	0.674135276	8.10543441	30834.80204
1181.6	0.859887555	5.133872659	0.404508156	0.159290724	0.825929072	0.671531042	8.073997908	30842.87604
1181.8	0.860101678	5.135151058	0.40307768	0.15683293	0.825683293	0.668957157	8.042929198	30850.91897
1182	0.860315126	5.136425431	0.401662973	0.15440223	0.825440223	0.666413036	8.012221161	30858.93119
1182.2	0.860527907	5.137695816	0.400263745	0.151998123	0.825199812	0.663898109	7.981866874	30866.91306
1182.4	0.860740026	5.138962254	0.39887971	0.149620123	0.824962012	0.661411823	7.951859594	30874.86492
1182.6	0.860951491	5.140224781	0.397510594	0.147267755	0.824726775	0.658953637	7.92219276	30882.78711
1182.8	0.861162307	5.141483437	0.396156127	0.144940555	0.824494056	0.656523027	7.892859983	30890.67997
1183	0.86137248	5.142738256	0.394816046	0.142638074	0.824263807	0.65411948	7.863855039	30898.54382
1183.2	0.861582017	5.143989277	0.393490095	0.140359872	0.824035987	0.651742498	7.835171866	30906.379
1183.4	0.861790924	5.145236534	0.392178026	0.138105519	0.823810552	0.649391595	7.80680456	30914.1858

1183.6	0.861999206	5.146480062	0.390879594	0.135874598	0.82358746	0.647066299	7.778747364	30921.96455
1183.8	0.86220687	5.147719897	0.389594562	0.133666701	0.82336667	0.644766146	7.75099467	30929.71554
1184	0.862413921	5.148956073	0.388322699	0.13148143	0.823148143	0.642490688	7.723541009	30937.43908
1184.2	0.862620364	5.150188622	0.387063779	0.129318397	0.82293184	0.640239486	7.696381049	30945.13546
1184.4	0.862826206	5.151417579	0.385817581	0.127177222	0.822717722	0.638012112	7.669509592	30952.80497
1184.6	0.863031451	5.152642975	0.38458389	0.125057537	0.822505754	0.635808149	7.642921566	30960.4479
1184.8	0.863236105	5.153864843	0.383362495	0.122958979	0.822295898	0.633627188	7.616612023	30968.06451
1185	0.863440174	5.155083215	0.382153192	0.120881196	0.82208812	0.631468834	7.590576136	30975.65508
1185.2	0.863643662	5.15629812	0.38095578	0.118823844	0.821882384	0.629332698	7.564809194	30983.21989
1185.4	0.863846575	5.157509591	0.379770063	0.116786586	0.821678659	0.627218402	7.539306599	30990.7592
1185.6	0.864048918	5.158717657	0.37859585	0.114769094	0.821476909	0.625125575	7.514063862	30998.27326
1185.8	0.864250695	5.159922348	0.377432954	0.112771046	0.821277105	0.623053858	7.4890766	31005.76234
1186	0.864451912	5.161123693	0.376281193	0.110792129	0.821079213	0.621002898	7.464340534	31013.22668
1186.2	0.864652573	5.162321722	0.375140387	0.108832036	0.820883204	0.618972349	7.439851482	31020.66653
1186.4	0.864852684	5.163516462	0.374010362	0.106890466	0.820689047	0.616961878	7.415605362	31028.08214
1186.6	0.865052248	5.164707942	0.372890949	0.104967128	0.820496713	0.614971153	7.391598184	31035.47374
1186.8	0.865251271	5.165896189	0.371781979	0.103061734	0.820306173	0.612999855	7.36782605	31042.84156
1187	0.865449757	5.167081231	0.370683289	0.101174004	0.8201174	0.61104767	7.344285149	31050.18585
1187.2	0.865647711	5.168263095	0.369594721	0.1	0.82	0.60916602	7.321282136	31057.50713
1187.4	0.865845137	5.169441806	0.368516118	0.1	0.82	0.607388266	7.299325713	31064.80645
1187.6	0.866042039	5.170617392	0.367447327	0.1	0.82	0.605626684	7.278089702	31072.08454
1187.8	0.866238423	5.171789878	0.366388199	0.1	0.82	0.603881029	7.257046282	31079.34159
1188	0.866434291	5.172959289	0.365338587	0.1	0.82	0.602151059	7.236192528	31086.57778
1188.2	0.866629648	5.174125651	0.364298348	0.1	0.82	0.600436537	7.215525577	31093.79331
1188.4	0.866824499	5.175288988	0.363267342	0.1	0.82	0.598737234	7.195042627	31100.98835
1188.6	0.867018847	5.176449325	0.362245433	0.1	0.82	0.597052922	7.174740935	31108.16309
1188.8	0.867212697	5.177606685	0.361232484	0.1	0.82	0.59538338	7.154617815	31115.31771
1189	0.867406052	5.178761093	0.360228366	0.1	0.82	0.593728392	7.134670635	31122.45238
1189.2	0.867598917	5.179912571	0.359232948	0.1	0.82	0.592087745	7.11489682	31129.56728
1189.4	0.867791294	5.181061144	0.358246105	0.1	0.82	0.59046123	7.095293847	31136.66257
1189.6	0.867983189	5.182206834	0.357267713	0.1	0.82	0.588848644	7.075859244	31143.73843
1189.8	0.868174605	5.183349662	0.35629765	0.1	0.82	0.587249787	7.056590588	31150.79502
1190	0.868365545	5.184489653	0.355335799	0.1	0.82	0.585664464	7.037485507	31157.83251
1190.2	0.868556014	5.185626827	0.354382042	0.1	0.82	0.584092482	7.018541675	31164.85105
1190.4	0.868746015	5.186761206	0.353436266	0.1	0.82	0.582533654	6.999756813	31171.85081
1190.6	0.868935551	5.187892811	0.352498358	0.1	0.82	0.580987794	6.981128686	31178.83193
1190.8	0.869124626	5.189021664	0.35156821	0.1	0.82	0.579454723	6.962655105	31185.79459
1191	0.869313243	5.190147786	0.350645713	0.1	0.82	0.577934264	6.944333923	31192.73892
1191.2	0.869501406	5.191271197	0.349730762	0.1	0.82	0.576426242	6.926163033	31199.66509
1191.4	0.869689119	5.192391917	0.348823254	0.1	0.82	0.574930487	6.908140371	31206.57323
1191.6	0.869876384	5.193509966	0.347923087	0.1	0.82	0.573446832	6.890263912	31213.46349
1191.8	0.870063206	5.194625364	0.347030162	0.1	0.82	0.571975113	6.872531669	31220.33602
1192	0.870249587	5.195738132	0.346144381	0.1	0.82	0.570515169	6.854941694	31227.19096
1192.2	0.87043553	5.196848287	0.345265649	0.1	0.82	0.569066843	6.837492075	31234.02846
1192.4	0.870621039	5.197955849	0.344393872	0.1	0.82	0.56762998	6.820180936	31240.84864
1192.6	0.870806116	5.199060838	0.343528957	0.1	0.82	0.566204427	6.803006437	31247.65164
1192.8	0.870990766	5.200163271	0.342670814	0.1	0.82	0.564790035	6.785966772	31254.43761
1193	0.871174991	5.201263167	0.341819354	0.1	0.82	0.563386659	6.769060167	31261.20667
1193.2	0.871358794	5.202360544	0.34097449	0.1	0.82	0.561994155	6.752284882	31267.95895
1193.4	0.871542178	5.20345542	0.340136137	0.1	0.82	0.56061238	6.735639209	31274.69459
1193.6	0.871725146	5.204547813	0.33930421	0.1	0.82	0.559241198	6.719121471	31281.41372
1193.8	0.871907701	5.205637741	0.338478626	0.1	0.82	0.557880472	6.70273002	31288.11645
1194	0.872089847	5.20672522	0.337659306	0.1	0.82	0.556530068	6.686463239	31294.80291

1194.2	0.872271584	5.207810268	0.336846169	0.1	0.82	0.555189855	6.670319541	31301.47323
1194.4	0.872452918	5.208892902	0.336039137	0.1	0.82	0.553859705	6.654297365	31308.12753
1194.6	0.87263385	5.209973138	0.335238133	0.1	0.82	0.552539491	6.638395179	31314.76592
1194.8	0.872814383	5.211050993	0.334443082	0.1	0.82	0.551229089	6.622611478	31321.38853
1195	0.87299452	5.212126484	0.333653911	0.1	0.82	0.549928375	6.606944784	31327.99548
1195.2	0.873174264	5.213199626	0.332870545	0.1	0.82	0.548637232	6.591393642	31334.58687
1195.4	0.873353617	5.214270435	0.332092913	0.1	0.82	0.547355539	6.575956627	31341.16283
1195.6	0.873532582	5.215338928	0.331320946	0.1	0.82	0.546083183	6.560632335	31347.72346
1195.8	0.873711162	5.21640512	0.330554574	0.1	0.82	0.544820048	6.545419386	31354.26888
1196	0.873889358	5.217469026	0.329793728	0.1	0.82	0.543566023	6.530316427	31360.7992
1196.2	0.874067175	5.218530661	0.329038344	0.1	0.82	0.542320998	6.515322125	31367.31452
1196.4	0.874244614	5.219590041	0.328288353	0.1	0.82	0.541084864	6.500435171	31373.81495
1196.6	0.874421677	5.220647181	0.327543693	0.1	0.82	0.539857515	6.485654277	31380.30061
1196.8	0.874598368	5.221702094	0.3268043	0.1	0.82	0.538638847	6.470978178	31386.77159
1197	0.874774688	5.222754797	0.326070111	0.1	0.82	0.537428757	6.456405628	31393.22799
1197.2	0.87495064	5.223805303	0.325341065	0.1	0.82	0.536227144	6.441935405	31399.66993
1197.4	0.875126227	5.224853627	0.324617102	0.1	0.82	0.535033907	6.427566305	31406.09749
1197.6	0.875301451	5.225899782	0.323898162	0.1	0.82	0.53384895	6.413297143	31412.51079
1197.8	0.875476314	5.226943783	0.323184186	0.1	0.82	0.532672176	6.399126756	31418.90992
1198	0.875650818	5.227985643	0.322475118	0.1	0.82	0.53150349	6.385053997	31425.29497
1198.2	0.875824966	5.229025377	0.321770902	0.1	0.82	0.5303428	6.371077741	31431.66605
1198.4	0.87599876	5.230062997	0.32107148	0.1	0.82	0.529190013	6.357196879	31438.02325
1198.6	0.876172202	5.231098517	0.320376799	0.1	0.82	0.52804504	6.34341032	31444.36666
1198.8	0.876345295	5.232131951	0.319686805	0.1	0.82	0.526907792	6.329716991	31450.69637
1199	0.876518041	5.233163311	0.319001445	0.1	0.82	0.525778181	6.316115836	31457.01249
1199.2	0.876690441	5.23419261	0.318320666	0.1	0.82	0.524656122	6.302605814	31463.31509
1199.4	0.876862499	5.235219862	0.317644418	0.1	0.82	0.523541529	6.289185904	31469.60428
1199.6	0.877034215	5.236245078	0.316972649	0.1	0.82	0.522434321	6.275855099	31475.88014
1199.8	0.877205593	5.237268272	0.316305311	0.1	0.82	0.521334414	6.262612407	31482.14275
1200	0.877376634	5.238289455	0.315642354	0.1	0.82	0.520241728	6.249456852	31488.3922
1200.2	0.87754734	5.239308641	0.31498373	0.1	0.82	0.519156184	6.236387475	31494.62859
1200.4	0.877717714	5.240325841	0.314329392	0.1	0.82	0.518077704	6.223403329	31500.852
1200.6	0.877887757	5.241341067	0.313679293	0.1	0.82	0.51700621	6.210503483	31507.0625
1200.8	0.878057472	5.242354332	0.313033386	0.1	0.82	0.515941627	6.197687021	31513.26019
1201	0.87822686	5.243365646	0.312391627	0.1	0.82	0.51488388	6.184953038	31519.44514
1201.2	0.878395924	5.244375023	0.311753971	0.1	0.82	0.513832895	6.172300647	31525.61744
1201.4	0.878564664	5.245382473	0.311120374	0.1	0.82	0.5127886	6.159728971	31531.77717
1201.6	0.878733084	5.246388007	0.310490793	0.1	0.82	0.511750924	6.147237147	31537.92441
1201.8	0.878901186	5.247391638	0.309865184	0.1	0.82	0.510719797	6.134824326	31544.05923
1202	0.87906897	5.248393376	0.309243507	0.1	0.82	0.509695148	6.122489671	31550.18172
1202.2	0.879236439	5.249393233	0.30862572	0.1	0.82	0.508676911	6.110232357	31556.29195
1202.4	0.879403594	5.250391219	0.308011781	0.1	0.82	0.507665018	6.098051572	31562.39
1202.6	0.879570438	5.251387346	0.307401651	0.1	0.82	0.506659402	6.085946514	31568.47595
1202.8	0.879736973	5.252381623	0.306795291	0.1	0.82	0.505659998	6.073916396	31574.54987
1203	0.8799032	5.253374063	0.30619266	0.1	0.82	0.504666742	6.061960439	31580.61183
1203.2	0.88006912	5.254364675	0.305593721	0.1	0.82	0.503679571	6.050077879	31586.6619
1203.4	0.880234736	5.25535347	0.304998436	0.1	0.82	0.502698422	6.03826796	31592.70017
1203.6	0.88040005	5.256340459	0.304406767	0.1	0.82	0.501723234	6.026529937	31598.7267
1203.8	0.880565063	5.257325651	0.303818678	0.1	0.82	0.500753946	6.014863079	31604.74157
1204	0.880729776	5.258309057	0.303234133	0.1	0.82	0.499790498	6.003266661	31610.74483
1204.2	0.880894192	5.259290686	0.302653095	0.1	0.82	0.498832831	5.991739971	31616.73657
1204.4	0.881058313	5.26027055	0.302075529	0.1	0.82	0.497880887	5.980282307	31622.71685
1204.6	0.881222139	5.261248658	0.301501401	0.1	0.82	0.496934609	5.968892977	31628.68575

1204.8	0.881385672	5.262225019	0.300930676	0.1	0.82	0.49599394	5.957571296	31634.64332
1205	0.881548915	5.263199643	0.300363321	0.1	0.82	0.495058825	5.946316593	31640.58964
1205.2	0.881711869	5.26417254	0.299799301	0.1	0.82	0.494129209	5.935128203	31646.52476
1205.4	0.881874534	5.26514372	0.299238585	0.1	0.82	0.493205037	5.924005471	31652.44877
1205.6	0.882036914	5.266113192	0.29868114	0.1	0.82	0.492286255	5.912947752	31658.36172
1205.8	0.882199009	5.267080965	0.298126934	0.1	0.82	0.491372813	5.901954409	31664.26367
1206	0.882360822	5.268047049	0.297575935	0.1	0.82	0.490464656	5.891024814	31670.1547
1206.2	0.882522352	5.269011452	0.297028113	0.1	0.82	0.489561735	5.880158348	31676.03485
1206.4	0.882683603	5.269974184	0.296483435	0.1	0.82	0.488663998	5.8693544	31681.90421
1206.6	0.882844576	5.270935255	0.295941874	0.1	0.82	0.487771396	5.858612367	31687.76282
1206.8	0.883005271	5.271894671	0.295403397	0.1	0.82	0.486883879	5.847931654	31693.61075
1207	0.883165691	5.272852444	0.294867977	0.1	0.82	0.4860014	5.837311675	31699.44806
1207.2	0.883325838	5.273808581	0.294335584	0.1	0.82	0.485123909	5.826751852	31705.27482
1207.4	0.883485711	5.274763092	0.293806188	0.1	0.82	0.48425136	5.816251612	31711.09107
1207.6	0.883645314	5.275715984	0.293279763	0.1	0.82	0.483383706	5.805810394	31716.89688
1207.8	0.883804647	5.276667266	0.29275628	0.1	0.82	0.482520901	5.795427641	31722.69231
1208	0.883963712	5.277616947	0.292235711	0.1	0.82	0.4816629	5.785102804	31728.47741
1208.2	0.88412251	5.278565036	0.29171803	0.1	0.82	0.480809657	5.774835342	31734.25224
1208.4	0.884281043	5.27951154	0.291203209	0.1	0.82	0.479961129	5.76462472	31740.01687
1208.6	0.884439312	5.280456468	0.290691222	0.1	0.82	0.479117273	5.754470413	31745.77134
1208.8	0.884597318	5.281399828	0.290182043	0.1	0.82	0.478278044	5.744371898	31751.51571
1209	0.884755063	5.282341628	0.289675646	0.1	0.82	0.4774434	5.734328663	31757.25004
1209.2	0.884912548	5.283281876	0.289172006	0.1	0.82	0.4766133	5.724340199	31762.97438
1209.4	0.885069774	5.28422058	0.288671097	0.1	0.82	0.475787701	5.714406008	31768.68879
1209.6	0.885226743	5.285157748	0.288172894	0.1	0.82	0.474966564	5.704525594	31774.39331
1209.8	0.885383456	5.286093388	0.287677374	0.1	0.82	0.474149847	5.694698469	31780.08801
1210	0.885539915	5.287027508	0.287184511	0.1	0.82	0.473337511	5.684924153	31785.77293
1210.2	0.88569612	5.287960115	0.286694283	0.1	0.82	0.472529517	5.675202169	31791.44814
1210.4	0.885852073	5.288891217	0.286206665	0.1	0.82	0.471725825	5.665532048	31797.11367
1210.6	0.886007775	5.289820821	0.285721634	0.1	0.82	0.470926396	5.655913326	31802.76958
1210.8	0.886163228	5.290748935	0.285239167	0.1	0.82	0.470131194	5.646345545	31808.41593
1211	0.886318432	5.291675567	0.284759241	0.1	0.82	0.469340181	5.636828254	31814.05276
1211.2	0.886473389	5.292600724	0.284281835	0.1	0.82	0.46855332	5.627361005	31819.68012
1211.4	0.886628101	5.293524413	0.283806925	0.1	0.82	0.467770573	5.617943358	31825.29806
1211.6	0.886782568	5.294446641	0.28333449	0.1	0.82	0.466991906	5.608574878	31830.90663
1211.8	0.886936791	5.295367416	0.282864508	0.1	0.82	0.466217283	5.599255133	31836.50589
1212	0.887090772	5.296286745	0.282396959	0.1	0.82	0.465446667	5.5899837	31842.09587
1212.2	0.887244512	5.297204634	0.28193182	0.1	0.82	0.464680026	5.580760158	31847.67663
1212.4	0.887398012	5.298121092	0.281469071	0.1	0.82	0.463917323	5.571584093	31853.24822
1212.6	0.887551274	5.299036124	0.281008692	0.1	0.82	0.463158526	5.562455096	31858.81067
1212.8	0.887704297	5.299949738	0.280550662	0.1	0.82	0.462403601	5.553372761	31864.36405
1213	0.887857085	5.30086194	0.280094961	0.1	0.82	0.461652514	5.544336689	31869.90838
1213.2	0.888009637	5.301772738	0.279641569	0.1	0.82	0.460905233	5.535346485	31875.44373
1213.4	0.888161955	5.302682138	0.279190466	0.1	0.82	0.460161726	5.526401759	31880.97013
1213.6	0.88831404	5.303590147	0.278741634	0.1	0.82	0.459421961	5.517502125	31886.48763
1213.8	0.888465894	5.304496771	0.278295053	0.1	0.82	0.458685906	5.508647202	31891.99628
1214	0.888617516	5.305402018	0.277850704	0.1	0.82	0.45795353	5.499836614	31897.49612
1214.2	0.888768909	5.306305893	0.277408568	0.1	0.82	0.457224802	5.491069989	31902.98719
1214.4	0.888920073	5.307208403	0.276968627	0.1	0.82	0.456499691	5.482346959	31908.46953
1214.6	0.889071009	5.308109554	0.276530863	0.1	0.82	0.455778169	5.47366716	31913.9432
1214.8	0.889221719	5.309009354	0.276095258	0.1	0.82	0.455060204	5.465030234	31919.40823
1215	0.889372204	5.309907807	0.275661793	0.1	0.82	0.454345767	5.456435826	31924.86467
1215.2	0.889522464	5.310804921	0.275230452	0.1	0.82	0.45363483	5.447883585	31930.31255

1215.4	0.889672501	5.311700702	0.274801216	0.1	0.82	0.452927364	5.439373164	31935.75192
1215.6	0.889822316	5.312595155	0.274374068	0.1	0.82	0.45222334	5.43090422	31941.18283
1215.8	0.889971909	5.313488287	0.273948993	0.1	0.82	0.45152273	5.422476415	31946.6053
1216	0.890121282	5.314380105	0.273525971	0.1	0.82	0.450825506	5.414089413	31952.01939
1216.2	0.890270436	5.315270614	0.273104988	0.1	0.82	0.450131641	5.405742884	31957.42514
1216.4	0.890419372	5.316159819	0.272686026	0.1	0.82	0.449441109	5.3974365	31962.82257
1216.6	0.890568091	5.317047728	0.27226907	0.1	0.82	0.448753881	5.389169938	31968.21174
1216.8	0.890716593	5.317934346	0.271854103	0.1	0.82	0.448069932	5.380942877	31973.59269
1217	0.89086488	5.318819678	0.271441108	0.1	0.82	0.447389235	5.372755001	31978.96544
1217.2	0.891012952	5.319703731	0.271030072	0.1	0.82	0.446711765	5.364605997	31984.33005
1217.4	0.891160812	5.32058651	0.270620977	0.1	0.82	0.446037495	5.356495557	31989.68654
1217.6	0.891308459	5.321468022	0.270213809	0.1	0.82	0.445366401	5.348423373	31995.03497
1217.8	0.891455894	5.322348271	0.269808553	0.1	0.82	0.444698457	5.340389144	32000.37535
1218	0.891603119	5.323227264	0.269405193	0.1	0.82	0.444033638	5.332392571	32005.70775
1218.2	0.891750135	5.324105006	0.269003714	0.1	0.82	0.443371921	5.324433357	32011.03218
1218.4	0.891896942	5.324981502	0.268604102	0.1	0.82	0.442713281	5.31651121	32016.34869
1218.6	0.892043541	5.325856758	0.268206342	0.1	0.82	0.442057693	5.308625841	32021.65732
1218.8	0.892189934	5.32673078	0.26781042	0.1	0.82	0.441405134	5.300776963	32026.95809
1219	0.89233612	5.327603572	0.267416322	0.1	0.82	0.440755581	5.292964294	32032.25106
1219.2	0.892482102	5.328475141	0.267024033	0.1	0.82	0.440109011	5.285187553	32037.53625
1219.4	0.89262788	5.329345492	0.266633539	0.1	0.82	0.4394654	5.277446464	32042.81369
1219.6	0.892773454	5.33021463	0.266244828	0.1	0.82	0.438824726	5.269740752	32048.08343
1219.8	0.892918826	5.33108256	0.265857885	0.1	0.82	0.438186966	5.262070147	32053.3455
1220	0.893063997	5.331949287	0.265472696	0.1	0.82	0.437552098	5.25443438	32058.59994
1220.2	0.893208967	5.332814818	0.265089249	0.1	0.82	0.4369201	5.246833186	32063.84677
1220.4	0.893353738	5.333679156	0.26470753	0.1	0.82	0.436290951	5.239266303	32069.08604
1220.6	0.893498309	5.334542307	0.264327526	0.1	0.82	0.435664628	5.231733471	32074.31777
1220.8	0.893642683	5.335404276	0.263949224	0.1	0.82	0.435041111	5.224234433	32079.54201
1221	0.89378686	5.336265068	0.263572612	0.1	0.82	0.434420378	5.216768936	32084.75877
1221.2	0.89393084	5.337124689	0.263197676	0.1	0.82	0.433802409	5.209336727	32089.96811
1221.4	0.894074625	5.337983142	0.262824405	0.1	0.82	0.433187184	5.201937558	32095.17005
1221.6	0.894218215	5.338840433	0.262452785	0.1	0.82	0.43257468	5.194571182	32100.36462
1221.8	0.894361612	5.339696568	0.262082805	0.1	0.82	0.431964879	5.187237357	32105.55186
1222	0.894504815	5.34055155	0.261714453	0.1	0.82	0.431357761	5.17993584	32110.73179
1222.2	0.894647827	5.341405385	0.261347716	0.1	0.82	0.430753305	5.172666394	32115.90446
1222.4	0.894790647	5.342258077	0.260982582	0.1	0.82	0.430151492	5.165428781	32121.06989
1222.6	0.894933276	5.343109632	0.260619041	0.1	0.82	0.429552303	5.15822277	32126.22811
1222.8	0.895075716	5.343960054	0.260257079	0.1	0.82	0.428955718	5.151048127	32131.37916
1223	0.895217966	5.344809347	0.259896687	0.1	0.82	0.428361719	5.143904624	32136.52306
1223.2	0.895360029	5.345657516	0.259537851	0.1	0.82	0.427770287	5.136792035	32141.65986
1223.4	0.895501904	5.346504567	0.259180562	0.1	0.82	0.427181402	5.129710135	32146.78957
1223.6	0.895643592	5.347350503	0.258824808	0.1	0.82	0.426595048	5.122658703	32151.91222
1223.8	0.895785095	5.348195329	0.258470577	0.1	0.82	0.426011205	5.115637518	32157.02786
1224	0.895926412	5.34903905	0.258117859	0.1	0.82	0.425429856	5.108646363	32162.13651
1224.2	0.896067545	5.34988167	0.257766643	0.1	0.82	0.424850982	5.101685023	32167.23819
1224.4	0.896208494	5.350723194	0.257416919	0.1	0.82	0.424274566	5.094753285	32172.33295
1224.6	0.896349261	5.351563625	0.257068675	0.1	0.82	0.42370059	5.087850937	32177.4208
1224.8	0.896489845	5.35240297	0.256721902	0.1	0.82	0.423129038	5.080977771	32182.50178
1225	0.896630248	5.353241231	0.256376588	0.1	0.82	0.422559892	5.07413358	32187.57591
1225.2	0.89677047	5.354078414	0.256032723	0.1	0.82	0.421993135	5.067318158	32192.64323
1225.4	0.896910512	5.354914522	0.255690298	0.1	0.82	0.421428749	5.060531304	32197.70376
1225.6	0.897050375	5.35574956	0.255349302	0.1	0.82	0.42086672	5.053772817	32202.75753
1225.8	0.89719006	5.356583532	0.255009725	0.1	0.82	0.42030703	5.047042497	32207.80457

1226	0.897329566	5.357416443	0.254671558	0.1	0.82	0.419749662	5.040340148	32212.84491
1226.2	0.897468896	5.358248297	0.25433479	0.1	0.82	0.419194601	5.033665576	32217.87858
1226.4	0.897608049	5.359079097	0.253999412	0.1	0.82	0.41864183	5.027018586	32222.9056
1226.6	0.897747027	5.359908848	0.253665413	0.1	0.82	0.418091334	5.020398988	32227.926
1226.8	0.897885829	5.360737555	0.253332786	0.1	0.82	0.417543098	5.013806593	32232.9398
1227	0.898024457	5.36156522	0.25300152	0.1	0.82	0.416997105	5.007241214	32237.94705
1227.2	0.898162912	5.362391849	0.252671605	0.1	0.82	0.416453339	5.000702664	32242.94775
1227.4	0.898301193	5.363217445	0.252343033	0.1	0.82	0.415911787	4.994190759	32247.94194
1227.6	0.898439303	5.364042013	0.252015795	0.1	0.82	0.415372433	4.987705319	32252.92964
1227.8	0.89857724	5.364865556	0.25168988	0.1	0.82	0.414835261	4.981246162	32257.91089
1228	0.898715007	5.365688078	0.251365282	0.1	0.82	0.414300257	4.97481311	32262.8857
1228.2	0.898852604	5.366509584	0.251041989	0.1	0.82	0.413767407	4.968405986	32267.85411
1228.4	0.89899003	5.367330077	0.250719995	0.1	0.82	0.413236696	4.962024615	32272.81613
1228.6	0.899127288	5.368149561	0.250399289	0.1	0.82	0.412708108	4.955668824	32277.7718
1228.8	0.899264378	5.36896804	0.250079864	0.1	0.82	0.412181631	4.949338439	32282.72114
1229	0.899401299	5.369785518	0.24976171	0.1	0.82	0.41165725	4.943033292	32287.66417
1229.2	0.899538054	5.370601998	0.24944482	0.1	0.82	0.411134952	4.936753212	32292.60093
1229.4	0.899674642	5.371417485	0.249129184	0.1	0.82	0.410614721	4.930498035	32297.53143
1229.6	0.899811065	5.372231982	0.248814795	0.1	0.82	0.410096545	4.924267593	32302.45569
1229.8	0.899947322	5.373045493	0.248501644	0.1	0.82	0.409580409	4.918061722	32307.37375
1230	0.900083415	5.373858022	0.248189723	0.1	0.82	0.409066301	4.911880261	32312.28564
1230.2	0.900219344	5.374669572	0.247879024	0.1	0.82	0.408554207	4.905723048	32317.19136
1230.4	0.90035511	5.375480147	0.247569539	0.1	0.82	0.408044114	4.899589924	32322.09095
1230.6	0.900490713	5.376289751	0.24726126	0.1	0.82	0.407536008	4.89348073	32326.98443
1230.8	0.900626154	5.377098388	0.246954179	0.1	0.82	0.407029877	4.887395311	32331.87182
1231	0.900761433	5.37790606	0.246648288	0.1	0.82	0.406525708	4.881333511	32336.75316
1231.2	0.900896552	5.378712772	0.24634358	0.1	0.82	0.406023488	4.875295176	32341.62845
1231.4	0.90103151	5.379518527	0.246040046	0.1	0.82	0.405523204	4.869280154	32346.49773
1231.6	0.901166308	5.380323328	0.24573768	0.1	0.82	0.405024845	4.863288295	32351.36102
1231.8	0.901300948	5.38112718	0.245436474	0.1	0.82	0.404528397	4.857319448	32356.21834
1232	0.901435429	5.381930085	0.24513642	0.1	0.82	0.404033848	4.851373465	32361.06971
1232.2	0.901569752	5.382732048	0.244837511	0.1	0.82	0.403541186	4.8454502	32365.91516
1232.4	0.901703918	5.383533071	0.24453974	0.1	0.82	0.403050399	4.839549507	32370.75471
1232.6	0.901837927	5.384333158	0.244243098	0.1	0.82	0.402561475	4.833671241	32375.58839
1232.8	0.90197178	5.385132313	0.24394758	0.1	0.82	0.402074402	4.827815261	32380.4162
1233	0.902105477	5.385930538	0.243653178	0.1	0.82	0.401589169	4.821981423	32385.23818
1233.2	0.902239019	5.386727838	0.243359885	0.1	0.82	0.401105763	4.816169589	32390.05435
1233.4	0.902372406	5.387524215	0.243067694	0.1	0.82	0.400624173	4.810379618	32394.86473
1233.6	0.90250564	5.388319673	0.242776598	0.1	0.82	0.400144389	4.804611372	32399.66934
1233.8	0.90263872	5.389114215	0.24248659	0.1	0.82	0.399666397	4.798864716	32404.46821
1234	0.902771648	5.389907845	0.242197663	0.1	0.82	0.399190188	4.793139513	32409.26135
1234.2	0.902904423	5.390700565	0.241909811	0.1	0.82	0.39871575	4.787435629	32414.04878
1234.4	0.903037046	5.39149238	0.241623026	0.1	0.82	0.398243072	4.781752932	32418.83054
1234.6	0.903169518	5.392283291	0.241337303	0.1	0.82	0.397772143	4.776091288	32423.60663
1234.8	0.90330184	5.393073303	0.241052634	0.1	0.82	0.397302952	4.770450568	32428.37708
1235	0.903434011	5.393862419	0.240769014	0.1	0.82	0.396835488	4.764830642	32433.14191
1235.2	0.903566033	5.394650642	0.240486435	0.1	0.82	0.396369742	4.759231381	32437.90114
1235.4	0.903697905	5.395437974	0.240204891	0.1	0.82	0.395905701	4.753652657	32442.65479
1235.6	0.903829629	5.39622442	0.239924376	0.1	0.82	0.395443356	4.748094345	32447.40289
1235.8	0.903961206	5.397009982	0.239644883	0.1	0.82	0.394982697	4.742556319	32452.14544
1236	0.904092634	5.397794663	0.239366407	0.1	0.82	0.394523712	4.737038455	32456.88248
1236.2	0.904223916	5.398578466	0.239088941	0.1	0.82	0.394066393	4.73154063	32461.61402
1236.4	0.904355051	5.399361395	0.238812479	0.1	0.82	0.393610728	4.726062722	32466.34008

1236.6	0.90448604	5.400143453	0.238537015	0.1	0.82	0.393156707	4.72060461	32471.06069
1236.8	0.904616884	5.400924642	0.238262542	0.1	0.82	0.392704322	4.715166174	32475.77586
1237	0.904747582	5.401704965	0.237989055	0.1	0.82	0.392253561	4.709747295	32480.4856
1237.2	0.904878137	5.402484427	0.237716548	0.1	0.82	0.391804415	4.704347854	32485.18995
1237.4	0.905008547	5.403263028	0.237445015	0.1	0.82	0.391356874	4.698967736	32489.88892
1237.6	0.905138814	5.404040773	0.237174451	0.1	0.82	0.39091093	4.693606824	32494.58252
1237.8	0.905268938	5.404817665	0.236904848	0.1	0.82	0.390466571	4.688265004	32499.27079
1238	0.905398919	5.405593705	0.236636203	0.1	0.82	0.390023789	4.68294216	32503.95373
1238.2	0.905528758	5.406368899	0.236368508	0.1	0.82	0.389582574	4.677638181	32508.63137
1238.4	0.905658456	5.407143247	0.236101758	0.1	0.82	0.389142918	4.672352953	32513.30372
1238.6	0.905788013	5.407916753	0.235835948	0.1	0.82	0.38870481	4.667086367	32517.97081
1238.8	0.905917429	5.40868942	0.235571073	0.1	0.82	0.388268242	4.661838311	32522.63265
1239	0.906046705	5.40946125	0.235307125	0.1	0.82	0.387833204	4.656608676	32527.28926
1239.2	0.906175842	5.410232248	0.235044102	0.1	0.82	0.387399688	4.651397354	32531.94065
1239.4	0.90630484	5.411002414	0.234781995	0.1	0.82	0.386967685	4.646204238	32536.58686
1239.6	0.906433698	5.411771753	0.234520802	0.1	0.82	0.386537185	4.64102922	32541.22789
1239.8	0.906562419	5.412540266	0.234260515	0.1	0.82	0.386108181	4.635872194	32545.86376
1240	0.906691002	5.413307958	0.23400113	0.1	0.82	0.385680662	4.630733057	32550.49449
1240.2	0.906819447	5.414074829	0.233742641	0.1	0.82	0.385254622	4.625611704	32555.1201
1240.4	0.906947756	5.414840884	0.233485044	0.1	0.82	0.38483005	4.620508031	32559.74061
1240.6	0.907075929	5.415606125	0.233228333	0.1	0.82	0.384406939	4.615421936	32564.35603
1240.8	0.907203965	5.416370554	0.232972504	0.1	0.82	0.383985281	4.610353319	32568.96639
1241	0.907331866	5.417134174	0.23271755	0.1	0.82	0.383565066	4.605302077	32573.57169
1241.2	0.907459632	5.417896988	0.232463467	0.1	0.82	0.383146286	4.600268112	32578.17196
1241.4	0.907587264	5.418658999	0.23221025	0.1	0.82	0.382728934	4.595251323	32582.76721
1241.6	0.907714761	5.419420209	0.231957894	0.1	0.82	0.382313001	4.590251614	32587.35746
1241.8	0.907842125	5.420180621	0.231706395	0.1	0.82	0.38189848	4.585268885	32591.94273
1242	0.907969355	5.420940237	0.231455746	0.1	0.82	0.381485361	4.580303041	32596.52303
1242.2	0.908096453	5.421699061	0.231205944	0.1	0.82	0.381073637	4.575353986	32601.09839
1242.4	0.908223418	5.422457094	0.230956984	0.1	0.82	0.3806633	4.570421624	32605.66881
1242.6	0.908350251	5.423214339	0.23070886	0.1	0.82	0.380254343	4.565505861	32610.23431
1242.8	0.908476953	5.423970799	0.230461569	0.1	0.82	0.379846757	4.560606604	32614.79492
1243	0.908603523	5.424726476	0.230215105	0.1	0.82	0.379440536	4.555723759	32619.35064
1243.2	0.908729963	5.425481373	0.229969464	0.1	0.82	0.37903567	4.550857233	32623.9015
1243.4	0.908856273	5.426235492	0.229724641	0.1	0.82	0.378632153	4.546006937	32628.44751
1243.6	0.908982453	5.426988836	0.229480631	0.1	0.82	0.378229977	4.541172778	32632.98868
1243.8	0.909108503	5.427741408	0.229237431	0.1	0.82	0.377829134	4.536354667	32637.52504
1244	0.909234425	5.428493209	0.228995036	0.1	0.82	0.377429618	4.531552515	32642.05659
1244.2	0.909360218	5.429244243	0.228753441	0.1	0.82	0.377031421	4.526766232	32646.58335
1244.4	0.909485882	5.429994511	0.228512641	0.1	0.82	0.376634535	4.521995732	32651.10535
1244.6	0.909611419	5.430744016	0.228272633	0.1	0.82	0.376238953	4.517240926	32655.62259
1244.8	0.909736829	5.431492761	0.228033411	0.1	0.82	0.375844668	4.512501728	32660.13509
1245	0.909862111	5.432240748	0.227794972	0.1	0.82	0.375451674	4.507778052	32664.64287
1245.2	0.909987267	5.432987979	0.227557312	0.1	0.82	0.375059962	4.503069813	32669.14594
1245.4	0.910112297	5.433734457	0.227320426	0.1	0.82	0.374669526	4.498376926	32673.64432
1245.6	0.910237201	5.434480184	0.227084309	0.1	0.82	0.374280359	4.493699307	32678.13802
1245.8	0.910361979	5.435225162	0.226848959	0.1	0.82	0.373892454	4.489036873	32682.62705
1246	0.910486633	5.435969395	0.226614369	0.1	0.82	0.373505803	4.484389542	32687.11144
1246.2	0.910611162	5.436712883	0.226380537	0.1	0.82	0.373120402	4.47975723	32691.5912
1246.4	0.910735567	5.43745563	0.226147459	0.1	0.82	0.372736241	4.475139858	32696.06634
1246.6	0.910859848	5.438197637	0.225915129	0.1	0.82	0.372353316	4.470537343	32700.53688
1246.8	0.910984006	5.438938908	0.225683545	0.1	0.82	0.371971619	4.465949606	32705.00283
1247	0.91110804	5.439679444	0.225452702	0.1	0.82	0.371591143	4.461376568	32709.4642

1247.2	0.911231952	5.440419248	0.225222596	0.1	0.82	0.371211882	4.456818149	32713.92102
1247.4	0.911355742	5.441158321	0.224993223	0.1	0.82	0.37083383	4.45227427	32718.3733
1247.6	0.91147941	5.441896667	0.224764579	0.1	0.82	0.370456979	4.447744855	32722.82104
1247.8	0.911602956	5.442634287	0.224536661	0.1	0.82	0.370081325	4.443229825	32727.26427
1248	0.911726381	5.443371184	0.224309464	0.1	0.82	0.369706859	4.438729105	32731.703
1248.2	0.911849685	5.444107359	0.224082986	0.1	0.82	0.369333577	4.434242618	32736.13724
1248.4	0.911972869	5.444842816	0.223857221	0.1	0.82	0.368961471	4.429770288	32740.56701
1248.6	0.912095933	5.445577555	0.223632166	0.1	0.82	0.368590536	4.425312041	32744.99233
1248.8	0.912218877	5.44631158	0.223407817	0.1	0.82	0.368220765	4.420867803	32749.41319
1249	0.912341701	5.447044893	0.223184172	0.1	0.82	0.367852152	4.416437499	32753.82963
1249.2	0.912464407	5.447777495	0.222961225	0.1	0.82	0.367484691	4.412021056	32758.24165
1249.4	0.912586994	5.44850939	0.222738973	0.1	0.82	0.367118376	4.407618402	32762.64927
1249.6	0.912709463	5.449240578	0.222517414	0.1	0.82	0.366753201	4.403229464	32767.0525
1249.8	0.912831814	5.449971062	0.222296542	0.1	0.82	0.366389161	4.398854171	32771.45135
1250	0.912954047	5.450700845	0.222076355	0.1	0.82	0.366026248	4.394492451	32775.84585
1250.2	0.913076164	5.451429927	0.221856848	0.1	0.82	0.365664458	4.390144234	32780.23599
1250.4	0.913198163	5.452158313	0.22163802	0.1	0.82	0.365303784	4.385809449	32784.6218
1250.6	0.913320046	5.452886003	0.221419865	0.1	0.82	0.364944221	4.381488028	32789.00329
1250.8	0.913441813	5.453612999	0.22120238	0.1	0.82	0.364585763	4.377179901	32793.38047
1251	0.913563464	5.454339304	0.220985562	0.1	0.82	0.364228404	4.372884999	32797.75335
1251.2	0.913684999	5.45506492	0.220769408	0.1	0.82	0.363872139	4.368603255	32802.12196
1251.4	0.91380642	5.455789848	0.220553914	0.1	0.82	0.363516961	4.3643346	32806.48629
1251.6	0.913927725	5.456514092	0.220339077	0.1	0.82	0.363162867	4.360078968	32810.84637
1251.8	0.914048917	5.457237652	0.220124893	0.1	0.82	0.362809849	4.355836292	32815.20221
1252	0.914169994	5.45796053	0.219911359	0.1	0.82	0.362457902	4.351606506	32819.55381
1252.2	0.914290957	5.45868273	0.219698472	0.1	0.82	0.362107022	4.347389544	32823.9012
1252.4	0.914411807	5.459404253	0.219486228	0.1	0.82	0.361757202	4.34318534	32828.24439
1252.6	0.914532544	5.4601251	0.219274625	0.1	0.82	0.361408437	4.338993831	32832.58338
1252.8	0.914653168	5.460845274	0.219063658	0.1	0.82	0.361060722	4.334814952	32836.9182
1253	0.91477368	5.461564777	0.218853326	0.1	0.82	0.360714051	4.330648639	32841.24884
1253.2	0.914894079	5.46228361	0.218643623	0.1	0.82	0.36036842	4.326494828	32845.57534
1253.4	0.915014367	5.463001776	0.218434548	0.1	0.82	0.360023823	4.322353457	32849.89769
1253.6	0.915134543	5.463719277	0.218226098	0.1	0.82	0.359680254	4.318224463	32854.21592
1253.8	0.915254608	5.464436114	0.218018268	0.1	0.82	0.35933771	4.314107785	32858.53003
1254	0.915374563	5.46515229	0.217811057	0.1	0.82	0.358996184	4.31000336	32862.84003
1254.2	0.915494407	5.465867805	0.21760446	0.1	0.82	0.358655671	4.305911127	32867.14594
1254.4	0.91561414	5.466582663	0.217398475	0.1	0.82	0.358316167	4.301831026	32871.44777
1254.6	0.915733764	5.467296865	0.217193099	0.1	0.82	0.357977666	4.297762996	32875.74553
1254.8	0.915853278	5.468010413	0.216988329	0.1	0.82	0.357640164	4.293706978	32880.03924
1255	0.915972683	5.468723309	0.216784161	0.1	0.82	0.357303655	4.289662912	32884.3289
1255.2	0.91609198	5.469435555	0.216580594	0.1	0.82	0.356968135	4.285630738	32888.61453
1255.4	0.916211167	5.470147152	0.216377623	0.1	0.82	0.356633598	4.281610399	32892.89614
1255.6	0.916330246	5.470858102	0.216175246	0.1	0.82	0.356300041	4.277601835	32897.17375
1255.8	0.916449217	5.471568408	0.21597346	0.1	0.82	0.355967457	4.27360499	32901.44735
1256	0.916568081	5.472278071	0.215772263	0.1	0.82	0.355635843	4.269619805	32905.71697
1256.2	0.916686837	5.472987092	0.21557165	0.1	0.82	0.355305194	4.265646223	32909.98262
1256.4	0.916805486	5.473695475	0.21537162	0.1	0.82	0.354975504	4.261684189	32914.2443
1256.6	0.916924028	5.474403219	0.21517217	0.1	0.82	0.35464677	4.257733645	32918.50204
1256.8	0.917042464	5.475110329	0.214973296	0.1	0.82	0.354318986	4.253794535	32922.75583
1257	0.917160794	5.475816804	0.214774996	0.1	0.82	0.353992148	4.249866805	32927.0057
1257.2	0.917279018	5.476522646	0.214577267	0.1	0.82	0.353666252	4.245950399	32931.25165
1257.4	0.917397136	5.477227859	0.214380107	0.1	0.82	0.353341292	4.242045262	32935.49369
1257.6	0.917515149	5.477932443	0.214183512	0.1	0.82	0.353017265	4.23815134	32939.73184

1257.8	0.917633056	5.4786364	0.21398748	0.1	0.82	0.352694165	4.234268578	32943.96611
1258	0.917750859	5.479339731	0.213792009	0.1	0.82	0.352371989	4.230396924	32948.19651
1258.2	0.917868558	5.48004244	0.213597095	0.1	0.82	0.352050732	4.226536324	32952.42305
1258.4	0.917986153	5.480744526	0.213402736	0.1	0.82	0.351730389	4.222686724	32956.64573
1258.6	0.918103643	5.481445993	0.213208929	0.1	0.82	0.351410956	4.218848073	32960.86458
1258.8	0.918221031	5.482146841	0.213015672	0.1	0.82	0.35109243	4.215020318	32965.0796
1259	0.918338315	5.482847073	0.212822961	0.1	0.82	0.350774805	4.211203407	32969.2908
1259.2	0.918455495	5.48354669	0.212630795	0.1	0.82	0.350458077	4.207397289	32973.4982
1259.4	0.918572574	5.484245693	0.212439171	0.1	0.82	0.350142242	4.203601912	32977.7018
1259.6	0.918689549	5.484944086	0.212248086	0.1	0.82	0.349827296	4.199817226	32981.90162
1259.8	0.918806423	5.485641868	0.212057538	0.1	0.82	0.349513234	4.19604318	32986.09766
1260	0.918923195	5.486339042	0.211867524	0.1	0.82	0.349200053	4.192279724	32990.28994
1260.2	0.919039865	5.487035609	0.211678042	0.1	0.82	0.348887748	4.188526808	32994.47847
1260.4	0.919156434	5.487731572	0.211489088	0.1	0.82	0.348576315	4.184784382	32998.66325
1260.6	0.919272902	5.488426932	0.211300662	0.1	0.82	0.348265751	4.181052398	33002.84431
1260.8	0.919389269	5.489121689	0.21111276	0.1	0.82	0.34795605	4.177330807	33007.02164
1261	0.919505535	5.489815847	0.210925379	0.1	0.82	0.34764721	4.173619559	33011.19526
1261.2	0.919621701	5.490509407	0.210738518	0.1	0.82	0.347339225	4.169918607	33015.36518
1261.4	0.919737768	5.491202369	0.210552173	0.1	0.82	0.347032092	4.166227903	33019.5314
1261.6	0.919853735	5.491894737	0.210366344	0.1	0.82	0.346725808	4.162547399	33023.69395
1261.8	0.919969602	5.492586511	0.210181026	0.1	0.82	0.346420367	4.158877048	33027.85283
1262	0.92008537	5.493277693	0.209996218	0.1	0.82	0.346115767	4.155216803	33032.00805
1262.2	0.920201039	5.493968284	0.209811918	0.1	0.82	0.345812003	4.151566617	33036.15961
1262.4	0.92031661	5.494658287	0.209628122	0.1	0.82	0.345509071	4.147926444	33040.30754
1262.6	0.920432082	5.495347702	0.20944483	0.1	0.82	0.345206968	4.144296238	33044.45183
1262.8	0.920547456	5.496036532	0.209262038	0.1	0.82	0.34490569	4.140675953	33048.59251
1263	0.920662732	5.496724778	0.209079744	0.1	0.82	0.344605233	4.137065543	33052.72958
1263.2	0.920777911	5.497412441	0.208897946	0.1	0.82	0.344305594	4.133464964	33056.86304
1263.4	0.920892993	5.498099523	0.208716641	0.1	0.82	0.344006768	4.12987417	33060.99292
1263.6	0.921007977	5.498786026	0.208535828	0.1	0.82	0.343708752	4.126293117	33065.11921
1263.8	0.921122864	5.49947195	0.208355504	0.1	0.82	0.343411542	4.12272176	33069.24193
1264	0.921237655	5.500157298	0.208175667	0.1	0.82	0.343115134	4.119160056	33073.36109
1264.2	0.92135235	5.500842071	0.207996315	0.1	0.82	0.342819526	4.115607961	33077.4767
1264.4	0.921466949	5.501526271	0.207817445	0.1	0.82	0.342524713	4.112065431	33081.58876
1264.6	0.921581452	5.502209898	0.207639055	0.1	0.82	0.342230691	4.108532422	33085.6973
1264.8	0.921695859	5.502892956	0.207461144	0.1	0.82	0.341937458	4.105008893	33089.8023
1265	0.921810171	5.503575444	0.207283709	0.1	0.82	0.341645009	4.1014948	33093.9038
1265.2	0.921924388	5.504257365	0.207106748	0.1	0.82	0.341353341	4.097990101	33098.00179
1265.4	0.92203851	5.504938719	0.206930258	0.1	0.82	0.341062451	4.094494754	33102.09628
1265.6	0.922152537	5.505619509	0.206754238	0.1	0.82	0.340772335	4.091008717	33106.18729
1265.8	0.922266471	5.506299736	0.206578686	0.1	0.82	0.34048299	4.087531949	33110.27483
1266	0.92238031	5.506979402	0.206403599	0.1	0.82	0.340194411	4.084064407	33114.35889
1266.2	0.922494055	5.507658507	0.206228975	0.1	0.82	0.339906597	4.080606052	33118.4395
1266.4	0.922607707	5.508337053	0.206054813	0.1	0.82	0.339619543	4.077156841	33122.51665
1266.6	0.922721265	5.509015043	0.20588111	0.1	0.82	0.339333246	4.073716735	33126.59037
1266.8	0.922834731	5.509692476	0.205707865	0.1	0.82	0.339047703	4.070285693	33130.66065
1267	0.922948103	5.510369355	0.205535075	0.1	0.82	0.33876291	4.066863676	33134.72752
1267.2	0.923061383	5.51104568	0.205362737	0.1	0.82	0.338478864	4.063450643	33138.79097
1267.4	0.92317457	5.511721454	0.205190852	0.1	0.82	0.338195562	4.060046554	33142.85102
1267.6	0.923287666	5.512396678	0.205019415	0.1	0.82	0.337913	4.056651371	33146.90767
1267.8	0.923400669	5.513071353	0.204848426	0.1	0.82	0.337631176	4.053265055	33150.96093
1268	0.92351358	5.513745481	0.204677882	0.1	0.82	0.337350085	4.049887566	33155.01082
1268.2	0.923626401	5.514419062	0.204507782	0.1	0.82	0.337069726	4.046518866	33159.05734

1268.4	0.92373913	5.515092099	0.204338123	0.1	0.82	0.336790094	4.043158916	33163.1005
1268.6	0.923851768	5.515764593	0.204168903	0.1	0.82	0.336511186	4.039807679	33167.14031
1268.8	0.923964315	5.516436544	0.204000121	0.1	0.82	0.336233	4.036465117	33171.17677
1269	0.924076771	5.517107955	0.203831775	0.1	0.82	0.335955532	4.033131191	33175.2099
1269.2	0.924189138	5.517778827	0.203663863	0.1	0.82	0.335678779	4.029805864	33179.23971
1269.4	0.924301414	5.518449161	0.203496383	0.1	0.82	0.335402738	4.0264891	33183.2662
1269.6	0.9244136	5.519118959	0.203329332	0.1	0.82	0.335127406	4.023180861	33187.28938
1269.8	0.924525697	5.519788221	0.20316271	0.1	0.82	0.334852779	4.019881111	33191.30926
1270	0.924637704	5.52045695	0.202996515	0.1	0.82	0.334578856	4.016589812	33195.32585
1270.2	0.924749622	5.521125146	0.202830744	0.1	0.82	0.334305632	4.013306929	33199.33916
1270.4	0.924861452	5.52179281	0.202665396	0.1	0.82	0.334033105	4.010032425	33203.34919
1270.6	0.924973192	5.522459945	0.202500469	0.1	0.82	0.333761272	4.006766265	33207.35595
1270.8	0.925084844	5.523126552	0.20233596	0.1	0.82	0.33349013	4.003508413	33211.35946
1271	0.925196407	5.523792631	0.20217187	0.1	0.82	0.333219676	4.000258834	33215.35972
1271.2	0.925307883	5.524458184	0.202008195	0.1	0.82	0.332949906	3.997017491	33219.35674
1271.4	0.92541927	5.525123213	0.201844933	0.1	0.82	0.332680819	3.993784351	33223.35052
1271.6	0.92553057	5.525787718	0.201682084	0.1	0.82	0.332412411	3.990559378	33227.34108
1271.8	0.925641783	5.526451701	0.201519645	0.1	0.82	0.332144679	3.987342538	33231.32842
1272	0.925752908	5.527115163	0.201357615	0.1	0.82	0.33187762	3.984133796	33235.31256
1272.2	0.925863946	5.527778106	0.201195991	0.1	0.82	0.331611233	3.980933119	33239.29349
1272.4	0.925974898	5.528440531	0.201034773	0.1	0.82	0.331345513	3.977740471	33243.27123
1272.6	0.926085763	5.529102438	0.200873958	0.1	0.82	0.331080457	3.97455582	33247.24579
1272.8	0.926196541	5.52976383	0.200713545	0.1	0.82	0.330816064	3.971379132	33251.21717
1273	0.926307234	5.530424708	0.200553532	0.1	0.82	0.330552331	3.968210373	33255.18538
1273.2	0.92641784	5.531085072	0.200393917	0.1	0.82	0.330289254	3.96504951	33259.15043
1273.4	0.926528361	5.531744924	0.200234699	0.1	0.82	0.330026831	3.96189651	33263.11232
1273.6	0.926638796	5.532404266	0.200075876	0.1	0.82	0.329765059	3.95875134	33267.07107
1273.8	0.926749145	5.533063098	0.199917447	0.1	0.82	0.329503936	3.955613968	33271.02669
1274	0.92685941	5.533721422	0.199759409	0.1	0.82	0.329243458	3.952484362	33274.97917
1274.2	0.92696959	5.534379239	0.199601762	0.1	0.82	0.328983623	3.949362488	33278.92854
1274.4	0.927079685	5.535036549	0.199444503	0.1	0.82	0.328724429	3.946248315	33282.87478
1274.6	0.927189695	5.535693356	0.199287631	0.1	0.82	0.328465873	3.943141812	33286.81793
1274.8	0.927299621	5.536349659	0.199131144	0.1	0.82	0.328207951	3.940042945	33290.75797
1275	0.927409463	5.53700546	0.198975041	0.1	0.82	0.327950663	3.936951685	33294.69492
1275.2	0.927519221	5.537660759	0.19881932	0.1	0.82	0.327694004	3.933867999	33298.62879
1275.4	0.927628896	5.538315559	0.19866398	0.1	0.82	0.327437972	3.930791856	33302.55958
1275.6	0.927738487	5.538969861	0.198509019	0.1	0.82	0.327182565	3.927723226	33306.4873
1275.8	0.927847994	5.539623665	0.198354436	0.1	0.82	0.326927781	3.924662078	33310.41197
1276	0.927957419	5.540276972	0.198200228	0.1	0.82	0.326673616	3.92160838	33314.33357
1276.2	0.92806676	5.540929785	0.198046395	0.1	0.82	0.326420068	3.918562103	33318.25214
1276.4	0.928176019	5.541582104	0.197892935	0.1	0.82	0.326167135	3.915523217	33322.16766
1276.6	0.928285195	5.54223393	0.197739846	0.1	0.82	0.325914814	3.912491691	33326.08015
1276.8	0.928394289	5.542885264	0.197587127	0.1	0.82	0.325663102	3.909467495	33329.98962
1277	0.928503301	5.543536108	0.197434776	0.1	0.82	0.325411998	3.9064506	33333.89607
1277.2	0.928612231	5.544186463	0.197282792	0.1	0.82	0.325161498	3.903440976	33337.79951
1277.4	0.928721079	5.54483633	0.197131174	0.1	0.82	0.324911601	3.900438593	33341.69995
1277.6	0.928829846	5.54548571	0.196979919	0.1	0.82	0.324662303	3.897443423	33345.59739
1277.8	0.928938531	5.546134604	0.196829027	0.1	0.82	0.324413603	3.894455437	33349.49185
1278	0.929047135	5.546783013	0.196678496	0.1	0.82	0.324165498	3.891474605	33353.38332
1278.2	0.929155658	5.547430939	0.196528325	0.1	0.82	0.323917985	3.888500898	33357.27182
1278.4	0.9292641	5.548078382	0.196378512	0.1	0.82	0.323671063	3.885534289	33361.15736
1278.6	0.929372461	5.548725344	0.196229055	0.1	0.82	0.323424728	3.882574748	33365.03993
1278.8	0.929480743	5.549371826	0.196079954	0.1	0.82	0.32317898	3.879622248	33368.91955

1279	0.929588944	5.550017828	0.195931206	0.1	0.82	0.322933814	3.87667676	33372.79623
1279.2	0.929697064	5.550663353	0.195782811	0.1	0.82	0.322689229	3.873738256	33376.66997
1279.4	0.929805105	5.551308401	0.195634767	0.1	0.82	0.322445223	3.870806709	33380.54078
1279.6	0.929913067	5.551952973	0.195487072	0.1	0.82	0.322201793	3.867882091	33384.40866
1279.8	0.930020948	5.552597071	0.195339726	0.1	0.82	0.321958937	3.864964375	33388.27362
1280	0.930128751	5.553240694	0.195192727	0.1	0.82	0.321716652	3.862053533	33392.13568
1280.2	0.930236474	5.553883846	0.195046073	0.1	0.82	0.321474937	3.859149537	33395.99483
1280.4	0.930344119	5.554526526	0.194899763	0.1	0.82	0.32123379	3.856252362	33399.85108
1280.6	0.930451684	5.555168735	0.194753796	0.1	0.82	0.320993207	3.85336198	33403.70444
1280.8	0.930559171	5.555810476	0.194608171	0.1	0.82	0.320753187	3.850478364	33407.55492
1281	0.93066658	5.556451748	0.194462885	0.1	0.82	0.320513728	3.847601488	33411.40252
1281.2	0.93077391	5.557092553	0.194317939	0.1	0.82	0.320274827	3.844731325	33415.24725
1281.4	0.930881162	5.557732892	0.194173329	0.1	0.82	0.320036482	3.841867849	33419.08912
1281.6	0.930988337	5.558372766	0.194029056	0.1	0.82	0.319798691	3.839011035	33422.92813
1281.8	0.931095434	5.559012176	0.193885118	0.1	0.82	0.319561452	3.836160855	33426.76429
1282	0.931202453	5.559651124	0.193741513	0.1	0.82	0.319324762	3.833317284	33430.59761
1282.2	0.931309395	5.560289609	0.193598241	0.1	0.82	0.31908862	3.830480297	33434.42809
1282.4	0.931416259	5.560927634	0.193455299	0.1	0.82	0.318853024	3.827649867	33438.25574
1282.6	0.931523047	5.561565199	0.193312687	0.1	0.82	0.318617971	3.82482597	33442.08056
1282.8	0.931629758	5.562202305	0.193170403	0.1	0.82	0.318383459	3.822008579	33445.90257
1283	0.931736392	5.562838953	0.193028447	0.1	0.82	0.318149486	3.819197671	33449.72177
1283.2	0.931842949	5.563475145	0.192886816	0.1	0.82	0.31791605	3.81639322	33453.53816
1283.4	0.931949431	5.564110881	0.19274551	0.1	0.82	0.31768315	3.8135952	33457.35176
1283.6	0.932055836	5.564746162	0.192604527	0.1	0.82	0.317450782	3.810803588	33461.16256
1283.8	0.932162165	5.56538099	0.192463866	0.1	0.82	0.317218945	3.808018358	33464.97058
1284	0.932268418	5.566015366	0.192323527	0.1	0.82	0.316987636	3.805239487	33468.77582
1284.2	0.932374596	5.566649289	0.192183506	0.1	0.82	0.316756855	3.802466949	33472.57829
1284.4	0.932480699	5.567282762	0.192043804	0.1	0.82	0.316526598	3.799700721	33476.37799
1284.6	0.932586725	5.567915786	0.19190442	0.1	0.82	0.316296865	3.796940778	33480.17493
1284.8	0.932692677	5.568548361	0.191765351	0.1	0.82	0.316067652	3.794187097	33483.96912
1285	0.932798554	5.569180488	0.191626597	0.1	0.82	0.315838957	3.791439653	33487.76056
1285.2	0.932904356	5.569812169	0.191488157	0.1	0.82	0.31561078	3.788698423	33491.54925
1285.4	0.933010084	5.570443404	0.191350029	0.1	0.82	0.315383117	3.785963384	33495.33522
1285.6	0.933115737	5.571074194	0.191212212	0.1	0.82	0.315155968	3.783234512	33499.11845
1285.8	0.933221315	5.571704541	0.191074705	0.1	0.82	0.314929329	3.780511783	33502.89896
1286	0.93332682	5.572334445	0.190937507	0.1	0.82	0.3147032	3.777795174	33506.67676
1286.2	0.93343225	5.572963908	0.190800617	0.1	0.82	0.314477577	3.775084663	33510.45184
1286.4	0.933537607	5.573592929	0.190664034	0.1	0.82	0.31425246	3.772380226	33514.22422
1286.6	0.93364289	5.574221511	0.190527755	0.1	0.82	0.314027847	3.769681841	33517.99391
1286.8	0.9337481	5.574849654	0.190391781	0.1	0.82	0.313803734	3.766989484	33521.7609
1287	0.933853236	5.575477359	0.190256111	0.1	0.82	0.313580121	3.764303134	33525.5252
1287.2	0.933958299	5.576104627	0.190120742	0.1	0.82	0.313357006	3.761622767	33529.28682
1287.4	0.934063289	5.57673146	0.189985674	0.1	0.82	0.313134387	3.758948361	33533.04577
1287.6	0.934168206	5.577357857	0.189850905	0.1	0.82	0.312912262	3.756279895	33536.80205
1287.8	0.93427305	5.57798382	0.189716435	0.1	0.82	0.312690629	3.753617345	33540.55567
1288	0.934377822	5.57860935	0.189582263	0.1	0.82	0.312469486	3.75096069	33544.30663
1288.2	0.934482522	5.579234448	0.189448387	0.1	0.82	0.312248832	3.748309908	33548.05494
1288.4	0.934587149	5.579859114	0.189314807	0.1	0.82	0.312028664	3.745664978	33551.8006
1288.6	0.934691704	5.580483351	0.18918152	0.1	0.82	0.311808982	3.743025877	33555.54363
1288.8	0.934796187	5.581107157	0.189048527	0.1	0.82	0.311589782	3.740392584	33559.28402
1289	0.934900599	5.581730536	0.188915826	0.1	0.82	0.311371064	3.737765078	33563.02179
1289.2	0.935004939	5.582353486	0.188783415	0.1	0.82	0.311152825	3.735143336	33566.75693
1289.4	0.935109207	5.58297601	0.188651295	0.1	0.82	0.310935064	3.732527339	33570.48946

1289.6	0.935213404	5.583598109	0.188519463	0.1	0.82	0.31071778	3.729917065	33574.21937
1289.8	0.93531753	5.584219782	0.18838792	0.1	0.82	0.310500969	3.727312492	33577.94669
1290	0.935421585	5.584841032	0.188256662	0.1	0.82	0.310284631	3.7247136	33581.6714
1290.2	0.935525569	5.585461858	0.188125691	0.1	0.82	0.310068764	3.722120369	33585.39352
1290.4	0.935629483	5.586082263	0.187995004	0.1	0.82	0.309853366	3.719532777	33589.11305
1290.6	0.935733325	5.586702246	0.187864601	0.1	0.82	0.309638435	3.716950804	33592.83
1290.8	0.935837098	5.587321809	0.18773448	0.1	0.82	0.30942397	3.714374429	33596.54438
1291	0.9359408	5.587940952	0.187604641	0.1	0.82	0.309209969	3.711803632	33600.25618
1291.2	0.936044432	5.588559677	0.187475082	0.1	0.82	0.30899643	3.709238393	33603.96542
1291.4	0.936147994	5.589177984	0.187345803	0.1	0.82	0.308783352	3.706678692	33607.6721
1291.6	0.936251486	5.589795874	0.187216802	0.1	0.82	0.308570733	3.704124508	33611.37622
1291.8	0.936354909	5.590413349	0.187088078	0.1	0.82	0.308358571	3.701575822	33615.0778
1292	0.936458262	5.591030408	0.186959632	0.1	0.82	0.308146865	3.699032614	33618.77683
1292.2	0.936561546	5.591647054	0.18683146	0.1	0.82	0.307935613	3.696494863	33622.47333
1292.4	0.93666476	5.592263285	0.186703563	0.1	0.82	0.307724813	3.693962551	33626.16729
1292.6	0.936767906	5.592879105	0.18657594	0.1	0.82	0.307514464	3.691435658	33629.85872
1292.8	0.936870982	5.593494513	0.186448589	0.1	0.82	0.307304564	3.688914164	33633.54764
1293	0.93697399	5.59410951	0.186321509	0.1	0.82	0.307095111	3.68639805	33637.23404
1293.2	0.937076929	5.594724097	0.1861947	0.1	0.82	0.306886105	3.683887296	33640.91792
1293.4	0.9371798	5.595338276	0.186068161	0.1	0.82	0.306677543	3.681381884	33644.59931
1293.6	0.937282602	5.595952046	0.18594189	0.1	0.82	0.306469423	3.678881795	33648.27819
1293.8	0.937385336	5.596565409	0.185815887	0.1	0.82	0.306261745	3.676387009	33651.95457
1294	0.937488002	5.597178365	0.185690151	0.1	0.82	0.306054506	3.673897508	33655.62847
1294.2	0.9375906	5.597790916	0.18556468	0.1	0.82	0.305847706	3.671413272	33659.29989
1294.4	0.93769313	5.598403062	0.185439474	0.1	0.82	0.305641342	3.668934284	33662.96882
1294.6	0.937795592	5.599014804	0.185314532	0.1	0.82	0.305435412	3.666460524	33666.63528
1294.8	0.937897987	5.599626143	0.185189854	0.1	0.82	0.305229917	3.663991974	33670.29927
1295	0.938000315	5.600237079	0.185065437	0.1	0.82	0.305024853	3.661528615	33673.9608
1295.2	0.938102575	5.600847614	0.184941281	0.1	0.82	0.304820219	3.65907043	33677.61987
1295.4	0.938204768	5.601457749	0.184817385	0.1	0.82	0.304616014	3.656617401	33681.27649
1295.6	0.938306895	5.602067484	0.184693749	0.1	0.82	0.304412237	3.654169507	33684.93066
1295.8	0.938408954	5.602676819	0.184570371	0.1	0.82	0.304208885	3.651726733	33688.58239
1296	0.938510947	5.603285757	0.18444725	0.1	0.82	0.304005958	3.64928906	33692.23167
1296.2	0.938612873	5.603894297	0.184324386	0.1	0.82	0.303803454	3.64685647	33695.87853
1296.4	0.938714733	5.604502441	0.184201778	0.1	0.82	0.303601371	3.644428945	33699.52296
1296.6	0.938816526	5.605110188	0.184079424	0.1	0.82	0.303399707	3.642006467	33703.16497
1296.8	0.938918254	5.605717541	0.183957325	0.1	0.82	0.303198463	3.63958902	33706.80456
1297	0.939019915	5.6063245	0.183835478	0.1	0.82	0.302997635	3.637176584	33710.44173
1297.2	0.93912151	5.606931065	0.183713883	0.1	0.82	0.302797223	3.634769144	33714.0765
1297.4	0.93922304	5.607537238	0.18359254	0.1	0.82	0.302597224	3.632366681	33717.70887
1297.6	0.939324504	5.608143019	0.183471447	0.1	0.82	0.302397639	3.629969179	33721.33884
1297.8	0.939425903	5.608748409	0.183350603	0.1	0.82	0.302198464	3.62757662	33724.96641
1298	0.939527236	5.609353409	0.183230008	0.1	0.82	0.3019997	3.625188987	33728.5916
1298.2	0.939628504	5.60995802	0.183109661	0.1	0.82	0.301801344	3.622806262	33732.21441
1298.4	0.939729707	5.610562242	0.182989561	0.1	0.82	0.301603395	3.62042843	33735.83484
1298.6	0.939830845	5.611166076	0.182869707	0.1	0.82	0.301405851	3.618055474	33739.45289
1298.8	0.939931918	5.611769523	0.182750098	0.1	0.82	0.301208712	3.615687375	33743.06858
1299	0.940032926	5.612372583	0.182630733	0.1	0.82	0.301011975	3.613324118	33746.6819
1299.2	0.94013387	5.612975259	0.182511612	0.1	0.82	0.30081564	3.610965687	33750.29287
1299.4	0.94023475	5.613577549	0.182392734	0.1	0.82	0.300619704	3.608612064	33753.90148
1299.6	0.940335565	5.614179456	0.182274098	0.1	0.82	0.300424168	3.606263233	33757.50774
1299.8	0.940436316	5.614780979	0.182155702	0.1	0.82	0.300229029	3.603919178	33761.11166
1300	0.940537003	5.61538212	0.182037547	0.1	0.82	0.300034285	3.601579883	33764.71324

1300.2	0.940637625	5.615982879	0.181919631	0.1	0.82	0.299839937	3.599245331	33768.31249
1300.4	0.940738185	5.616583257	0.181801954	0.1	0.82	0.299645981	3.596915505	33771.9094
1300.6	0.94083868	5.617183255	0.181684515	0.1	0.82	0.299452418	3.594590391	33775.504
1300.8	0.940939112	5.617782874	0.181567313	0.1	0.82	0.299259245	3.592269972	33779.09627
1301	0.94103948	5.618382114	0.181450346	0.1	0.82	0.299066461	3.589954233	33782.68622
1301.2	0.941139786	5.618980976	0.181333616	0.1	0.82	0.298874065	3.587643156	33786.27386
1301.4	0.941240028	5.619579461	0.181217119	0.1	0.82	0.298682056	3.585336727	33789.8592
1301.6	0.941340207	5.620177569	0.181100857	0.1	0.82	0.298490432	3.58303493	33793.44223
1301.8	0.941440323	5.620775302	0.180984827	0.1	0.82	0.298299193	3.580737749	33797.02297
1302	0.941540376	5.62137266	0.18086903	0.1	0.82	0.298108336	3.578445169	33800.60142
1302.2	0.941640366	5.621969643	0.180753464	0.1	0.82	0.29791786	3.576157175	33804.17757
1302.4	0.941740294	5.622566253	0.180638129	0.1	0.82	0.297727765	3.57387375	33807.75145
1302.6	0.94184016	5.623162491	0.180523024	0.1	0.82	0.297538048	3.57159488	33811.32304
1302.8	0.941939963	5.623758356	0.180408148	0.1	0.82	0.29734871	3.569320549	33814.89236
1303	0.942039704	5.62435385	0.1802935	0.1	0.82	0.297159747	3.567050742	33818.45941
1303.2	0.942139383	5.624948973	0.18017908	0.1	0.82	0.29697116	3.564785444	33822.0242
1303.4	0.942239	5.625543727	0.180064887	0.1	0.82	0.296782947	3.56252464	33825.58672
1303.6	0.942338555	5.626138111	0.17995092	0.1	0.82	0.296595106	3.560268315	33829.14699
1303.8	0.942438049	5.626732127	0.179837178	0.1	0.82	0.296407637	3.558016455	33832.70501
1304	0.942537481	5.627325775	0.179723661	0.1	0.82	0.296220537	3.555769044	33836.26078
1304.2	0.942636851	5.627919056	0.179610367	0.1	0.82	0.296033807	3.553526067	33839.8143
1304.4	0.94273616	5.628511971	0.179497297	0.1	0.82	0.295847445	3.55128751	33843.36559
1304.6	0.942835408	5.629104521	0.179384449	0.1	0.82	0.295661449	3.549053359	33846.91465
1304.8	0.942934595	5.629696705	0.179271822	0.1	0.82	0.295475818	3.546823598	33850.46147
1305	0.943033721	5.630288525	0.179159417	0.1	0.82	0.295290551	3.544598213	33854.00607
1305.2	0.943132785	5.630879982	0.179047232	0.1	0.82	0.295105647	3.542377191	33857.54844
1305.4	0.943231789	5.631471076	0.178935266	0.1	0.82	0.294921105	3.540160515	33861.0886
1305.6	0.943330733	5.632061807	0.178823519	0.1	0.82	0.294736924	3.537948173	33864.62655
1305.8	0.943429616	5.632652178	0.17871199	0.1	0.82	0.294553101	3.53574015	33868.16229
1306	0.943528438	5.633242188	0.178600678	0.1	0.82	0.294369637	3.533536432	33871.69583
1306.2	0.9436272	5.633831837	0.178489583	0.1	0.82	0.29418653	3.531337005	33875.22717
1306.4	0.943725902	5.634421128	0.178378703	0.1	0.82	0.294003779	3.529141854	33878.75631
1306.6	0.943824544	5.635010059	0.178268039	0.1	0.82	0.293821382	3.526950966	33882.28326
1306.8	0.943923126	5.635598633	0.178157589	0.1	0.82	0.293639339	3.524764327	33885.80802
1307	0.944021648	5.636186849	0.178047354	0.1	0.82	0.293457648	3.522581923	33889.33061
1307.2	0.944120111	5.636774709	0.177937331	0.1	0.82	0.293276309	3.52040374	33892.85101
1307.4	0.944218513	5.637362213	0.17782752	0.1	0.82	0.293095319	3.518229765	33896.36924
1307.6	0.944316857	5.637949361	0.177717922	0.1	0.82	0.292914678	3.516059984	33899.8853
1307.8	0.944415141	5.638536155	0.177608534	0.1	0.82	0.292734385	3.513894383	33903.39919
1308	0.944513365	5.639122596	0.177499356	0.1	0.82	0.292554439	3.511732949	33906.91093
1308.2	0.944611531	5.639708682	0.177390389	0.1	0.82	0.292374839	3.509575668	33910.4205
1308.4	0.944709637	5.640294416	0.17728163	0.1	0.82	0.292195583	3.507422528	33913.92792
1308.6	0.944807684	5.640879799	0.17717308	0.1	0.82	0.29201667	3.505273514	33917.4332
1308.8	0.944905673	5.64146483	0.177064737	0.1	0.82	0.291838099	3.503128613	33920.93633
1309	0.945003603	5.64204951	0.176956601	0.1	0.82	0.29165987	3.500987813	33924.43731
1309.2	0.945101474	5.64263384	0.176848671	0.1	0.82	0.29148198	3.498851099	33927.93617
1309.4	0.945199287	5.643217822	0.176740948	0.1	0.82	0.29130443	3.49671846	33931.43288
1309.6	0.945297041	5.643801454	0.176633429	0.1	0.82	0.291127217	3.494589881	33934.92747
1309.8	0.945394737	5.644384738	0.176526114	0.1	0.82	0.290950341	3.492465351	33938.41994
1310	0.945492375	5.644967676	0.176419003	0.1	0.82	0.290773801	3.490344855	33941.91028
1310.2	0.945589955	5.645550266	0.176312095	0.1	0.82	0.290597596	3.488228381	33945.39851
1310.4	0.945687477	5.64613251	0.17620539	0.1	0.82	0.290421724	3.486115917	33948.88463
1310.6	0.945784941	5.646714409	0.176098886	0.1	0.82	0.290246184	3.48400745	33952.36864

1310.8	0.945882347	5.647295963	0.175992584	0.1	0.82	0.290070977	3.481902966	33955.85054
1311	0.945979695	5.647877173	0.175886482	0.1	0.82	0.289896099	3.479802453	33959.33034
1311.2	0.946076986	5.64845804	0.175780579	0.1	0.82	0.289721551	3.477705899	33962.80805
1311.4	0.94617422	5.649038563	0.175674876	0.1	0.82	0.289547331	3.475613292	33966.28366
1311.6	0.946271396	5.649618745	0.175569372	0.1	0.82	0.289373439	3.473524618	33969.75719
1311.8	0.946368515	5.650198584	0.175464065	0.1	0.82	0.289199872	3.471439865	33973.22862
1312	0.946465577	5.650778083	0.175358956	0.1	0.82	0.289026631	3.469359021	33976.69798
1312.2	0.946562582	5.651357242	0.175254043	0.1	0.82	0.288853714	3.467282074	33980.16527
1312.4	0.94665953	5.65193606	0.175149327	0.1	0.82	0.288681121	3.465209011	33983.63048
1312.6	0.946756422	5.65251454	0.175044806	0.1	0.82	0.288508849	3.463139821	33987.09361
1312.8	0.946853256	5.653092681	0.17494048	0.1	0.82	0.288336899	3.46107449	33990.55469
1313	0.946950034	5.653670484	0.174836348	0.1	0.82	0.288165269	3.459013007	33994.0137
1313.2	0.947046756	5.65424795	0.17473241	0.1	0.82	0.287993958	3.456955361	33997.47066
1313.4	0.947143421	5.654825079	0.174628665	0.1	0.82	0.287822965	3.454901538	34000.92556
1313.6	0.94724003	5.655401873	0.174525112	0.1	0.82	0.287652289	3.452851527	34004.37841
1313.8	0.947336582	5.655978331	0.174421751	0.1	0.82	0.28748193	3.450805317	34007.82922
1314	0.947433079	5.656554454	0.174318581	0.1	0.82	0.287311886	3.448762895	34011.27798
1314.2	0.947529519	5.657130243	0.174215602	0.1	0.82	0.287142156	3.446724249	34014.7247
1314.4	0.947625904	5.657705698	0.174112813	0.1	0.82	0.286972739	3.444689368	34018.16939
1314.6	0.947722233	5.65828082	0.174010214	0.1	0.82	0.286803634	3.44265824	34021.61205
1314.8	0.947818506	5.65885561	0.173907803	0.1	0.82	0.286634841	3.440630854	34025.05268
1315	0.947914724	5.659430068	0.173805581	0.1	0.82	0.286466358	3.438607198	34028.49129
1315.2	0.948010886	5.660004195	0.173703546	0.1	0.82	0.286298185	3.43658726	34031.92788
1315.4	0.948106993	5.660577991	0.173601699	0.1	0.82	0.28613032	3.434571029	34035.36245
1315.6	0.948203045	5.661151458	0.173500038	0.1	0.82	0.285962762	3.432558494	34038.79501
1315.8	0.948299041	5.661724595	0.173398563	0.1	0.82	0.285795511	3.430549643	34042.22556
1316	0.948394982	5.662297403	0.173297273	0.1	0.82	0.285628566	3.428544465	34045.6541
1316.2	0.948490869	5.662869883	0.173196169	0.1	0.82	0.285461925	3.426542949	34049.08064
1316.4	0.9485867	5.663442035	0.173095248	0.1	0.82	0.285295588	3.424545083	34052.50519
1316.6	0.948682477	5.66401386	0.172994512	0.1	0.82	0.285129554	3.422550856	34055.92774
1316.8	0.948778199	5.664585359	0.172893958	0.1	0.82	0.284963822	3.420560257	34059.3483
1317	0.948873866	5.665156532	0.172793587	0.1	0.82	0.284798391	3.418573275	34062.76687
1317.2	0.948969479	5.66572738	0.172693398	0.1	0.82	0.284633259	3.416589899	34066.18346
1317.4	0.949065038	5.666297902	0.172593391	0.1	0.82	0.284468427	3.414610119	34069.59807
1317.6	0.949160542	5.666868101	0.172493565	0.1	0.82	0.284303893	3.412633922	34073.01071
1317.8	0.949255992	5.667437976	0.172393919	0.1	0.82	0.284139657	3.410661298	34076.42137
1318	0.949351388	5.668007528	0.172294452	0.1	0.82	0.283975716	3.408692237	34079.83006
1318.2	0.94944673	5.668576758	0.172195165	0.1	0.82	0.283812072	3.406726727	34083.23679
1318.4	0.949542018	5.669145666	0.172096057	0.1	0.82	0.283648721	3.404764758	34086.64155
1318.6	0.949637253	5.669714253	0.171997127	0.1	0.82	0.283485665	3.40280632	34090.04436
1318.8	0.949732433	5.670282518	0.171898375	0.1	0.82	0.283322902	3.4008514	34093.44521
1319	0.94982756	5.670850464	0.1717998	0.1	0.82	0.28316043	3.39889999	34096.84411
1319.2	0.949922633	5.67141809	0.171701401	0.1	0.82	0.28299825	3.396952077	34100.24106
1319.4	0.950017653	5.671985397	0.171603179	0.1	0.82	0.282836359	3.395007652	34103.63607
1319.6	0.95011262	5.672552386	0.171505132	0.1	0.82	0.282674758	3.393066705	34107.02914
1319.8	0.950207533	5.673119057	0.17140726	0.1	0.82	0.282513446	3.391129224	34110.42026
1320	0.950302393	5.67368541	0.171309562	0.1	0.82	0.282352421	3.3891952	34113.80946
1320.2	0.950397201	5.674251446	0.171212039	0.1	0.82	0.282191683	3.387264622	34117.19672
1320.4	0.950491955	5.674817167	0.171114689	0.1	0.82	0.28203123	3.385337479	34120.58206
1320.6	0.950586656	5.675382571	0.171017512	0.1	0.82	0.281871063	3.383413762	34123.96548
1320.8	0.950681305	5.675947661	0.170920507	0.1	0.82	0.28171118	3.38149346	34127.34697
1321	0.9507759	5.676512436	0.170823675	0.1	0.82	0.28155158	3.379576563	34130.72655
1321.2	0.950870444	5.677076896	0.170727013	0.1	0.82	0.281392263	3.377663062	34134.10421

1321.4	0.950964934	5.677641044	0.170630523	0.1	0.82	0.281233228	3.375752945	34137.47996
1321.6	0.951059373	5.678204878	0.170534203	0.1	0.82	0.281074473	3.373846202	34140.85381
1321.8	0.951153759	5.6787684	0.170438052	0.1	0.82	0.280915998	3.371942825	34144.22575
1322	0.951248092	5.67933161	0.170342072	0.1	0.82	0.280757802	3.370042802	34147.59579
1322.2	0.951342374	5.679894509	0.17024626	0.1	0.82	0.280599885	3.368146125	34150.96394
1322.4	0.951436603	5.680457097	0.170150616	0.1	0.82	0.280442245	3.366252782	34154.33019
1322.6	0.951530781	5.681019374	0.17005514	0.1	0.82	0.280284882	3.364362765	34157.69456
1322.8	0.951624907	5.681581342	0.169959832	0.1	0.82	0.280127795	3.362476063	34161.05703
1323	0.95171898	5.682143001	0.16986469	0.1	0.82	0.279970983	3.360592666	34164.41762
1323.2	0.951813003	5.682704351	0.169769715	0.1	0.82	0.279814445	3.358712566	34167.77634
1323.4	0.951906973	5.683265393	0.169674906	0.1	0.82	0.27965818	3.356835751	34171.13317
1323.6	0.952000892	5.683826127	0.169580262	0.1	0.82	0.279502189	3.354962214	34174.48813
1323.8	0.95209476	5.684386555	0.169485784	0.1	0.82	0.279346469	3.353091943	34177.84123
1324	0.952188576	5.684946675	0.169391469	0.1	0.82	0.27919102	3.351224929	34181.19245
1324.2	0.952282341	5.68550649	0.169297319	0.1	0.82	0.279035841	3.349361164	34184.54181
1324.4	0.952376055	5.686065999	0.169203332	0.1	0.82	0.278880932	3.347500637	34187.88931
1324.6	0.952469718	5.686625203	0.169109508	0.1	0.82	0.278726291	3.345643338	34191.23496
1324.8	0.95256333	5.687184103	0.169015847	0.1	0.82	0.278571919	3.34378926	34194.57875
1325	0.95265689	5.687742699	0.168922348	0.1	0.82	0.278417813	3.341938391	34197.92068
1325.2	0.952750401	5.688300991	0.16882901	0.1	0.82	0.278263974	3.340090724	34201.26077
1325.4	0.95284386	5.688858981	0.168735833	0.1	0.82	0.278110401	3.338246248	34204.59902
1325.6	0.952937268	5.689416668	0.168642817	0.1	0.82	0.277957092	3.336404954	34207.93543
1325.8	0.953030627	5.689974053	0.168549962	0.1	0.82	0.277804047	3.334566833	34211.26999
1326	0.953123934	5.690531136	0.168457266	0.1	0.82	0.277651266	3.332731877	34214.60272
1326.2	0.953217191	5.691087919	0.168364729	0.1	0.82	0.277498747	3.330900075	34217.93362
1326.4	0.953310398	5.691644402	0.168272351	0.1	0.82	0.27734649	3.329071418	34221.2627
1326.6	0.953403555	5.692200585	0.168180132	0.1	0.82	0.277194493	3.327245899	34224.58994
1326.8	0.953496661	5.692756468	0.16808807	0.1	0.82	0.277042758	3.325423507	34227.91537
1327	0.953589718	5.693312052	0.167996166	0.1	0.82	0.276891281	3.323604233	34231.23897
1327.2	0.953682724	5.693867338	0.167904419	0.1	0.82	0.276740064	3.321788069	34234.56076
1327.4	0.953775681	5.694422327	0.167812829	0.1	0.82	0.276589104	3.319975006	34237.88073
1327.6	0.953868588	5.694977017	0.167721394	0.1	0.82	0.276438402	3.318165035	34241.1989
1327.8	0.953961445	5.695531412	0.167630115	0.1	0.82	0.276287956	3.316358146	34244.51526
1328	0.954054253	5.696085509	0.167538992	0.1	0.82	0.276137766	3.314554332	34247.82981
1328.2	0.95414701	5.696639311	0.167448023	0.1	0.82	0.275987831	3.312753583	34251.14256
1328.4	0.954239719	5.697192818	0.167357208	0.1	0.82	0.275838151	3.310955891	34254.45352
1328.6	0.954332378	5.697746029	0.167266548	0.1	0.82	0.275688724	3.309161246	34257.76268
1328.8	0.954424988	5.698298946	0.16717604	0.1	0.82	0.27553955	3.307369641	34261.07005
1329	0.954517548	5.69885157	0.167085686	0.1	0.82	0.275390628	3.305581067	34264.37563
1329.2	0.95461006	5.6994039	0.166995485	0.1	0.82	0.275241958	3.303795514	34267.67943
1329.4	0.954702522	5.699955937	0.166905435	0.1	0.82	0.275093538	3.302012975	34270.98144
1329.6	0.954794935	5.700507681	0.166815537	0.1	0.82	0.274945369	3.300233441	34274.28167
1329.8	0.9548873	5.701059134	0.166725791	0.1	0.82	0.274797449	3.298456903	34277.58013
1330	0.954979615	5.701610295	0.166636195	0.1	0.82	0.274649777	3.296683353	34280.87681
1330.2	0.955071882	5.702161165	0.16654675	0.1	0.82	0.274502353	3.294912783	34284.17173
1330.4	0.9551641	5.702711745	0.166457455	0.1	0.82	0.274355177	3.293145184	34287.46487
1330.6	0.95525627	5.703262034	0.166368309	0.1	0.82	0.274208247	3.291380547	34290.75625
1330.8	0.955348391	5.703812034	0.166279313	0.1	0.82	0.274061563	3.289618865	34294.04587
1331	0.955440464	5.704361745	0.166190465	0.1	0.82	0.273915125	3.287860129	34297.33373
1331.2	0.955532488	5.704911168	0.166101766	0.1	0.82	0.27376893	3.286104331	34300.61984
1331.4	0.955624464	5.705460302	0.166013214	0.1	0.82	0.27362298	3.284351462	34303.90419
1331.6	0.955716392	5.706009149	0.16592481	0.1	0.82	0.273477273	3.282601515	34307.18679
1331.8	0.955808272	5.706557708	0.165836554	0.1	0.82	0.273331808	3.28085448	34310.46764

1332	0.955900104	5.707105981	0.165748443	0.1	0.82	0.273186584	3.279110351	34313.74675
1332.2	0.955991888	5.707653967	0.165660479	0.1	0.82	0.273041602	3.277369119	34317.02412
1332.4	0.956083624	5.708201668	0.165572661	0.1	0.82	0.27289686	3.275630776	34320.29975
1332.6	0.956175312	5.708749083	0.165484989	0.1	0.82	0.272752358	3.273895313	34323.57365
1332.8	0.956266953	5.709296214	0.165397461	0.1	0.82	0.272608096	3.272162724	34326.84581
1333	0.956358546	5.70984306	0.165310078	0.1	0.82	0.272464071	3.270432999	34330.11624
1333.2	0.956450091	5.710389622	0.16522284	0.1	0.82	0.272320284	3.268706131	34333.38495
1333.4	0.956541589	5.710935901	0.165135745	0.1	0.82	0.272176734	3.266982112	34336.65193
1333.6	0.956633039	5.711481897	0.165048793	0.1	0.82	0.272033421	3.265260934	34339.91719
1333.8	0.956724442	5.71202761	0.164961985	0.1	0.82	0.271890344	3.263542589	34343.18074
1334	0.956815798	5.712573041	0.164875319	0.1	0.82	0.271747501	3.26182707	34346.44256
1334.2	0.956907107	5.713118191	0.164788796	0.1	0.82	0.271604893	3.260114368	34349.70268
1334.4	0.956998368	5.713663059	0.164702414	0.1	0.82	0.271462519	3.258404476	34352.96108
1334.6	0.957089583	5.714207647	0.164616174	0.1	0.82	0.271320378	3.256697387	34356.21778
1334.8	0.957180751	5.714751954	0.164530075	0.1	0.82	0.27117847	3.254993091	34359.47277
1335	0.957271871	5.715295981	0.164444117	0.1	0.82	0.271036794	3.253291582	34362.72606
1335.2	0.957362945	5.715839729	0.164358299	0.1	0.82	0.270895348	3.251592853	34365.97766
1335.4	0.957453973	5.716383199	0.164272621	0.1	0.82	0.270754134	3.249896894	34369.22755
1335.6	0.957544953	5.716926389	0.164187083	0.1	0.82	0.270613149	3.2482037	34372.47576
1335.8	0.957635887	5.717469302	0.164101683	0.1	0.82	0.270472394	3.246513262	34375.72227
1336	0.957726775	5.718011937	0.164016423	0.1	0.82	0.270331868	3.244825572	34378.9671
1336.2	0.957817616	5.718554295	0.163931301	0.1	0.82	0.27019157	3.243140624	34382.21024
1336.4	0.957908411	5.719096376	0.163846316	0.1	0.82	0.270051499	3.241458409	34385.4517
1336.6	0.957999159	5.719638181	0.16376147	0.1	0.82	0.269911655	3.239778921	34388.69147
1336.8	0.958089862	5.72017971	0.163676761	0.1	0.82	0.269772037	3.238102152	34391.92958
1337	0.958180518	5.720720964	0.163592189	0.1	0.82	0.269632645	3.236428094	34395.166
1337.2	0.958271128	5.721261943	0.163507753	0.1	0.82	0.269493478	3.234756741	34398.40076
1337.4	0.958361692	5.721802647	0.163423453	0.1	0.82	0.269354536	3.233088084	34401.63385
1337.6	0.958452211	5.722343078	0.16333929	0.1	0.82	0.269215817	3.231422117	34404.86527
1337.8	0.958542683	5.722883234	0.163255261	0.1	0.82	0.269077322	3.229758832	34408.09503
1338	0.95863311	5.723423118	0.163171368	0.1	0.82	0.268939049	3.228098222	34411.32313
1338.2	0.958723491	5.723962728	0.163087609	0.1	0.82	0.268800998	3.22644028	34414.54957
1338.4	0.958813826	5.724502067	0.163003985	0.1	0.82	0.268663168	3.224784998	34417.77435
1338.6	0.958904116	5.725041133	0.162920495	0.1	0.82	0.26852556	3.22313237	34420.99749
1338.8	0.95899436	5.725579928	0.162837138	0.1	0.82	0.268388171	3.221482388	34424.21897
1339	0.959084559	5.726118452	0.162753915	0.1	0.82	0.268251003	3.219835045	34427.4388
1339.2	0.959174713	5.726656705	0.162670825	0.1	0.82	0.268114053	3.218190334	34430.65699
1339.4	0.959264821	5.727194688	0.162587867	0.1	0.82	0.267977322	3.216548249	34433.87354
1339.6	0.959354884	5.727732401	0.162505041	0.1	0.82	0.267840808	3.214908781	34437.08845
1339.8	0.959444902	5.728269845	0.162422347	0.1	0.82	0.267704512	3.213271924	34440.30172
1340	0.959534875	5.72880702	0.162339785	0.1	0.82	0.267568433	3.211637672	34443.51336
1340.2	0.959624803	5.729343926	0.162257353	0.1	0.82	0.26743257	3.210006016	34446.72337
1340.4	0.959714686	5.729880564	0.162175053	0.1	0.82	0.267296922	3.20837695	34449.93174
1340.6	0.959804525	5.730416935	0.162092883	0.1	0.82	0.267161489	3.206750468	34453.13849
1340.8	0.959894318	5.730953038	0.162010843	0.1	0.82	0.267026271	3.205126562	34456.34362
1341	0.959984067	5.731488875	0.161928933	0.1	0.82	0.266891267	3.203505225	34459.54713
1341.2	0.960073771	5.732024445	0.161847152	0.1	0.82	0.266756475	3.201886451	34462.74901
1341.4	0.960163431	5.732559749	0.1617655	0.1	0.82	0.266621897	3.200270233	34465.94928
1341.6	0.960253046	5.733094787	0.161683977	0.1	0.82	0.266487531	3.198656565	34469.14794
1341.8	0.960342617	5.73362956	0.161602582	0.1	0.82	0.266353376	3.197045438	34472.34498
1342	0.960432143	5.734164069	0.161521315	0.1	0.82	0.266219432	3.195436847	34475.54042
1342.2	0.960521625	5.734698313	0.161440176	0.1	0.82	0.266085699	3.193830785	34478.73425
1342.4	0.960611063	5.735232293	0.161359165	0.1	0.82	0.265952175	3.192227245	34481.92648

1342.6	0.960700457	5.735766009	0.16127828	0.1	0.82	0.265818861	3.190626221	34485.11711
1342.8	0.960789807	5.736299463	0.161197522	0.1	0.82	0.265685756	3.189027706	34488.30613
1343	0.960879113	5.736832653	0.161116891	0.1	0.82	0.265552859	3.187431693	34491.49357
1343.2	0.960968374	5.737365582	0.161036385	0.1	0.82	0.26542017	3.185838176	34494.6794
1343.4	0.961057592	5.737898248	0.160956005	0.1	0.82	0.265287688	3.184247148	34497.86365
1343.6	0.961146766	5.738430653	0.160875751	0.1	0.82	0.265155412	3.182658603	34501.04631
1343.8	0.961235896	5.738962796	0.160795621	0.1	0.82	0.265023343	3.181072534	34504.22738
1344	0.961324983	5.739494679	0.160715617	0.1	0.82	0.264891479	3.179488935	34507.40687
1344.2	0.961414026	5.740026302	0.160635736	0.1	0.82	0.26475982	3.177907799	34510.58478
1344.4	0.961503026	5.740557665	0.16055598	0.1	0.82	0.264628366	3.17632912	34513.76111
1344.6	0.961591982	5.741088768	0.160476347	0.1	0.82	0.264497116	3.174752891	34516.93586
1344.8	0.961680894	5.741619612	0.160396838	0.1	0.82	0.264366069	3.173179106	34520.10904
1345	0.961769764	5.742150197	0.160317452	0.1	0.82	0.264235225	3.171607759	34523.28065
1345.2	0.96185859	5.742680524	0.160238189	0.1	0.82	0.264104583	3.170038844	34526.45069
1345.4	0.961947372	5.743210593	0.160159048	0.1	0.82	0.263974143	3.168472353	34529.61916
1345.6	0.962036112	5.743740404	0.160080029	0.1	0.82	0.263843904	3.166908282	34532.78607
1345.8	0.962124809	5.744269958	0.160001132	0.1	0.82	0.263713866	3.165346622	34535.95141
1346	0.962213462	5.744799255	0.159922357	0.1	0.82	0.263584029	3.163787369	34539.1152
1346.2	0.962302073	5.745328296	0.159843703	0.1	0.82	0.263454391	3.162230516	34542.27743
1346.4	0.962390641	5.745857081	0.159765169	0.1	0.82	0.263324952	3.160676057	34545.43811
1346.6	0.962479166	5.74638561	0.159686757	0.1	0.82	0.263195712	3.159123986	34548.59723
1346.8	0.962567648	5.746913885	0.159608464	0.1	0.82	0.26306667	3.157574295	34551.75481
1347	0.962656087	5.747441904	0.159530291	0.1	0.82	0.262937826	3.156026981	34554.91083
1347.2	0.962744484	5.747969668	0.159452238	0.1	0.82	0.262809179	3.154482035	34558.06531
1347.4	0.962832839	5.748497179	0.159374305	0.1	0.82	0.262680729	3.152939453	34561.21825
1347.6	0.96292115	5.749024436	0.15929649	0.1	0.82	0.262552475	3.151399227	34564.36965
1347.8	0.96300942	5.74955144	0.159218794	0.1	0.82	0.262424417	3.149861353	34567.51951
1348	0.963097647	5.75007819	0.159141217	0.1	0.82	0.262296554	3.148325823	34570.66784
1348.2	0.963185832	5.750604688	0.159063758	0.1	0.82	0.262168885	3.146792633	34573.81463
1348.4	0.963273974	5.751130934	0.158986416	0.1	0.82	0.262041411	3.145261776	34576.95989
1348.6	0.963362074	5.751656929	0.158909192	0.1	0.82	0.26191413	3.143733245	34580.10363
1348.8	0.963450133	5.752182671	0.158832085	0.1	0.82	0.261787043	3.142207036	34583.24584
1349	0.963538149	5.752708163	0.158755095	0.1	0.82	0.261660148	3.140683142	34586.38652
1349.2	0.963626123	5.753233404	0.158678222	0.1	0.82	0.261533445	3.139161558	34589.52568
1349.4	0.963714055	5.753758394	0.158601465	0.1	0.82	0.261406934	3.137642276	34592.66332
1349.6	0.963801945	5.754283135	0.158524824	0.1	0.82	0.261280615	3.136125293	34595.79945
1349.8	0.963889794	5.754807626	0.158448298	0.1	0.82	0.261154486	3.134610601	34598.93406
1350	0.963977601	5.755331868	0.158371889	0.1	0.82	0.261028547	3.133098195	34602.06716
1350.2	0.964065366	5.755855861	0.158295594	0.1	0.82	0.260902798	3.131588069	34605.19874
1350.4	0.96415309	5.756379606	0.158219414	0.1	0.82	0.260777238	3.130080217	34608.32882
1350.6	0.964240772	5.756903102	0.158143349	0.1	0.82	0.260651867	3.128574635	34611.4574
1350.8	0.964328412	5.757426351	0.158067398	0.1	0.82	0.260526685	3.127071315	34614.58447
1351	0.964416011	5.757949353	0.157991561	0.1	0.82	0.26040169	3.125570252	34617.71004
1351.2	0.964503569	5.758472107	0.157915837	0.1	0.82	0.260276883	3.12407144	34620.83411
1351.4	0.964591085	5.758994615	0.157840227	0.1	0.82	0.260152263	3.122574875	34623.95669
1351.6	0.96467856	5.759516877	0.157764731	0.1	0.82	0.260027829	3.12108055	34627.07777
1351.8	0.964765994	5.760038893	0.157689347	0.1	0.82	0.259903581	3.119588459	34630.19736
1352	0.964853387	5.760560663	0.157614075	0.1	0.82	0.259779519	3.118098597	34633.31545
1352.2	0.964940739	5.761082188	0.157538916	0.1	0.82	0.259655641	3.116610959	34636.43207
1352.4	0.96502805	5.761603468	0.157463869	0.1	0.82	0.259531948	3.115125538	34639.54719
1352.6	0.96511532	5.762124504	0.157388933	0.1	0.82	0.25940844	3.113642329	34642.66083
1352.8	0.965202548	5.762645295	0.157314109	0.1	0.82	0.259285115	3.112161328	34645.77299
1353	0.965289737	5.763165843	0.157239396	0.1	0.82	0.259161973	3.110682527	34648.88368

1353.2	0.965376884	5.763686148	0.157164794	0.1	0.82	0.259039014	3.109205922	34651.99288
1353.4	0.965463991	5.764206209	0.157090303	0.1	0.82	0.258916237	3.107731507	34655.10061
1353.6	0.965551057	5.764726028	0.157015922	0.1	0.82	0.258793642	3.106259277	34658.20687
1353.8	0.965638082	5.765245605	0.156941651	0.1	0.82	0.258671229	3.104789227	34661.31166
1354	0.965725067	5.765764939	0.15686749	0.1	0.82	0.258548996	3.10332135	34664.41498
1354.2	0.965812011	5.766284032	0.156793438	0.1	0.82	0.258426944	3.101855642	34667.51684
1354.4	0.965898915	5.766802884	0.156719495	0.1	0.82	0.258305072	3.100392097	34670.61723
1354.6	0.965985779	5.767321495	0.156645662	0.1	0.82	0.25818338	3.098930709	34673.71616
1354.8	0.966072602	5.767839865	0.156571937	0.1	0.82	0.258061866	3.097471475	34676.81363
1355	0.966159385	5.768357995	0.15649832	0.1	0.82	0.257940532	3.096014387	34679.90965
1355.2	0.966246128	5.768875885	0.156424812	0.1	0.82	0.257819375	3.094559441	34683.00421
1355.4	0.966332831	5.769393536	0.156351412	0.1	0.82	0.257698397	3.093106632	34686.09732
1355.6	0.966419494	5.769910947	0.156278119	0.1	0.82	0.257577596	3.091655954	34689.18897
1355.8	0.966506117	5.77042812	0.156204933	0.1	0.82	0.257456971	3.090207401	34692.27918
1356	0.9665927	5.770945054	0.156131855	0.1	0.82	0.257336524	3.08876097	34695.36794
1356.2	0.966679243	5.77146175	0.156058884	0.1	0.82	0.257216252	3.087316654	34698.45526
1356.4	0.966765746	5.771978208	0.155986019	0.1	0.82	0.257096156	3.085874449	34701.54113
1356.6	0.966852209	5.772494429	0.15591326	0.1	0.82	0.256976235	3.084434349	34704.62556
1356.8	0.966938633	5.773010412	0.155840608	0.1	0.82	0.256856489	3.082996349	34707.70856
1357	0.967025017	5.773526159	0.155768061	0.1	0.82	0.256736918	3.081560444	34710.79012
1357.2	0.967111361	5.774041669	0.15569562	0.1	0.82	0.25661752	3.080126628	34713.87025
1357.4	0.967197666	5.774556944	0.155623284	0.1	0.82	0.256498296	3.078694897	34716.94894
1357.6	0.967283931	5.775071982	0.155551053	0.1	0.82	0.256379245	3.077265246	34720.02621
1357.8	0.967370157	5.775586785	0.155478926	0.1	0.82	0.256260367	3.075837669	34723.10205
1358	0.967456344	5.776101353	0.155406905	0.1	0.82	0.25614166	3.074412162	34726.17646
1358.2	0.967542491	5.776615687	0.155334987	0.1	0.82	0.256023126	3.072988719	34729.24945
1358.4	0.967628599	5.777129785	0.155263174	0.1	0.82	0.255904763	3.071567336	34732.32101
1358.6	0.967714667	5.77764365	0.155191464	0.1	0.82	0.255786571	3.070148007	34735.39116
1358.8	0.967800697	5.778157281	0.155119858	0.1	0.82	0.25566855	3.068730728	34738.45989
1359	0.967886687	5.778670679	0.155048355	0.1	0.82	0.255550699	3.067315492	34741.52721
1359.2	0.967972639	5.779183843	0.154976955	0.1	0.82	0.255433017	3.065902297	34744.59311
1359.4	0.968058551	5.779696775	0.154905658	0.1	0.82	0.255315505	3.064491136	34747.6576
1359.6	0.968144425	5.780209475	0.154834463	0.1	0.82	0.255198162	3.063082004	34750.72068
1359.8	0.96823026	5.780721942	0.154763371	0.1	0.82	0.255080987	3.061674898	34753.78236
1360	0.968316055	5.781234177	0.15469238	0.1	0.82	0.254963981	3.060269811	34756.84263
1360.2	0.968401813	5.781746181	0.154621491	0.1	0.82	0.254847142	3.058866739	34759.9015
1360.4	0.968487531	5.782257954	0.154550704	0.1	0.82	0.254730471	3.057465677	34762.95896
1360.6	0.968573211	5.782769496	0.154480018	0.1	0.82	0.254613966	3.056066621	34766.01503
1360.8	0.968658852	5.783280808	0.154409433	0.1	0.82	0.254497628	3.054669565	34769.0697
1361	0.968744454	5.78379189	0.154338949	0.1	0.82	0.254381456	3.053274505	34772.12297
1361.2	0.968830018	5.784302742	0.154268566	0.1	0.82	0.25426545	3.051881436	34775.17485
1361.4	0.968915544	5.784813364	0.154198282	0.1	0.82	0.254149609	3.050490353	34778.22534
1361.6	0.969001031	5.785323757	0.154128099	0.1	0.82	0.254033933	3.049101251	34781.27444
1361.8	0.96908648	5.785833921	0.154058016	0.1	0.82	0.253918421	3.047714126	34784.32216
1362	0.969171891	5.786343857	0.153988032	0.1	0.82	0.253803074	3.046328972	34787.36849
1362.2	0.969257263	5.786853564	0.153918147	0.1	0.82	0.25368789	3.044945786	34790.41343
1362.4	0.969342597	5.787363044	0.153848362	0.1	0.82	0.25357287	3.043564563	34793.457
1362.6	0.969427894	5.787872296	0.153778675	0.1	0.82	0.253458013	3.042185297	34796.49918
1362.8	0.969513152	5.788381321	0.153709088	0.1	0.82	0.253343318	3.040807985	34799.53999
1363	0.969598372	5.788890119	0.153639598	0.1	0.82	0.253228785	3.039432621	34802.57942
1363.2	0.969683554	5.78939869	0.153570207	0.1	0.82	0.253114415	3.038059201	34805.61748
1363.4	0.969768698	5.789907035	0.153500913	0.1	0.82	0.253000205	3.036687721	34808.65417
1363.6	0.969853804	5.790415154	0.153431718	0.1	0.82	0.252886157	3.035318175	34811.68949

1363.8	0.969938873	5.790923047	0.153362619	0.1	0.82	0.252772269	3.033950559	34814.72344
1364	0.970023904	5.791430715	0.153293619	0.1	0.82	0.252658542	3.032584869	34817.75602
1364.2	0.970108897	5.791938158	0.153224715	0.1	0.82	0.252544975	3.031221099	34820.78725
1364.4	0.970193852	5.792445376	0.153155907	0.1	0.82	0.252431567	3.029859247	34823.8171
1364.6	0.97027877	5.79295237	0.153087197	0.1	0.82	0.252318318	3.028499306	34826.8456
1364.8	0.970363651	5.79345914	0.153018582	0.1	0.82	0.252205228	3.027141272	34829.87275
1365	0.970448493	5.793965685	0.152950064	0.1	0.82	0.252092296	3.025785142	34832.89853
1365.2	0.970533299	5.794472008	0.152881642	0.1	0.82	0.251979522	3.02443091	34835.92296
1365.4	0.970618067	5.794978107	0.152813315	0.1	0.82	0.251866906	3.023078572	34838.94604
1365.6	0.970702798	5.795483983	0.152745084	0.1	0.82	0.251754448	3.021728124	34841.96777
1365.8	0.970787491	5.795989637	0.152676948	0.1	0.82	0.251642146	3.02037956	34844.98815
1366	0.970872147	5.796495068	0.152608907	0.1	0.82	0.251530001	3.019032878	34848.00718
1366.2	0.970956766	5.797000277	0.152540961	0.1	0.82	0.251418011	3.017688072	34851.02487
1366.4	0.971041348	5.797505265	0.152473109	0.1	0.82	0.251306178	3.016345138	34854.04121
1366.6	0.971125893	5.798010032	0.152405351	0.1	0.82	0.2511945	3.015004071	34857.05622
1366.8	0.971210401	5.798514577	0.152337688	0.1	0.82	0.251082978	3.013664867	34860.06988
1367	0.971294872	5.799018902	0.152270119	0.1	0.82	0.25097161	3.012327523	34863.08221
1367.2	0.971379306	5.799523006	0.152202643	0.1	0.82	0.250860396	3.010992033	34866.0932
1367.4	0.971463703	5.80002689	0.15213526	0.1	0.82	0.250749336	3.009658393	34869.10286
1367.6	0.971548063	5.800530554	0.152067971	0.1	0.82	0.25063843	3.008326599	34872.11119
1367.8	0.971632386	5.801033999	0.152000775	0.1	0.82	0.250527677	3.006996646	34875.11818
1368	0.971716673	5.801537224	0.151933672	0.1	0.82	0.250417078	3.005668531	34878.12385
1368.2	0.971800923	5.80204023	0.151866661	0.1	0.82	0.25030663	3.004342249	34881.12819
1368.4	0.971885136	5.802543018	0.151799742	0.1	0.82	0.250196335	3.003017796	34884.13121
1368.6	0.971969313	5.803045588	0.151732916	0.1	0.82	0.250086192	3.001695167	34887.13291
1368.8	0.972053454	5.803547939	0.151666182	0.1	0.82	0.249976201	3.000374359	34890.13328
1369	0.972137557	5.804050073	0.151599539	0.1	0.82	0.24986636	2.999055367	34893.13234
1369.2	0.972221625	5.804551989	0.151532988	0.1	0.82	0.249756671	2.997738187	34896.13008
1369.4	0.972305656	5.805053688	0.151466528	0.1	0.82	0.249647132	2.996422814	34899.1265
1369.6	0.972389651	5.80555517	0.151400159	0.1	0.82	0.249537743	2.995109246	34902.12161
1369.8	0.972473609	5.806056435	0.151333881	0.1	0.82	0.249428503	2.993797476	34905.11541
1370	0.972557531	5.806557485	0.151267694	0.1	0.82	0.249319414	2.992487502	34908.10789
1370.2	0.972641417	5.807058318	0.151201597	0.1	0.82	0.249210473	2.99117932	34911.09907
1370.4	0.972725267	5.807558935	0.151135591	0.1	0.82	0.249101681	2.989872924	34914.08895
1370.6	0.972809081	5.808059337	0.151069675	0.1	0.82	0.248993038	2.988568312	34917.07751
1370.8	0.972892859	5.808559524	0.151003848	0.1	0.82	0.248884542	2.987265478	34920.06478
1371	0.972976601	5.809059496	0.150938111	0.1	0.82	0.248776194	2.985964419	34923.05074
1371.2	0.973060307	5.809559254	0.150872463	0.1	0.82	0.248667994	2.984665131	34926.03541
1371.4	0.973143976	5.810058797	0.150806905	0.1	0.82	0.248559941	2.98336761	34929.01878
1371.6	0.973227611	5.810558127	0.150741436	0.1	0.82	0.248452034	2.982071851	34932.00085
1371.8	0.973311209	5.811057242	0.150676055	0.1	0.82	0.248344274	2.980777851	34934.98163
1372	0.973394772	5.811556144	0.150610763	0.1	0.82	0.24823666	2.979485606	34937.96111
1372.2	0.973478299	5.812054833	0.15054556	0.1	0.82	0.248129192	2.978195111	34940.93931
1372.4	0.97356179	5.81255331	0.150480445	0.1	0.82	0.248021869	2.976906363	34943.91621
1372.6	0.973645245	5.813051573	0.150415417	0.1	0.82	0.247914691	2.975619358	34946.89183
1372.8	0.973728666	5.813549625	0.150350478	0.1	0.82	0.247807658	2.974334092	34949.86617
1373	0.97381205	5.814047464	0.150285626	0.1	0.82	0.247700769	2.97305056	34952.83922
1373.2	0.973895399	5.814545092	0.150220862	0.1	0.82	0.247594024	2.97176876	34955.81099
1373.4	0.973978713	5.815042508	0.150156185	0.1	0.82	0.247487423	2.970488686	34958.78147
1373.6	0.974061991	5.815539713	0.150091594	0.1	0.82	0.247380966	2.969210335	34961.75068
1373.8	0.974145234	5.816036708	0.150027091	0.1	0.82	0.247274651	2.967933704	34964.71862
1374	0.974228442	5.816533491	0.149962674	0.1	0.82	0.24716848	2.966658788	34967.68528
1374.2	0.974311615	5.817030065	0.149898344	0.1	0.82	0.247062451	2.965385583	34970.65066

1374.4	0.974394752	5.817526428	0.1498341	0.1	0.82	0.246956564	2.964114086	34973.61478
1374.6	0.974477854	5.818022582	0.149769942	0.1	0.82	0.246850818	2.962844293	34976.57762
1374.8	0.974560922	5.818518526	0.14970587	0.1	0.82	0.246745215	2.961576199	34979.5392
1375	0.974643954	5.819014261	0.149641883	0.1	0.82	0.246639752	2.960309802	34982.49951
1375.2	0.974726951	5.819509787	0.149577982	0.1	0.82	0.246534431	2.959045097	34985.45855
1375.4	0.974809913	5.820005104	0.149514167	0.1	0.82	0.246429249	2.95778208	34988.41633
1375.6	0.97489284	5.820500213	0.149450436	0.1	0.82	0.246324209	2.956520748	34991.37285
1375.8	0.974975733	5.820995114	0.14938679	0.1	0.82	0.246219308	2.955261097	34994.32812
1376	0.97505859	5.821489807	0.149323229	0.1	0.82	0.246114546	2.954003123	34997.28212
1376.2	0.975141413	5.821984293	0.149259753	0.1	0.82	0.246009924	2.952746822	35000.23487
1376.4	0.975224201	5.822478571	0.14919636	0.1	0.82	0.245905441	2.951492192	35003.18636
1376.6	0.975306955	5.822972643	0.149133052	0.1	0.82	0.245801097	2.950239227	35006.1366
1376.8	0.975389674	5.823466507	0.149069828	0.1	0.82	0.245696891	2.948987924	35009.08559
1377	0.975472358	5.823960165	0.149006688	0.1	0.82	0.245592823	2.94773828	35012.03332
1377.2	0.975555008	5.824453617	0.148943631	0.1	0.82	0.245488892	2.94649029	35014.97981
1377.4	0.975637623	5.824946863	0.148880657	0.1	0.82	0.2453851	2.945243952	35017.92506
1377.6	0.975720204	5.825439903	0.148817767	0.1	0.82	0.245281444	2.943999262	35020.86906
1377.8	0.97580275	5.825932738	0.14875496	0.1	0.82	0.245177925	2.942756215	35023.81181
1378	0.975885262	5.826425368	0.148692236	0.1	0.82	0.245074543	2.941514808	35026.75333
1378.2	0.97596774	5.826917793	0.148629594	0.1	0.82	0.244971297	2.940275038	35029.6936
1378.4	0.976050183	5.827410013	0.148567035	0.1	0.82	0.244868187	2.939036901	35032.63264
1378.6	0.976132592	5.827902029	0.148504558	0.1	0.82	0.244765212	2.937800393	35035.57044
1378.8	0.976214967	5.828393841	0.148442163	0.1	0.82	0.244662373	2.936565511	35038.50701
1379	0.976297308	5.828885449	0.14837985	0.1	0.82	0.244559669	2.935332251	35041.44234
1379.2	0.976379615	5.829376854	0.148317619	0.1	0.82	0.244457099	2.934100609	35044.37644
1379.4	0.976461888	5.829868055	0.148255469	0.1	0.82	0.244354664	2.932870583	35047.30931
1379.6	0.976544127	5.830359054	0.148193401	0.1	0.82	0.244252364	2.931642168	35050.24095
1379.8	0.976626331	5.830849849	0.148131414	0.1	0.82	0.244150197	2.93041536	35053.17137
1380	0.976708502	5.831340442	0.148069508	0.1	0.82	0.244048163	2.929190158	35056.10056
1380.2	0.976790639	5.831830833	0.148007683	0.1	0.82	0.243946263	2.927966556	35059.02852
1380.4	0.976872743	5.832321022	0.147945938	0.1	0.82	0.243844496	2.926744551	35061.95527
1380.6	0.976954812	5.832811009	0.147884274	0.1	0.82	0.243742861	2.92552414	35064.88079
1380.8	0.977036848	5.833300795	0.147822691	0.1	0.82	0.243641359	2.92430532	35067.8051
1381	0.97711885	5.83379038	0.147761187	0.1	0.82	0.243539989	2.923088086	35070.72819
1381.2	0.977200818	5.834279763	0.147699764	0.1	0.82	0.243438751	2.921872436	35073.65006
1381.4	0.977282753	5.834768946	0.14763842	0.1	0.82	0.243337644	2.920658365	35076.57072
1381.6	0.977364654	5.835257929	0.147577156	0.1	0.82	0.243236668	2.919445872	35079.49016
1381.8	0.977446521	5.835746711	0.147515971	0.1	0.82	0.243135824	2.918234951	35082.4084
1382	0.977528356	5.836235294	0.147454866	0.1	0.82	0.24303511	2.9170256	35085.32542
1382.2	0.977610156	5.836723677	0.147393839	0.1	0.82	0.242934526	2.915817815	35088.24124
1382.4	0.977691924	5.837211861	0.147332892	0.1	0.82	0.242834073	2.914611592	35091.15585
1382.6	0.977773658	5.837699845	0.147272023	0.1	0.82	0.242733749	2.91340693	35094.06926
1382.8	0.977855358	5.83818763	0.147211233	0.1	0.82	0.242633555	2.912203823	35096.98146
1383	0.977937026	5.838675217	0.147150522	0.1	0.82	0.24253349	2.911002269	35099.89247
1383.2	0.97801866	5.839162606	0.147089888	0.1	0.82	0.242433554	2.909802264	35102.80227
1383.4	0.978100261	5.839649796	0.147029333	0.1	0.82	0.242333747	2.908603805	35105.71087
1383.6	0.978181828	5.840136789	0.146968856	0.1	0.82	0.242234068	2.907406888	35108.61828
1383.8	0.978263363	5.840623584	0.146908456	0.1	0.82	0.242134517	2.906211511	35111.52449
1384	0.978344865	5.841110181	0.146848134	0.1	0.82	0.242035094	2.90501767	35114.42951
1384.2	0.978426334	5.841596582	0.146787889	0.1	0.82	0.241935799	2.903825361	35117.33333
1384.4	0.978507769	5.842082785	0.146727722	0.1	0.82	0.241836631	2.902634582	35120.23597
1384.6	0.978589172	5.842568792	0.146667632	0.1	0.82	0.24173759	2.901445329	35123.13741
1384.8	0.978670542	5.843054603	0.146607618	0.1	0.82	0.241638676	2.900257598	35126.03767

1385	0.978751879	5.843540217	0.146547681	0.1	0.82	0.241539888	2.899071387	35128.93674
1385.2	0.978833183	5.844025636	0.146487821	0.1	0.82	0.241441227	2.897886692	35131.83463
1385.4	0.978914454	5.844510859	0.146428037	0.1	0.82	0.241342691	2.89670351	35134.73133
1385.6	0.978995693	5.844995887	0.14636833	0.1	0.82	0.241244282	2.895521838	35137.62685
1385.8	0.979076899	5.845480719	0.146308699	0.1	0.82	0.241145997	2.894341672	35140.5212
1386	0.979158073	5.845965357	0.146249143	0.1	0.82	0.241047838	2.893163009	35143.41436
1386.2	0.979239213	5.846449799	0.146189663	0.1	0.82	0.240949803	2.891985847	35146.30634
1386.4	0.979320322	5.846934048	0.146130259	0.1	0.82	0.240851893	2.890810181	35149.19715
1386.6	0.979401397	5.847418102	0.146070931	0.1	0.82	0.240754108	2.889636009	35152.08679
1386.8	0.979482441	5.847901963	0.146011677	0.1	0.82	0.240656447	2.888463327	35154.97525
1387	0.979563451	5.84838563	0.145952499	0.1	0.82	0.240558909	2.887292133	35157.86255
1387.2	0.97964443	5.848869103	0.145893396	0.1	0.82	0.240461495	2.886122422	35160.74867
1387.4	0.979725376	5.849352383	0.145834367	0.1	0.82	0.240364204	2.884954193	35163.63362
1387.6	0.979806289	5.84983547	0.145775413	0.1	0.82	0.240267036	2.883787441	35166.51741
1387.8	0.979887171	5.850318365	0.145716534	0.1	0.82	0.240169991	2.882622164	35169.40003
1388	0.97996802	5.850801067	0.145657729	0.1	0.82	0.240073069	2.881458359	35172.28149
1388.2	0.980048837	5.851283577	0.145598998	0.1	0.82	0.239976268	2.880296021	35175.16179
1388.4	0.980129622	5.851765895	0.145540341	0.1	0.82	0.23987959	2.87913515	35178.04092
1388.6	0.980210375	5.852248021	0.145481758	0.1	0.82	0.239783033	2.87797574	35180.9189
1388.8	0.980291095	5.852729955	0.145423249	0.1	0.82	0.239686598	2.87681779	35183.79572
1389	0.980371784	5.853211699	0.145364813	0.1	0.82	0.239590284	2.875661295	35186.67138
1389.2	0.980452441	5.853693251	0.14530645	0.1	0.82	0.239494091	2.874506253	35189.54588
1389.4	0.980533065	5.854174612	0.145248161	0.1	0.82	0.239398019	2.873352662	35192.41924
1389.6	0.980613658	5.854655783	0.145189945	0.1	0.82	0.239302067	2.872200517	35195.29144
1389.8	0.980694219	5.855136764	0.145131802	0.1	0.82	0.239206235	2.871049816	35198.16249
1390	0.980774748	5.855617554	0.145073731	0.1	0.82	0.239110524	2.869900555	35201.03239
1390.2	0.980855245	5.856098155	0.145015733	0.1	0.82	0.239014932	2.868752733	35203.90114
1390.4	0.980935711	5.856578566	0.144957808	0.1	0.82	0.238919459	2.867606345	35206.76875
1390.6	0.981016144	5.857058788	0.144899955	0.1	0.82	0.238824106	2.866461388	35209.63521
1390.8	0.981096546	5.85753882	0.144842174	0.1	0.82	0.238728871	2.865317861	35212.50052
1391	0.981176917	5.858018664	0.144784465	0.1	0.82	0.238633755	2.864175759	35215.3647
1391.2	0.981257256	5.858498319	0.144726828	0.1	0.82	0.238538758	2.863035079	35218.22774
1391.4	0.981337563	5.858977785	0.144669263	0.1	0.82	0.238443879	2.86189582	35221.08963
1391.6	0.981417839	5.859457063	0.144611769	0.1	0.82	0.238349117	2.860757977	35223.95039
1391.8	0.981498083	5.859936154	0.144554346	0.1	0.82	0.238254474	2.859621548	35226.81001
1392	0.981578296	5.860415056	0.144496995	0.1	0.82	0.238159948	2.85848653	35229.6685
1392.2	0.981658477	5.860893771	0.144439715	0.1	0.82	0.238065539	2.85735292	35232.52585
1392.4	0.981738627	5.861372299	0.144382506	0.1	0.82	0.237971247	2.856220714	35235.38207
1392.6	0.981818746	5.861850639	0.144325368	0.1	0.82	0.237877072	2.855089911	35238.23716
1392.8	0.981898833	5.862328793	0.1442683	0.1	0.82	0.237783013	2.853960507	35241.09112
1393	0.981978889	5.86280676	0.144211303	0.1	0.82	0.23768907	2.852832499	35243.94395
1393.2	0.982058914	5.863284541	0.144154377	0.1	0.82	0.237595244	2.851705885	35246.79566
1393.4	0.982138908	5.863762135	0.14409752	0.1	0.82	0.237501533	2.85058066	35249.64624
1393.6	0.98221887	5.864239544	0.144040734	0.1	0.82	0.237407938	2.849456824	35252.4957
1393.8	0.982298802	5.864716767	0.143984018	0.1	0.82	0.237314458	2.848334372	35255.34403
1394	0.982378702	5.865193804	0.143927371	0.1	0.82	0.237221093	2.847213302	35258.19125
1394.2	0.982458572	5.865670656	0.143870794	0.1	0.82	0.237127842	2.846093611	35261.03734
1394.4	0.98253841	5.866147323	0.143814286	0.1	0.82	0.237034707	2.844975296	35263.88231
1394.6	0.982618217	5.866623806	0.143757848	0.1	0.82	0.236941686	2.843858354	35266.72617
1394.8	0.982697994	5.867100103	0.143701479	0.1	0.82	0.236848778	2.842742783	35269.56892
1395	0.98277774	5.867576217	0.14364518	0.1	0.82	0.236755985	2.841628579	35272.41054
1395.2	0.982857454	5.868052146	0.143588949	0.1	0.82	0.236663305	2.840515741	35275.25106
1395.4	0.982937138	5.868527891	0.143532787	0.1	0.82	0.236570739	2.839404264	35278.09046

1395.6	0.983016792	5.869003453	0.143476693	0.1	0.82	0.236478286	2.838294146	35280.92876
1395.8	0.983096414	5.869478831	0.143420668	0.1	0.82	0.236385945	2.837185385	35283.76594
1396	0.983176006	5.869954026	0.143364712	0.1	0.82	0.236293718	2.836077978	35286.60202
1396.2	0.983255567	5.870429037	0.143308823	0.1	0.82	0.236201602	2.834971921	35289.43699
1396.4	0.983335098	5.870903866	0.143253003	0.1	0.82	0.2361096	2.833867212	35292.27086
1396.6	0.983414597	5.871378513	0.143197251	0.1	0.82	0.236017709	2.832763849	35295.10362
1396.8	0.983494067	5.871852977	0.143141566	0.1	0.82	0.235925929	2.831661828	35297.93529
1397	0.983573506	5.872327259	0.143085949	0.1	0.82	0.235834262	2.830561147	35300.76585
1397.2	0.983652914	5.872801359	0.1430304	0.1	0.82	0.235742705	2.829461804	35303.59531
1397.4	0.983732292	5.873275277	0.142974918	0.1	0.82	0.23565126	2.828363794	35306.42367
1397.6	0.98381164	5.873749014	0.142919504	0.1	0.82	0.235559926	2.827267116	35309.25094
1397.8	0.983890957	5.874222569	0.142864156	0.1	0.82	0.235468702	2.826171768	35312.07711
1398	0.983970244	5.874695944	0.142808876	0.1	0.82	0.235377589	2.825077745	35314.90219
1398.2	0.9840495	5.875169137	0.142753662	0.1	0.82	0.235286586	2.823985046	35317.72617
1398.4	0.984128727	5.87564215	0.142698515	0.1	0.82	0.235195692	2.822893668	35320.54907
1398.6	0.984207923	5.876114983	0.142643435	0.1	0.82	0.235104909	2.821803608	35323.37087
1398.8	0.984287089	5.876587635	0.142588421	0.1	0.82	0.235014235	2.820714863	35326.19159
1399	0.984366225	5.877060107	0.142533473	0.1	0.82	0.23492367	2.819627432	35329.01121
1399.2	0.98444533	5.8775324	0.142478592	0.1	0.82	0.234833215	2.81854131	35331.82976
1399.4	0.984524406	5.878004513	0.142423776	0.1	0.82	0.234742868	2.817456496	35334.64721
1399.6	0.984603451	5.878476446	0.142369027	0.1	0.82	0.23465263	2.816372987	35337.46358
1399.8	0.984682467	5.878948201	0.142314343	0.1	0.82	0.2345625	2.815290781	35340.27888
1400	0.984761453	5.879419777	0.142259725	0.1	0.82	0.234472479	2.814209873	35343.09309
1400.2	0.984840408	5.879891173	0.142205172	0.1	0.82	0.234382565	2.813130263	35345.90622
1400.4	0.984919334	5.880362392	0.142150685	0.1	0.82	0.234292759	2.812051947	35348.71827
1400.6	0.98499823	5.880833432	0.142096263	0.1	0.82	0.234203061	2.810974923	35351.52924
1400.8	0.985077096	5.881304294	0.142041906	0.1	0.82	0.23411347	2.809899189	35354.33914
1401	0.985155932	5.881774978	0.141987615	0.1	0.82	0.234023986	2.80882474	35357.14797
1401.2	0.985234739	5.882245485	0.141933388	0.1	0.82	0.23393461	2.807751576	35359.95572
1401.4	0.985313516	5.882715814	0.141879225	0.1	0.82	0.233845339	2.806679693	35362.7624
1401.6	0.985392263	5.883185965	0.141825128	0.1	0.82	0.233756176	2.805609089	35365.56801
1401.8	0.98547098	5.88365594	0.141771095	0.1	0.82	0.233667118	2.804539762	35368.37255
1402	0.985549668	5.884125738	0.141717126	0.1	0.82	0.233578167	2.803471708	35371.17602
1402.2	0.985628326	5.88459536	0.141663221	0.1	0.82	0.233489321	2.802404925	35373.97842
1402.4	0.985706955	5.885064804	0.14160938	0.1	0.82	0.233400581	2.801339411	35376.77976
1402.6	0.985785554	5.885534073	0.141555604	0.1	0.82	0.233311946	2.800275163	35379.58004
1402.8	0.985864124	5.886003166	0.141501891	0.1	0.82	0.233223417	2.799212179	35382.37925
1403	0.985942664	5.886472083	0.141448242	0.1	0.82	0.233134992	2.798150456	35385.1774
1403.2	0.986021175	5.886940824	0.141394656	0.1	0.82	0.233046673	2.797089991	35387.97449
1403.4	0.986099657	5.88740939	0.141341134	0.1	0.82	0.232958458	2.796030782	35390.77052
1403.6	0.986178109	5.887877781	0.141287676	0.1	0.82	0.232870347	2.794972827	35393.56549
1403.8	0.986256532	5.888345997	0.14123428	0.1	0.82	0.23278234	2.793916123	35396.35941
1404	0.986334925	5.888814038	0.141180948	0.1	0.82	0.232694438	2.792860668	35399.15227
1404.2	0.98641329	5.889281905	0.141127678	0.1	0.82	0.232606639	2.791806459	35401.94408
1404.4	0.986491625	5.889749597	0.141074471	0.1	0.82	0.232518943	2.790753493	35404.73483
1404.6	0.986569931	5.890217115	0.141021327	0.1	0.82	0.232431351	2.789701769	35407.52453
1404.8	0.986648208	5.89068446	0.140968246	0.1	0.82	0.232343862	2.788651283	35410.31318
1405	0.986726456	5.89115163	0.140915227	0.1	0.82	0.232256476	2.787602034	35413.10079
1405.2	0.986804674	5.891618627	0.14086227	0.1	0.82	0.232169193	2.786554018	35415.88734
1405.4	0.986882864	5.89208545	0.140809375	0.1	0.82	0.232082012	2.785507234	35418.67285
1405.6	0.986961025	5.892552101	0.140756543	0.1	0.82	0.231994934	2.784461679	35421.45731
1405.8	0.987039156	5.893018578	0.140703772	0.1	0.82	0.231907958	2.78341735	35424.24073
1406	0.987117259	5.893484883	0.140651064	0.1	0.82	0.231821083	2.782374246	35427.0231

1406.2	0.987195333	5.893951015	0.140598417	0.1	0.82	0.231734311	2.781332363	35429.80443
1406.4	0.987273378	5.894416975	0.140545831	0.1	0.82	0.231647639	2.780291699	35432.58472
1406.6	0.987351394	5.894882763	0.140493308	0.1	0.82	0.231561069	2.779252253	35435.36398
1406.8	0.987429381	5.895348378	0.140440845	0.1	0.82	0.231474601	2.778214021	35438.14219
1407	0.98750734	5.895813822	0.140388444	0.1	0.82	0.231388233	2.777177001	35440.91937
1407.2	0.98758527	5.896279095	0.140336103	0.1	0.82	0.231301966	2.776141191	35443.69551
1407.4	0.987663171	5.896744196	0.140283824	0.1	0.82	0.231215799	2.775106588	35446.47062
1407.6	0.987741043	5.897209126	0.140231606	0.1	0.82	0.231129733	2.77407319	35449.24469
1407.8	0.987818887	5.897673885	0.140179448	0.1	0.82	0.231043767	2.773040995	35452.01773
1408	0.987896703	5.898138473	0.140127351	0.1	0.82	0.2309579	2.77201	35454.78974
1408.2	0.987974489	5.898602891	0.140075315	0.1	0.82	0.230872134	2.770980204	35457.56072
1408.4	0.988052247	5.899067138	0.140023339	0.1	0.82	0.230786467	2.769951603	35460.33067
1408.6	0.988129977	5.899531216	0.139971423	0.1	0.82	0.230700899	2.768924195	35463.0996
1408.8	0.988207678	5.899995123	0.139919567	0.1	0.82	0.230615431	2.767897978	35465.86749
1409	0.988285351	5.90045886	0.139867772	0.1	0.82	0.230530061	2.76687295	35468.63437
1409.2	0.988362995	5.900922428	0.139816036	0.1	0.82	0.23044479	2.765849109	35471.40022
1409.4	0.988440611	5.901385826	0.13976436	0.1	0.82	0.230359618	2.764826451	35474.16504
1409.6	0.988518199	5.901849056	0.139712744	0.1	0.82	0.230274544	2.763804975	35476.92885
1409.8	0.988595758	5.902312116	0.139661187	0.1	0.82	0.230189569	2.762784679	35479.69163
1410	0.988673289	5.902775007	0.13960969	0.1	0.82	0.230104691	2.76176556	35482.4534
1410.2	0.988750792	5.90323773	0.139558252	0.1	0.82	0.230019911	2.760747615	35485.21415
1410.4	0.988828267	5.903700285	0.139506874	0.1	0.82	0.229935229	2.759730844	35487.97388
1410.6	0.988905713	5.904162671	0.139455554	0.1	0.82	0.229850645	2.758715242	35490.73259
1410.8	0.988983132	5.904624889	0.139404294	0.1	0.82	0.229766157	2.757700809	35493.49029
1411	0.989060522	5.905086939	0.139353092	0.1	0.82	0.229681767	2.756687542	35496.24698
1411.2	0.989137884	5.905548822	0.139301949	0.1	0.82	0.229597473	2.755675438	35499.00265
1411.4	0.989215218	5.906010537	0.139250865	0.1	0.82	0.229513276	2.754664496	35501.75732
1411.6	0.989292524	5.906472085	0.13919984	0.1	0.82	0.229429176	2.753654712	35504.51097
1411.8	0.989369802	5.906933465	0.139148873	0.1	0.82	0.229345172	2.752646086	35507.26362
1412	0.989447052	5.907394679	0.139097964	0.1	0.82	0.229261264	2.751638614	35510.01526
1412.2	0.989524274	5.907855726	0.139047113	0.1	0.82	0.229177452	2.750632295	35512.76589
1412.4	0.989601468	5.908316607	0.138996321	0.1	0.82	0.229093736	2.749627126	35515.51552
1412.6	0.989678635	5.908777321	0.138945586	0.1	0.82	0.229010115	2.748623105	35518.26414
1412.8	0.989755773	5.909237869	0.138894909	0.1	0.82	0.22892659	2.747620229	35521.01176
1413	0.989832884	5.909698251	0.138844291	0.1	0.82	0.22884316	2.746618498	35523.75838
1413.2	0.989909967	5.910158468	0.138793729	0.1	0.82	0.228759825	2.745617907	35526.504
1413.4	0.989987022	5.910618519	0.138743226	0.1	0.82	0.228676585	2.744618456	35529.24862
1413.6	0.99006405	5.911078404	0.138692779	0.1	0.82	0.228593439	2.743620142	35531.99224
1413.8	0.99014105	5.911538124	0.138642391	0.1	0.82	0.228510388	2.742622963	35534.73486
1414	0.990218022	5.911997679	0.138592059	0.1	0.82	0.228427431	2.741626917	35537.47649
1414.2	0.990294967	5.912457069	0.138541784	0.1	0.82	0.228344569	2.740632001	35540.21712
1414.4	0.990371884	5.912916295	0.138491567	0.1	0.82	0.2282618	2.739638214	35542.95676
1414.6	0.990448773	5.913375356	0.138441406	0.1	0.82	0.228179125	2.738645553	35545.6954
1414.8	0.990525635	5.913834253	0.138391302	0.1	0.82	0.228096544	2.737654016	35548.43306
1415	0.99060247	5.914292986	0.138341255	0.1	0.82	0.228014056	2.736663601	35551.16972
1415.2	0.990679277	5.914751554	0.138291264	0.1	0.82	0.227931662	2.735674306	35553.90539
1415.4	0.990756056	5.915209959	0.13824133	0.1	0.82	0.22784936	2.734686129	35556.64008
1415.6	0.990832809	5.915668201	0.138191452	0.1	0.82	0.227767151	2.733699067	35559.37378
1415.8	0.990909534	5.916126279	0.13814163	0.1	0.82	0.227685035	2.732713119	35562.10649
1416	0.990986231	5.916584194	0.138091865	0.1	0.82	0.227603012	2.731728282	35564.83822
1416.2	0.991062901	5.917041946	0.138042155	0.1	0.82	0.227521081	2.730744554	35567.56897
1416.4	0.991139544	5.917499535	0.137992502	0.1	0.82	0.227439242	2.729761934	35570.29873
1416.6	0.99121616	5.917956961	0.137942904	0.1	0.82	0.227357495	2.728780418	35573.02751

1416.8	0.991292748	5.918414225	0.137893362	0.1	0.82	0.22727584	2.727800006	35575.75531
1417	0.99136931	5.918871327	0.137843876	0.1	0.82	0.227194276	2.726820694	35578.48213
1417.2	0.991445844	5.919328266	0.137794445	0.1	0.82	0.227112804	2.725842482	35581.20797
1417.4	0.991522351	5.919785044	0.137745069	0.1	0.82	0.227031424	2.724865366	35583.93284
1417.6	0.991598831	5.92024166	0.137695749	0.1	0.82	0.226950134	2.723889345	35586.65673
1417.8	0.991675284	5.920698114	0.137646484	0.1	0.82	0.226868935	2.722914416	35589.37964
1418	0.99175171	5.921154407	0.137597274	0.1	0.82	0.226787828	2.721940579	35592.10158
1418.2	0.991828108	5.921610538	0.137548119	0.1	0.82	0.226706811	2.720967829	35594.82255
1418.4	0.99190448	5.922066509	0.137499019	0.1	0.82	0.226625884	2.719996166	35597.54254
1418.6	0.991980825	5.922522319	0.137449974	0.1	0.82	0.226545047	2.719025588	35600.26157
1418.8	0.992057143	5.922977968	0.137400984	0.1	0.82	0.226464301	2.718056092	35602.97963
1419	0.992133434	5.923433456	0.137352048	0.1	0.82	0.226383645	2.717087677	35605.69671
1419.2	0.992209699	5.923888784	0.137303166	0.1	0.82	0.226303078	2.71612034	35608.41283
1419.4	0.992285936	5.924343952	0.137254339	0.1	0.82	0.226222601	2.715154079	35611.12799
1419.6	0.992362147	5.924798961	0.137205566	0.1	0.82	0.226142214	2.714188892	35613.84218
1419.8	0.992438331	5.925253809	0.137156847	0.1	0.82	0.226061916	2.713224778	35616.5554
1420	0.992514488	5.925708497	0.137108183	0.1	0.82	0.225981707	2.712261735	35619.26766
1420.2	0.992590618	5.926163027	0.137059572	0.1	0.82	0.225901587	2.711299759	35621.97896
1420.4	0.992666722	5.926617397	0.137011015	0.1	0.82	0.225821555	2.71033885	35624.6893
1420.6	0.992742799	5.927071607	0.136962512	0.1	0.82	0.225741612	2.709379006	35627.39868
1420.8	0.99281885	5.927525659	0.136914063	0.1	0.82	0.225661758	2.708420224	35630.1071
1421	0.992894873	5.927979552	0.136865667	0.1	0.82	0.225581992	2.707462502	35632.81456
1421.2	0.992970871	5.928433287	0.136817325	0.1	0.82	0.225502314	2.706505839	35635.52107
1421.4	0.993046842	5.928886863	0.136769036	0.1	0.82	0.225422724	2.705550232	35638.22662
1421.6	0.993122786	5.929340281	0.1367208	0.1	0.82	0.225343222	2.70459568	35640.93122
1421.8	0.993198704	5.929793541	0.136672617	0.1	0.82	0.225263808	2.70364218	35643.63486
1422	0.993274595	5.930246643	0.136624488	0.1	0.82	0.225184481	2.702689731	35646.33755
1422.2	0.99335046	5.930699587	0.136576411	0.1	0.82	0.225105241	2.70173833	35649.03929
1422.4	0.993426299	5.931152374	0.136528388	0.1	0.82	0.225026088	2.700787977	35651.74007
1422.6	0.993502111	5.931605003	0.136480417	0.1	0.82	0.224947023	2.699838668	35654.43991
1422.8	0.993577897	5.932057475	0.136432499	0.1	0.82	0.224868044	2.698890402	35657.1388
1423	0.993653656	5.93250979	0.136384633	0.1	0.82	0.224789152	2.697943177	35659.83675
1423.2	0.99372939	5.932961948	0.13633682	0.1	0.82	0.224710346	2.696996991	35662.53374
1423.4	0.993805097	5.93341395	0.136289059	0.1	0.82	0.224631627	2.696051843	35665.2298
1423.6	0.993880778	5.933865795	0.136241351	0.1	0.82	0.224552994	2.695107729	35667.9249
1423.8	0.993956432	5.934317483	0.136193694	0.1	0.82	0.224474447	2.694164649	35670.61907
1424	0.994032061	5.934769016	0.13614609	0.1	0.82	0.224395986	2.6932226	35673.31229
1424.2	0.994107663	5.935220392	0.136098538	0.1	0.82	0.224317611	2.692281581	35676.00457
1424.4	0.994183239	5.935671613	0.136051038	0.1	0.82	0.224239321	2.691341589	35678.69591
1424.6	0.99425879	5.936122678	0.13600359	0.1	0.82	0.224161116	2.690402623	35681.38632
1424.8	0.994334314	5.936573587	0.135956193	0.1	0.82	0.224082997	2.689464681	35684.07578
1425	0.994409812	5.937024341	0.135908848	0.1	0.82	0.224004963	2.688527761	35686.76431
1425.2	0.994485284	5.93747494	0.135861554	0.1	0.82	0.223927014	2.687591861	35689.4519
1425.4	0.99456073	5.937925384	0.135814312	0.1	0.82	0.223849149	2.68665698	35692.13856
1425.6	0.99463615	5.938375673	0.135767121	0.1	0.82	0.22377137	2.685723114	35694.82428
1425.8	0.994711545	5.938825807	0.135719982	0.1	0.82	0.223693674	2.684790264	35697.50907
1426	0.994786913	5.939275787	0.135672894	0.1	0.82	0.223616063	2.683858426	35700.19293
1426.2	0.994862256	5.939725612	0.135625856	0.1	0.82	0.223538536	2.682927599	35702.87586
1426.4	0.994937573	5.940175284	0.13557887	0.1	0.82	0.223461094	2.681997781	35705.55785
1426.6	0.995012864	5.940624801	0.135531935	0.1	0.82	0.223383735	2.68106897	35708.23892
1426.8	0.995088129	5.941074164	0.13548505	0.1	0.82	0.223306459	2.680141164	35710.91906
1427	0.995163368	5.941523374	0.135438216	0.1	0.82	0.223229268	2.679214362	35713.59828
1427.2	0.995238582	5.94197243	0.135391433	0.1	0.82	0.223152159	2.678288562	35716.27657

1427.4	0.99531377	5.942421333	0.1353447	0.1	0.82	0.223075134	2.677363761	35718.95393
1427.6	0.995388933	5.942870083	0.135298017	0.1	0.82	0.222998192	2.676439959	35721.63037
1427.8	0.995464069	5.943318679	0.135251385	0.1	0.82	0.222921333	2.675517152	35724.30589
1428	0.99553918	5.943767123	0.135204803	0.1	0.82	0.222844557	2.674595341	35726.98048
1428.2	0.995614266	5.944215414	0.135158272	0.1	0.82	0.222767863	2.673674521	35729.65416
1428.4	0.995689326	5.944663553	0.13511179	0.1	0.82	0.222691252	2.672754693	35732.32691
1428.6	0.995764361	5.945111539	0.135065358	0.1	0.82	0.222614723	2.671835854	35734.99875
1428.8	0.99583937	5.945559373	0.135018976	0.1	0.82	0.222538277	2.670918002	35737.66967
1429	0.995914353	5.946007054	0.134972644	0.1	0.82	0.222461912	2.670001136	35740.33967
1429.2	0.995989311	5.946454584	0.134926362	0.1	0.82	0.22238563	2.669085253	35743.00875
1429.4	0.996064244	5.946901963	0.134880129	0.1	0.82	0.222309429	2.668170352	35745.67692
1429.6	0.996139151	5.947349189	0.134833946	0.1	0.82	0.22223331	2.667256432	35748.34418
1429.8	0.996214033	5.947796265	0.134787812	0.1	0.82	0.222157272	2.66634349	35751.01052
1430	0.99628889	5.948243189	0.134741728	0.1	0.82	0.222081315	2.665431524	35753.67595
1430.2	0.996363721	5.948689961	0.134695692	0.1	0.82	0.22200544	2.664520533	35756.34048
1430.4	0.996438527	5.949136583	0.134649706	0.1	0.82	0.221929646	2.663610516	35759.00409
1430.6	0.996513308	5.949583055	0.134603769	0.1	0.82	0.221853932	2.66270147	35761.66679
1430.8	0.996588064	5.950029375	0.134557881	0.1	0.82	0.2217783	2.661793394	35764.32858
1431	0.996662794	5.950475545	0.134512042	0.1	0.82	0.221702748	2.660886285	35766.98947
1431.2	0.996737499	5.950921565	0.134466252	0.1	0.82	0.221627276	2.659980143	35769.64945
1431.4	0.996812179	5.951367435	0.13442051	0.1	0.82	0.221551885	2.659074965	35772.30852
1431.6	0.996886834	5.951813154	0.134374817	0.1	0.82	0.221476574	2.65817075	35774.96669
1431.8	0.996961464	5.952258724	0.134329173	0.1	0.82	0.221401342	2.657267496	35777.62396
1432	0.997036069	5.952704144	0.134283577	0.1	0.82	0.221326191	2.656365201	35780.28033
1432.2	0.997110648	5.953149415	0.134238029	0.1	0.82	0.22125112	2.655463864	35782.93579
1432.4	0.997185203	5.953594537	0.13419253	0.1	0.82	0.221176128	2.654563483	35785.59035
1432.6	0.997259733	5.954039509	0.134147079	0.1	0.82	0.221101215	2.653664056	35788.24402
1432.8	0.997334238	5.954484332	0.134101676	0.1	0.82	0.221026382	2.652765582	35790.89678
1433	0.997408717	5.954929006	0.134056321	0.1	0.82	0.220951628	2.651868058	35793.54865
1433.2	0.997483172	5.955373532	0.134011014	0.1	0.82	0.220876953	2.650971483	35796.19962
1433.4	0.997557602	5.955817908	0.133965755	0.1	0.82	0.220802357	2.650075856	35798.8497
1433.6	0.997632007	5.956262137	0.133920543	0.1	0.82	0.220727839	2.649181175	35801.49888
1433.8	0.997706388	5.956706217	0.133875379	0.1	0.82	0.2206534	2.648287437	35804.14717
1434	0.997780743	5.957150149	0.133830263	0.1	0.82	0.22057904	2.647394642	35806.79456
1434.2	0.997855074	5.957593934	0.133785195	0.1	0.82	0.220504758	2.646502788	35809.44106
1434.4	0.99792938	5.95803757	0.133740174	0.1	0.82	0.220430554	2.645611873	35812.08668
1434.6	0.998003661	5.958481059	0.1336952	0.1	0.82	0.220356428	2.644721895	35814.7314
1434.8	0.998077918	5.9589244	0.133650273	0.1	0.82	0.22028238	2.643832853	35817.37523
1435	0.99815215	5.959367594	0.133605394	0.1	0.82	0.22020841	2.642944745	35820.01818
1435.2	0.998226357	5.959810641	0.133560562	0.1	0.82	0.220134518	2.64205757	35822.66023
1435.4	0.998300539	5.96025354	0.133515777	0.1	0.82	0.220060703	2.641171325	35825.3014
1435.6	0.998374697	5.960696293	0.133471038	0.1	0.82	0.219986965	2.64028601	35827.94169
1435.8	0.998448831	5.961138899	0.133426347	0.1	0.82	0.219913305	2.639401622	35830.58109
1436	0.99852294	5.961581359	0.133381702	0.1	0.82	0.219839722	2.638518159	35833.21961
1436.2	0.998597024	5.962023672	0.133337104	0.1	0.82	0.219766215	2.637635622	35835.85725
1436.4	0.998671084	5.962465839	0.133292553	0.1	0.82	0.219692786	2.636754006	35838.494
1436.6	0.998745119	5.962907859	0.133248048	0.1	0.82	0.219619433	2.635873312	35841.12987
1436.8	0.99881913	5.963349734	0.13320359	0.1	0.82	0.219546157	2.634993538	35843.76487
1437	0.998893117	5.963791463	0.133159178	0.1	0.82	0.219472957	2.634114681	35846.39898
1437.2	0.998967079	5.964233046	0.133114812	0.1	0.82	0.219399833	2.63323674	35849.03222
1437.4	0.999041016	5.964674484	0.133070493	0.1	0.82	0.219326786	2.632359714	35851.66458
1437.6	0.99911493	5.965115776	0.133026219	0.1	0.82	0.219253814	2.6314836	35854.29606
1437.8	0.999188819	5.965556923	0.132981992	0.1	0.82	0.219180919	2.630608399	35856.92667

1438	0.999262683	5.965997926	0.13293781	0.1	0.82	0.219108099	2.629734106	35859.5564
1438.2	0.999336524	5.966438783	0.132893675	0.1	0.82	0.219035355	2.628860723	35862.18526
1438.4	0.99941034	5.966879495	0.132849585	0.1	0.82	0.218962686	2.627988245	35864.81325
1438.6	0.999484132	5.967320063	0.132805541	0.1	0.82	0.218890093	2.627116673	35867.44037
1438.8	0.9995579	5.967760486	0.132761543	0.1	0.82	0.218817575	2.626246005	35870.06662
1439	0.999631644	5.968200765	0.13271759	0.1	0.82	0.218745132	2.625376238	35872.69199
1439.2	0.999705363	5.9686409	0.132673683	0.1	0.82	0.218672764	2.624507371	35875.3165
1439.4	0.999779058	5.969080891	0.132629821	0.1	0.82	0.21860047	2.623639404	35877.94014
1439.6	0.99985273	5.969520737	0.132586004	0.1	0.82	0.218528252	2.622772333	35880.56291
1439.8	0.999926377	5.96996044	0.132542233	0.1	0.82	0.218456108	2.621906158	35883.18482
1440	1	5.9704	0.132498506	0.1	0.82	0.218384038	2.621040878	35885.80586
1440.2	1	5.9704	0.128060665	0.1	0.82	0.211069587	2.576721754	35888.38258
1440.4	1	5.9704	0.123624301	0.1	0.82	0.203757572	2.488962958	35890.87154
1440.6	1	5.9704	0.119189413	0.1	0.82	0.196447991	2.401233379	35893.27278
1440.8	1	5.9704	0.114756001	0.1	0.82	0.18914084	2.313532986	35895.58631
1441	1	5.9704	0.110324061	0.1	0.82	0.181836118	2.22586175	35897.81217
1441.2	1	5.9704	0.105893594	0.1	0.82	0.174533822	2.138219639	35899.95039
1441.4	1	5.9704	0.101464597	0.1	0.82	0.167233949	2.050606624	35902.001
1441.6	1	5.9704	0.097037069	0.1	0.82	0.159936497	1.963022675	35903.96402
1441.8	1	5.9704	0.092611008	0.1	0.82	0.152641463	1.875467761	35905.83949
1442	1	5.9704	0.088186413	0.1	0.82	0.145348845	1.787941853	35907.62743
1442.2	1	5.9704	0.083763282	0.1	0.82	0.138058641	1.700444919	35909.32787
1442.4	1	5.9704	0.079341614	0.1	0.82	0.130770847	1.612976931	35910.94085
1442.6	1	5.9704	0.074921407	0.1	0.82	0.123485462	1.525537859	35912.46639
1442.8	1	5.9704	0.070502659	0.1	0.82	0.116202483	1.438127671	35913.90452
1443	1	5.9704	0.06608537	0.1	0.82	0.108921907	1.35074634	35915.25526
1443.2	1	5.9704	0.061669538	0.1	0.82	0.101643732	1.263393834	35916.51866
1443.4	1	5.9704	0.05725516	0.1	0.82	0.094367955	1.176070124	35917.69473
1443.6	1	5.9704	0.052842237	0.1	0.82	0.087094575	1.088775181	35918.7835
1443.8	1	5.9704	0.048430766	0.1	0.82	0.079823588	1.001508975	35919.78501
1444	1	5.9704	0.044020745	0.1	0.82	0.072554992	0.914271476	35920.69928
1444.2	1	5.9704	0.039612173	0.1	0.82	0.065288784	0.827062655	35921.52635
1444.4	1	5.9704	0.03520505	0.1	0.82	0.058024963	0.739882482	35922.26623
1444.6	1	5.9704	0.030799372	0.1	0.82	0.050763525	0.652730928	35922.91896
1444.8	1	5.9704	0.026395139	0.1	0.82	0.043504469	0.565607964	35923.48457
1445	1	5.9704	0.02199235	0.1	0.82	0.036247791	0.47851356	35923.96308
1445.2	1	5.9704	0.017591002	0.1	0.82	0.02899349	0.391447687	35924.35453
1445.4	1	5.9704	0.013191095	0.1	0.82	0.021741563	0.304410315	35924.65894
1445.6	1	5.9704	0.008792626	0.1	0.82	0.014492007	0.217401417	35924.87634
1445.8	1	5.9704	0.004395595	0.1	0.82	0.00724482	0.130420961	35925.00676
1446	1	5.9704	0	0.1	0.82	0	0.04346892	35925.05023

Peak Flow Hydrologic Analysis

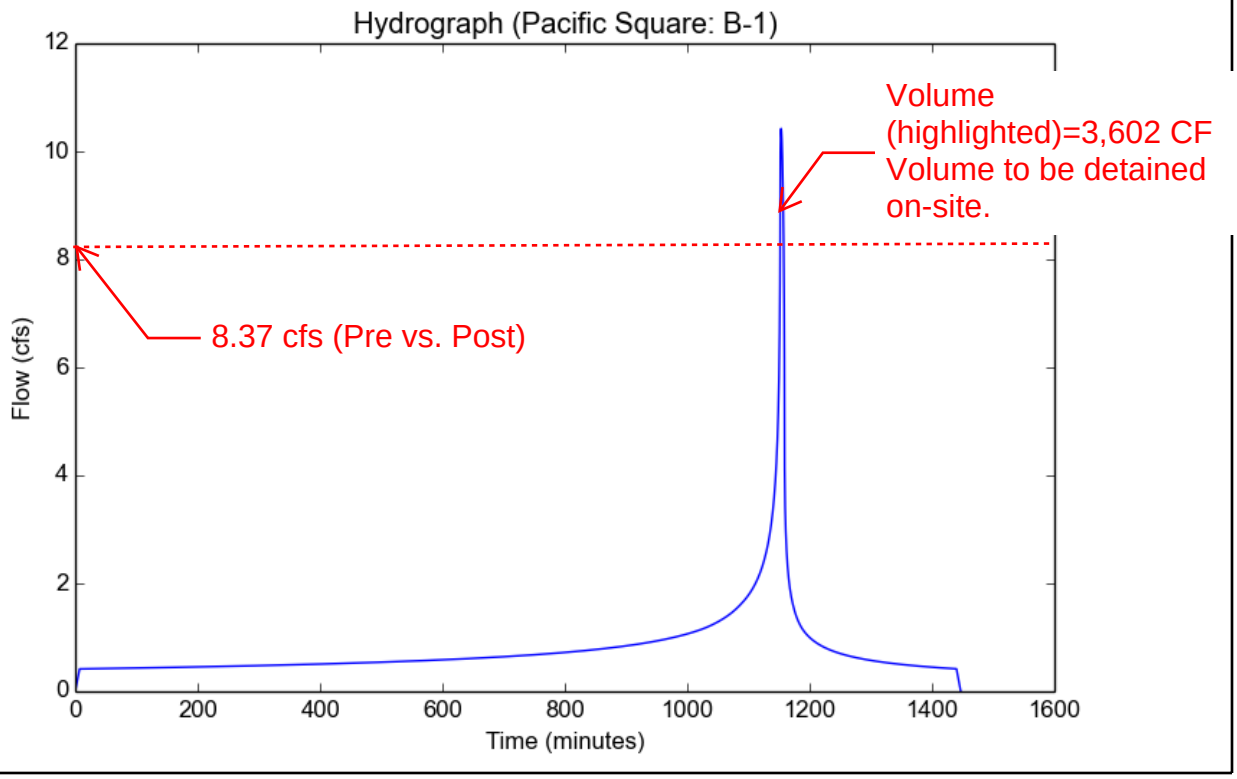
File location: C:/Users/Eduardo Cruz/Desktop/HYDRO CALC/B-1/1785-002 Post-25yr B-1.pdf
Version: HydroCalc 1.0.2

Input Parameters

Project Name	Pacific Square
Subarea ID	B-1
Area (ac)	3.84
Flow Path Length (ft)	493.0
Flow Path Slope (vft/hft)	0.0091
50-yr Rainfall Depth (in)	6.8
Percent Impervious	0.9
Soil Type	6
Design Storm Frequency	25-yr
Fire Factor	0
LID	False

Output Results

Modeled (25-yr) Rainfall Depth (in)	5.9704
Peak Intensity (in/hr)	3.0411
Undeveloped Runoff Coefficient (Cu)	0.8252
Developed Runoff Coefficient (Cd)	0.8925
Time of Concentration (min)	7.0
Clear Peak Flow Rate (cfs)	10.4225
Burned Peak Flow Rate (cfs)	10.4225
24-Hr Clear Runoff Volume (ac-ft)	1.5755
24-Hr Clear Runoff Volume (cu-ft)	68630.5018



Q25 Hydrograph Output file (from HydroCalc) - Yellow highlighted area refers to detention basin design.

Inputs: Pacific Square

Subarea ID	Area (ac)	Flow Path Length (ft)	Flow Path Slope (vft/hft)	50-yr Rainfall Depth (in)	Percent Impervious	Soil Type	Design Storm Frequency	Fire Factor
B-1	3.84	493	0.0091	6.8	0.9	6	25-yr	0

Outputs: Pacific Square

Area (ac)	Modeled (25-yr) Rainfall Depth (in)	Time of Concentration (min)	Clear Peak Flow Rate (cfs)	24-Hr Clear Runoff Volume (ac-ft)	Burned Peak Flow Rate (cfs)	Peak Intensity (in/hr)	Undeveloped Runoff Coefficient (Cu)	Developed Runoff Coefficient (Cd)
B-1	5.9704	7	10.42254589	1.575539528	10.42254589	3.041070437	0.825162097	0.89251621

Hydrograph: Pacific Square - B-1

Time (min)	Incremental Masscurve	Incremental Design Storm Depth (in)	Intensity (in/hr)	Undeveloped Runoff Coefficient (Cu)	Developed Runoff Coefficient (Cd)	Clear Peak Flow Rate (cfs)	Incremental Volume (cu-ft)	Cumulative Volume (cu-ft)
0	0	0	0	0	0	0	0	0
0.2	7.36E-05	0.000439506	0	0	0	0.011878638	0.071271828	0.071271828
0.4	0.000147234	0.000879047	0	0	0	0.023757276	0.213815485	0.285087313
0.6	0.00022086	0.001318625	0	0	0	0.035635914	0.356359141	0.641446454
0.8	0.000294493	0.001758238	0	0	0	0.047514552	0.498902797	1.140349251
1	0.000368131	0.002197887	0	0	0	0.05939319	0.641446454	1.781795705
1.2	0.000441775	0.002637572	0	0	0	0.071271828	0.78399011	2.565785815
1.4	0.000515425	0.003077294	0	0	0	0.083150466	0.926533767	3.492319582
1.6	0.000589081	0.003517051	0	0	0	0.095029104	1.069077423	4.561397005
1.8	0.000662743	0.003956843	0	0	0	0.106907742	1.21162108	5.773018085
2	0.000736412	0.004396672	0	0	0	0.11878638	1.354164736	7.127182821
2.2	0.000810086	0.004836537	0	0	0	0.130665018	1.496708392	8.623891213
2.4	0.000883766	0.005276438	0	0	0	0.142543656	1.639252049	10.26314326
2.6	0.000957453	0.005716375	0	0	0	0.154422294	1.781795705	12.04493897
2.8	0.001031145	0.006156347	0	0	0	0.166300932	1.924339362	13.96927833
3	0.001104843	0.006596356	0	0	0	0.178179571	2.066883018	16.03616135
3.2	0.001178548	0.007036401	0	0	0	0.190058209	2.209426674	18.24558802
3.4	0.001252258	0.007476482	0	0	0	0.201936847	2.351970331	20.59755835
3.6	0.001325975	0.007916598	0	0	0	0.213815485	2.494513987	23.09207234
3.8	0.001399697	0.008356751	0	0	0	0.225694123	2.637057644	25.72912998
4	0.001473426	0.00879694	0	0	0	0.237572761	2.7796013	28.50873128
4.2	0.00154716	0.009237165	0	0	0	0.249451399	2.922144957	31.43087624
4.4	0.001620901	0.009677426	0	0	0	0.261330037	3.064688613	34.49556485

4.6	0.001694647	0.010117723	0	0	0	0.273208675	3.207232269	37.70279712
4.8	0.0017684	0.010558056	0	0	0	0.285087313	3.349775926	41.05257305
5	0.001842159	0.010998425	0	0	0	0.296965951	3.492319582	44.54489263
5.2	0.001915924	0.01143883	0	0	0	0.308844589	3.634863239	48.17975587
5.4	0.001989694	0.011879271	0	0	0	0.320723227	3.777406895	51.95716276
5.6	0.002063471	0.012319749	0	0	0	0.332601865	3.919950551	55.87711331
5.8	0.002137254	0.012760262	0	0	0	0.344480503	4.062494208	59.93960752
6	0.002211043	0.013200812	0	0	0	0.356359141	4.205037864	64.14464539
6.2	0.002284838	0.013641398	0	0	0	0.368237779	4.347581521	68.49222691
6.4	0.002358639	0.01408202	0	0	0	0.380116417	4.490125177	72.98235208
6.6	0.002432446	0.014522678	0	0	0	0.391995055	4.632668833	77.61502092
6.8	0.00250626	0.014963372	0	0	0	0.403873693	4.77521249	82.39023341
7	0.002580079	0.015404103	0.132035166	0.1	0.82	0.415752331	4.917756146	87.30798955
7.2	0.002653904	0.015844869	0.132045974	0.1	0.82	0.415786363	4.989232167	92.29722172
7.4	0.002727736	0.016285672	0.132056785	0.1	0.82	0.415820404	4.989640605	97.28686233
7.6	0.002801573	0.016726511	0.132067598	0.1	0.82	0.415854454	4.990049148	102.2769115
7.8	0.002875416	0.017167386	0.132078415	0.1	0.82	0.415888512	4.990457795	107.2673693
8	0.002949266	0.017608298	0.132089234	0.1	0.82	0.415922579	4.990866546	112.2582358
8.2	0.003023122	0.018049246	0.132100056	0.1	0.82	0.415956655	4.991275403	117.2495112
8.4	0.003096983	0.01849023	0.13211088	0.1	0.82	0.415990739	4.991684364	122.2411956
8.6	0.003170851	0.01893125	0.132121707	0.1	0.82	0.416024832	4.99209343	127.233289
8.8	0.003244725	0.019372306	0.132132538	0.1	0.82	0.416058934	4.992502601	132.2257916
9	0.003318605	0.019813399	0.132143371	0.1	0.82	0.416093045	4.992911877	137.2187035
9.2	0.003392491	0.020254528	0.132154206	0.1	0.82	0.416127165	4.993321258	142.2120247
9.4	0.003466383	0.020695693	0.132165045	0.1	0.82	0.416161293	4.993730744	147.2057555
9.6	0.003540281	0.021136895	0.132175886	0.1	0.82	0.41619543	4.994140335	152.1998958
9.8	0.003614185	0.021578133	0.13218673	0.1	0.82	0.416229575	4.99455003	157.1944459
10	0.003688096	0.022019407	0.132197577	0.1	0.82	0.41626373	4.994959832	162.1894057
10.2	0.003762012	0.022460717	0.132208426	0.1	0.82	0.416297893	4.995369738	167.1847754
10.4	0.003835935	0.022902064	0.132219279	0.1	0.82	0.416332065	4.995779749	172.1805552
10.6	0.003909863	0.023343447	0.132230134	0.1	0.82	0.416366246	4.996189866	177.176745
10.8	0.003983798	0.023784867	0.132240992	0.1	0.82	0.416400435	4.996600088	182.1733451
11	0.004057739	0.024226323	0.132251853	0.1	0.82	0.416434634	4.997010416	187.1703555
11.2	0.004131685	0.024667815	0.132262716	0.1	0.82	0.416468841	4.997420849	192.1677764
11.4	0.004205638	0.025109344	0.132273583	0.1	0.82	0.416503057	4.997831387	197.1656078
11.6	0.004279597	0.025550909	0.132284452	0.1	0.82	0.416537282	4.998242031	202.1638498
11.8	0.004353563	0.02599251	0.132295324	0.1	0.82	0.416571515	4.99865278	207.1625026

12	0.004427534	0.026434148	0.132306198	0.1	0.82	0.416605757	4.999063635	212.1615662
12.2	0.004501511	0.026875822	0.132317076	0.1	0.82	0.416640009	4.999474596	217.1610408
12.4	0.004575495	0.027317533	0.132327956	0.1	0.82	0.416674268	4.999885662	222.1609265
12.6	0.004649484	0.02775928	0.132338839	0.1	0.82	0.416708537	5.000296834	227.1612233
12.8	0.00472348	0.028201064	0.132349725	0.1	0.82	0.416742815	5.000708112	232.1619314
13	0.004797482	0.028642884	0.132360614	0.1	0.82	0.416777101	5.001119495	237.1630509
13.2	0.004871489	0.02908474	0.132371505	0.1	0.82	0.416811396	5.001530985	242.1645819
13.4	0.004945503	0.029526633	0.1323824	0.1	0.82	0.4168457	5.00194258	247.1665245
13.6	0.005019523	0.029968563	0.132393297	0.1	0.82	0.416880013	5.002354282	252.1688788
13.8	0.00509355	0.030410529	0.132404197	0.1	0.82	0.416914335	5.002766089	257.1716449
14	0.005167582	0.030852531	0.1324151	0.1	0.82	0.416948665	5.003178002	262.1748229
14.2	0.00524162	0.03129457	0.132426005	0.1	0.82	0.416983005	5.003590022	267.1784129
14.4	0.005315665	0.031736645	0.132436913	0.1	0.82	0.417017353	5.004002148	272.182415
14.6	0.005389716	0.032178757	0.132447825	0.1	0.82	0.41705171	5.004414379	277.1868294
14.8	0.005463772	0.032620906	0.132458739	0.1	0.82	0.417086076	5.004826718	282.1916561
15	0.005537835	0.033063091	0.132469655	0.1	0.82	0.417120451	5.005239162	287.1968953
15.2	0.005611904	0.033505313	0.132480575	0.1	0.82	0.417154835	5.005651713	292.202547
15.4	0.005685979	0.033947571	0.132491497	0.1	0.82	0.417189227	5.00606437	297.2086114
15.6	0.005760061	0.034389866	0.132502423	0.1	0.82	0.417223628	5.006477133	302.2150885
15.8	0.005834148	0.034832197	0.132513351	0.1	0.82	0.417258039	5.006890003	307.2219785
16	0.005908242	0.035274565	0.132524282	0.1	0.82	0.417292458	5.007302979	312.2292815
16.2	0.005982341	0.03571697	0.132535215	0.1	0.82	0.417326886	5.007716062	317.2369976
16.4	0.006056447	0.036159411	0.132546152	0.1	0.82	0.417361323	5.008129252	322.2451268
16.6	0.006130559	0.036601889	0.132557091	0.1	0.82	0.417395769	5.008542548	327.2536694
16.8	0.006204677	0.037044403	0.132568033	0.1	0.82	0.417430223	5.008955951	332.2626253
17	0.006278801	0.037486954	0.132578978	0.1	0.82	0.417464687	5.009369461	337.2719948
17.2	0.006352931	0.037929542	0.132589926	0.1	0.82	0.417499159	5.009783077	342.2817778
17.4	0.006427068	0.038372166	0.132600877	0.1	0.82	0.417533641	5.010196801	347.2919746
17.6	0.006501211	0.038814828	0.13261183	0.1	0.82	0.417568131	5.010610631	352.3025853
17.8	0.006575359	0.039257525	0.132622787	0.1	0.82	0.41760263	5.011024568	357.3136098
18	0.006649514	0.03970026	0.132633746	0.1	0.82	0.417637138	5.011438612	362.3250485
18.2	0.006723675	0.040143031	0.132644708	0.1	0.82	0.417671655	5.011852763	367.3369012
18.4	0.006797842	0.040585839	0.132655672	0.1	0.82	0.417706181	5.012267021	372.3491682
18.6	0.006872016	0.041028683	0.13266664	0.1	0.82	0.417740716	5.012681387	377.3618496
18.8	0.006946195	0.041471565	0.132677611	0.1	0.82	0.41777526	5.013095859	382.3749455
19	0.007020381	0.041914483	0.132688584	0.1	0.82	0.417809813	5.013510439	387.3884559
19.2	0.007094573	0.042357438	0.13269956	0.1	0.82	0.417844375	5.013925126	392.4023811

19.4	0.007168771	0.042800429	0.132710539	0.1	0.82	0.417878945	5.01433992	397.416721
19.6	0.007242975	0.043243458	0.132721521	0.1	0.82	0.417913525	5.014754821	402.4314758
19.8	0.007317185	0.043686523	0.132732506	0.1	0.82	0.417948113	5.01516983	407.4466456
20	0.007391402	0.044129625	0.132743493	0.1	0.82	0.417982711	5.015584947	412.4622306
20.2	0.007465624	0.044572763	0.132754483	0.1	0.82	0.418017317	5.016000171	417.4782307
20.4	0.007539853	0.045015939	0.132765477	0.1	0.82	0.418051933	5.016415502	422.4946462
20.6	0.007614088	0.045459151	0.132776473	0.1	0.82	0.418086557	5.016830941	427.5114772
20.8	0.007688329	0.0459024	0.132787472	0.1	0.82	0.418121191	5.017246488	432.5287237
21	0.007762576	0.046345686	0.132798473	0.1	0.82	0.418155833	5.017662142	437.5463858
21.2	0.00783683	0.046789009	0.132809478	0.1	0.82	0.418190484	5.018077904	442.5644637
21.4	0.007911089	0.047232369	0.132820485	0.1	0.82	0.418225145	5.018493774	447.5829575
21.6	0.007985355	0.047675765	0.132831496	0.1	0.82	0.418259814	5.018909751	452.6018672
21.8	0.008059627	0.048119199	0.132842509	0.1	0.82	0.418294492	5.019325837	457.6211931
22	0.008133905	0.048562669	0.132853525	0.1	0.82	0.418329179	5.01974203	462.6409351
22.2	0.00820819	0.049006176	0.132864544	0.1	0.82	0.418363876	5.020158331	467.6610934
22.4	0.00828248	0.04944972	0.132875566	0.1	0.82	0.418398581	5.020574741	472.6816682
22.6	0.008356777	0.049893301	0.13288659	0.1	0.82	0.418433295	5.020991258	477.7026594
22.8	0.00843108	0.050336919	0.132897618	0.1	0.82	0.418468019	5.021407883	482.7240673
23	0.008505389	0.050780574	0.132908648	0.1	0.82	0.418502751	5.021824617	487.7458919
23.2	0.008579704	0.051224266	0.132919681	0.1	0.82	0.418537492	5.022241459	492.7681334
23.4	0.008654026	0.051667995	0.132930717	0.1	0.82	0.418572243	5.022658409	497.7907918
23.6	0.008728353	0.05211176	0.132941756	0.1	0.82	0.418607002	5.023075467	502.8138673
23.8	0.008802687	0.052555563	0.132952798	0.1	0.82	0.41864177	5.023492634	507.8373599
24	0.008877027	0.052999403	0.132963843	0.1	0.82	0.418676548	5.023909909	512.8612698
24.2	0.008951373	0.053443279	0.13297489	0.1	0.82	0.418711334	5.024327292	517.8855971
24.4	0.009025726	0.053887193	0.132985941	0.1	0.82	0.41874613	5.024744784	522.9103419
24.6	0.009100084	0.054331144	0.132996994	0.1	0.82	0.418780934	5.025162385	527.9355043
24.8	0.009174449	0.054775131	0.13300805	0.1	0.82	0.418815748	5.025580094	532.9610844
25	0.00924882	0.055219156	0.133019109	0.1	0.82	0.418850571	5.025997911	537.9870823
25.2	0.009323197	0.055663218	0.133030171	0.1	0.82	0.418885402	5.026415838	543.0134981
25.4	0.009397581	0.056107316	0.133041236	0.1	0.82	0.418920243	5.026833873	548.040332
25.6	0.00947197	0.056551452	0.133052303	0.1	0.82	0.418955093	5.027252016	553.067584
25.8	0.009546366	0.056995625	0.133063374	0.1	0.82	0.418989952	5.027670269	558.0952543
26	0.009620768	0.057439835	0.133074447	0.1	0.82	0.41902482	5.02808863	563.1233429
26.2	0.009695177	0.057884082	0.133085524	0.1	0.82	0.419059697	5.028507101	568.15185
26.4	0.009769591	0.058328366	0.133096603	0.1	0.82	0.419094583	5.02892568	573.1807757
26.6	0.009844012	0.058772687	0.133107685	0.1	0.82	0.419129478	5.029344368	578.2101201

26.8	0.009918439	0.059217046	0.13311877	0.1	0.82	0.419164383	5.029763166	583.2398832
27	0.009992872	0.059661441	0.133129858	0.1	0.82	0.419199296	5.030182072	588.2700653
27.2	0.010067311	0.060105874	0.133140948	0.1	0.82	0.419234219	5.030601087	593.3006664
27.4	0.010141757	0.060550344	0.133152042	0.1	0.82	0.41926915	5.031020212	598.3316866
27.6	0.010216208	0.060994851	0.133163139	0.1	0.82	0.419304091	5.031439446	603.363126
27.8	0.010290666	0.061439395	0.133174238	0.1	0.82	0.419339041	5.031858789	608.3949848
28	0.010365131	0.061883976	0.13318534	0.1	0.82	0.419374	5.032278242	613.4272631
28.2	0.010439601	0.062328594	0.133196446	0.1	0.82	0.419408968	5.032697804	618.4599609
28.4	0.010514078	0.06277325	0.133207554	0.1	0.82	0.419443945	5.033117475	623.4930784
28.6	0.010588561	0.063217943	0.133218665	0.1	0.82	0.419478931	5.033537256	628.5266156
28.8	0.01066305	0.063662673	0.133229779	0.1	0.82	0.419513927	5.033957147	633.5605728
29	0.010737545	0.06410744	0.133240895	0.1	0.82	0.419548931	5.034377147	638.5949499
29.2	0.010812047	0.064552245	0.133252015	0.1	0.82	0.419583945	5.034797256	643.6297472
29.4	0.010886555	0.064997086	0.133263138	0.1	0.82	0.419618968	5.035217475	648.6649646
29.6	0.010961069	0.065441965	0.133274263	0.1	0.82	0.419654	5.035637804	653.7006024
29.8	0.011035589	0.065886882	0.133285392	0.1	0.82	0.419689041	5.036058243	658.7366607
30	0.011110116	0.066331835	0.133296523	0.1	0.82	0.419724091	5.036478792	663.7731395
30.2	0.011184649	0.066776826	0.133307657	0.1	0.82	0.419759151	5.03689945	668.8100389
30.4	0.011259188	0.067221854	0.133318794	0.1	0.82	0.419794219	5.037320218	673.8473591
30.6	0.011333733	0.067666919	0.133329934	0.1	0.82	0.419829297	5.037741097	678.8851002
30.8	0.011408285	0.068112022	0.133341077	0.1	0.82	0.419864384	5.038162085	683.9232623
31	0.011482842	0.068557162	0.133352223	0.1	0.82	0.41989948	5.038583183	688.9618455
31.2	0.011557406	0.069002339	0.133363372	0.1	0.82	0.419934585	5.039004392	694.0008499
31.4	0.011631977	0.069447554	0.133374524	0.1	0.82	0.4199697	5.03942571	699.0402756
31.6	0.011706553	0.069892806	0.133385678	0.1	0.82	0.420004823	5.039847139	704.0801227
31.8	0.011781136	0.070338095	0.133396836	0.1	0.82	0.420039956	5.040268678	709.1203914
32	0.011855725	0.070783422	0.133407996	0.1	0.82	0.420075098	5.040690327	714.1610818
32.2	0.011930321	0.071228786	0.13341916	0.1	0.82	0.42011025	5.041112087	719.2021938
32.4	0.012004922	0.071674188	0.133430326	0.1	0.82	0.42014541	5.041533957	724.2437278
32.6	0.01207953	0.072119627	0.133441495	0.1	0.82	0.42018058	5.041955937	729.2856837
32.8	0.012154144	0.072565103	0.133452667	0.1	0.82	0.420215758	5.042378028	734.3280618
33	0.012228765	0.073010617	0.133463842	0.1	0.82	0.420250947	5.04280023	739.370862
33.2	0.012303391	0.073456168	0.13347502	0.1	0.82	0.420286144	5.043222542	744.4140845
33.4	0.012378024	0.073901756	0.133486201	0.1	0.82	0.42032135	5.043644965	749.4577295
33.6	0.012452664	0.074347382	0.133497385	0.1	0.82	0.420356566	5.044067498	754.501797
33.8	0.012527309	0.074793046	0.133508572	0.1	0.82	0.420391791	5.044490142	759.5462871
34	0.012601961	0.075238747	0.133519762	0.1	0.82	0.420427025	5.044912897	764.5912

34.2	0.012676619	0.075684485	0.133530954	0.1	0.82	0.420462269	5.045335763	769.6365358
34.4	0.012751283	0.076130261	0.13354215	0.1	0.82	0.420497521	5.04575874	774.6822945
34.6	0.012825954	0.076576075	0.133553348	0.1	0.82	0.420532783	5.046181827	779.7284764
34.8	0.012900631	0.077021925	0.13356455	0.1	0.82	0.420568054	5.046605026	784.7750814
35	0.012975314	0.077467814	0.133575754	0.1	0.82	0.420603335	5.047028335	789.8221097
35.2	0.013050003	0.07791374	0.133586962	0.1	0.82	0.420638625	5.047451756	794.8695615
35.4	0.013124699	0.078359703	0.133598172	0.1	0.82	0.420673923	5.047875288	799.9174368
35.6	0.013199401	0.078805704	0.133609385	0.1	0.82	0.420709232	5.048298931	804.9657357
35.8	0.013274109	0.079251743	0.133620601	0.1	0.82	0.420744549	5.048722685	810.0144584
36	0.013348824	0.079697819	0.13363182	0.1	0.82	0.420779876	5.04914655	815.0636049
36.2	0.013423545	0.080143933	0.133643042	0.1	0.82	0.420815212	5.049570527	820.1131755
36.4	0.013498272	0.080590084	0.133654267	0.1	0.82	0.420850557	5.049994615	825.1631701
36.6	0.013573006	0.081036273	0.133665495	0.1	0.82	0.420885912	5.050418815	830.2135889
36.8	0.013647745	0.0814825	0.133676726	0.1	0.82	0.420921276	5.050843126	835.264432
37	0.013722492	0.081928764	0.13368796	0.1	0.82	0.420956649	5.051267548	840.3156996
37.2	0.013797244	0.082375065	0.133699197	0.1	0.82	0.420992031	5.051692083	845.3673917
37.4	0.013872003	0.082821405	0.133710437	0.1	0.82	0.421027423	5.052116728	850.4195084
37.6	0.013946768	0.083267782	0.133721679	0.1	0.82	0.421062824	5.052541486	855.4720499
37.8	0.014021539	0.083714197	0.133732925	0.1	0.82	0.421098235	5.052966355	860.5250162
38	0.014096317	0.084160649	0.133744174	0.1	0.82	0.421133654	5.053391336	865.5784076
38.2	0.014171101	0.084607139	0.133755425	0.1	0.82	0.421169084	5.053816428	870.632224
38.4	0.014245891	0.085053667	0.13376668	0.1	0.82	0.421204522	5.054241633	875.6864656
38.6	0.014320687	0.085500232	0.133777938	0.1	0.82	0.42123997	5.054666949	880.7411326
38.8	0.01439549	0.085946835	0.133789198	0.1	0.82	0.421275427	5.055092378	885.7962249
39	0.014470299	0.086393476	0.133800461	0.1	0.82	0.421310893	5.055517918	890.8517429
39.2	0.014545115	0.086840154	0.133811728	0.1	0.82	0.421346369	5.05594357	895.9076864
39.4	0.014619937	0.087286871	0.133822997	0.1	0.82	0.421381854	5.056369335	900.9640558
39.6	0.014694765	0.087733625	0.13383427	0.1	0.82	0.421417348	5.056795212	906.020851
39.8	0.014769599	0.088180416	0.133845545	0.1	0.82	0.421452852	5.057221201	911.0780722
40	0.01484444	0.088627246	0.133856823	0.1	0.82	0.421488365	5.057647302	916.1357195
40.2	0.014919287	0.089074113	0.133868105	0.1	0.82	0.421523888	5.058073515	921.193793
40.4	0.014994141	0.089521018	0.133879389	0.1	0.82	0.421559419	5.058499841	926.2522928
40.6	0.015069001	0.089967961	0.133890676	0.1	0.82	0.421594961	5.05892628	931.3112191
40.8	0.015143867	0.090414942	0.133901966	0.1	0.82	0.421630511	5.05935283	936.3705719
41	0.015218739	0.09086196	0.133913259	0.1	0.82	0.421666071	5.059779494	941.4303514
41.2	0.015293618	0.091309017	0.133924556	0.1	0.82	0.42170164	5.060206269	946.4905577
41.4	0.015368503	0.091756111	0.133935855	0.1	0.82	0.421737219	5.060633158	951.5511909

41.6	0.015443395	0.092203243	0.133947157	0.1	0.82	0.421772807	5.061060159	956.612251
41.8	0.015518292	0.092650413	0.133958462	0.1	0.82	0.421808405	5.061487273	961.6737383
42	0.015593197	0.09309762	0.13396977	0.1	0.82	0.421844012	5.061914499	966.7356528
42.2	0.015668107	0.093544866	0.133981081	0.1	0.82	0.421879628	5.062341839	971.7979946
42.4	0.015743024	0.093992149	0.133992395	0.1	0.82	0.421915254	5.062769291	976.8607639
42.6	0.015817947	0.094439471	0.134003712	0.1	0.82	0.421950889	5.063196856	981.9239608
42.8	0.015892877	0.09488683	0.134015032	0.1	0.82	0.421986533	5.063624534	986.9875853
43	0.015967812	0.095334227	0.134026355	0.1	0.82	0.422022187	5.064052325	992.0516376
43.2	0.016042755	0.095781662	0.134037681	0.1	0.82	0.422057851	5.064480229	997.1161179
43.4	0.016117703	0.096229135	0.13404901	0.1	0.82	0.422093524	5.064908246	1002.181026
43.6	0.016192658	0.096676646	0.134060342	0.1	0.82	0.422129206	5.065336377	1007.246362
43.8	0.016267619	0.097124195	0.134071677	0.1	0.82	0.422164898	5.06576462	1012.312127
44	0.016342587	0.097571782	0.134083015	0.1	0.82	0.422200599	5.066192977	1017.37832
44.2	0.016417561	0.098019407	0.134094356	0.1	0.82	0.422236309	5.066621447	1022.444942
44.4	0.016492542	0.09846707	0.1341057	0.1	0.82	0.422272029	5.067050031	1027.511992
44.6	0.016567528	0.098914771	0.134117047	0.1	0.82	0.422307759	5.067478728	1032.57947
44.8	0.016642521	0.09936251	0.134128397	0.1	0.82	0.422343498	5.067907538	1037.647378
45	0.016717521	0.099810286	0.13413975	0.1	0.82	0.422379246	5.068336462	1042.715714
45.2	0.016792527	0.100258101	0.134151106	0.1	0.82	0.422415004	5.0687655	1047.78448
45.4	0.016867539	0.100705954	0.134162465	0.1	0.82	0.422450771	5.069194651	1052.853674
45.6	0.016942557	0.101153845	0.134173827	0.1	0.82	0.422486548	5.069623916	1057.923298
45.8	0.017017582	0.101601774	0.134185193	0.1	0.82	0.422522334	5.070053294	1062.993352
46	0.017092614	0.102049741	0.134196561	0.1	0.82	0.42255813	5.070482786	1068.063834
46.2	0.017167651	0.102497746	0.134207932	0.1	0.82	0.422593935	5.070912392	1073.134747
46.4	0.017242696	0.10294579	0.134219306	0.1	0.82	0.42262975	5.071342112	1078.206089
46.6	0.017317746	0.103393871	0.134230683	0.1	0.82	0.422665574	5.071771946	1083.277861
46.8	0.017392803	0.10384199	0.134242063	0.1	0.82	0.422701408	5.072201894	1088.350063
47	0.017467866	0.104290148	0.134253446	0.1	0.82	0.422737251	5.072631956	1093.422695
47.2	0.017542936	0.104738344	0.134264832	0.1	0.82	0.422773104	5.073062131	1098.495757
47.4	0.017618012	0.105186578	0.134276221	0.1	0.82	0.422808966	5.073492421	1103.569249
47.6	0.017693094	0.10563485	0.134287614	0.1	0.82	0.422844838	5.073922826	1108.643172
47.8	0.017768183	0.10608316	0.134299009	0.1	0.82	0.422880719	5.074353344	1113.717525
48	0.017843278	0.106531508	0.134310407	0.1	0.82	0.42291661	5.074783977	1118.792309
48.2	0.01791838	0.106979894	0.134321808	0.1	0.82	0.42295251	5.075214724	1123.867524
48.4	0.017993488	0.107428319	0.134333213	0.1	0.82	0.42298842	5.075645585	1128.94317
48.6	0.018068602	0.107876782	0.13434462	0.1	0.82	0.42302434	5.076076561	1134.019246
48.8	0.018143723	0.108325283	0.13435603	0.1	0.82	0.423060269	5.076507651	1139.095754

49	0.01821885	0.108773822	0.134367444	0.1	0.82	0.423096207	5.076938856	1144.172693
49.2	0.018293984	0.1092224	0.13437886	0.1	0.82	0.423132155	5.077370175	1149.250063
49.4	0.018369124	0.109671015	0.13439028	0.1	0.82	0.423168113	5.077801609	1154.327865
49.6	0.01844427	0.110119669	0.134401702	0.1	0.82	0.42320408	5.078233158	1159.406098
49.8	0.018519423	0.110568362	0.134413128	0.1	0.82	0.423240057	5.078664821	1164.484763
50	0.018594582	0.111017092	0.134424556	0.1	0.82	0.423276043	5.079096599	1169.563859
50.2	0.018669748	0.111465861	0.134435988	0.1	0.82	0.423312039	5.079528492	1174.643388
50.4	0.01874492	0.111914668	0.134447423	0.1	0.82	0.423348044	5.0799605	1179.723348
50.6	0.018820098	0.112363513	0.13445886	0.1	0.82	0.423384059	5.080392623	1184.803741
50.8	0.018895283	0.112812397	0.134470301	0.1	0.82	0.423420084	5.080824861	1189.884566
51	0.018970474	0.113261319	0.134481745	0.1	0.82	0.423456118	5.081257214	1194.965823
51.2	0.019045672	0.113710279	0.134493192	0.1	0.82	0.423492162	5.081689682	1200.047513
51.4	0.019120876	0.114159278	0.134504642	0.1	0.82	0.423528215	5.082122265	1205.129635
51.6	0.019196087	0.114608315	0.134516095	0.1	0.82	0.423564278	5.082554963	1210.21219
51.8	0.019271304	0.11505739	0.134527551	0.1	0.82	0.423600351	5.082987777	1215.295178
52	0.019346527	0.115506504	0.13453901	0.1	0.82	0.423636433	5.083420706	1220.378598
52.2	0.019421757	0.115955656	0.134550472	0.1	0.82	0.423672525	5.08385375	1225.462452
52.4	0.019496993	0.116404847	0.134561937	0.1	0.82	0.423708627	5.084286909	1230.546739
52.6	0.019572236	0.116854076	0.134573405	0.1	0.82	0.423744738	5.084720184	1235.631459
52.8	0.019647485	0.117303343	0.134584876	0.1	0.82	0.423780858	5.085153575	1240.716613
53	0.01972274	0.117752649	0.134596351	0.1	0.82	0.423816989	5.085587081	1245.8022
53.2	0.019798002	0.118201993	0.134607828	0.1	0.82	0.423853129	5.086020703	1250.88822
53.4	0.019873271	0.118651376	0.134619308	0.1	0.82	0.423889278	5.08645444	1255.974675
53.6	0.019948546	0.119100797	0.134630792	0.1	0.82	0.423925437	5.086888293	1261.061563
53.8	0.020023827	0.119550256	0.134642278	0.1	0.82	0.423961606	5.087322262	1266.148885
54	0.020099115	0.119999754	0.134653768	0.1	0.82	0.423997785	5.087756347	1271.236642
54.2	0.020174409	0.120449291	0.134665261	0.1	0.82	0.424033973	5.088190547	1276.324832
54.4	0.02024971	0.120898866	0.134676757	0.1	0.82	0.424070171	5.088624864	1281.413457
54.6	0.020325017	0.121348479	0.134688255	0.1	0.82	0.424106378	5.089059296	1286.502517
54.8	0.02040033	0.121798131	0.134699757	0.1	0.82	0.424142596	5.089493845	1291.59201
55	0.02047565	0.122247822	0.134711262	0.1	0.82	0.424178823	5.089928509	1296.681939
55.2	0.020550977	0.122697551	0.13472277	0.1	0.82	0.424215059	5.09036329	1301.772302
55.4	0.02062631	0.123147319	0.134734281	0.1	0.82	0.424251305	5.090798187	1306.8631
55.6	0.020701649	0.123597125	0.134745796	0.1	0.82	0.424287561	5.0912332	1311.954334
55.8	0.020776995	0.124046969	0.134757313	0.1	0.82	0.424323827	5.091668329	1317.046002
56	0.020852347	0.124496853	0.134768833	0.1	0.82	0.424360102	5.092103575	1322.138105
56.2	0.020927706	0.124946775	0.134780357	0.1	0.82	0.424396387	5.092538937	1327.230644

56.4	0.021003071	0.125396735	0.134791883	0.1	0.82	0.424432682	5.092974415	1332.323619
56.6	0.021078443	0.125846734	0.134803413	0.1	0.82	0.424468986	5.09341001	1337.417029
56.8	0.021153821	0.126296772	0.134814946	0.1	0.82	0.424505301	5.093845722	1342.510875
57	0.021229205	0.126746848	0.134826481	0.1	0.82	0.424541624	5.09428155	1347.605156
57.2	0.021304597	0.127196963	0.13483802	0.1	0.82	0.424577958	5.094717495	1352.699874
57.4	0.021379994	0.127647117	0.134849562	0.1	0.82	0.424614301	5.095153556	1357.795027
57.6	0.021455398	0.128097309	0.134861107	0.1	0.82	0.424650654	5.095589734	1362.890617
57.8	0.021530809	0.12854754	0.134872655	0.1	0.82	0.424687017	5.096026029	1367.986643
58	0.021606226	0.12899781	0.134884207	0.1	0.82	0.42472339	5.096462441	1373.083105
58.2	0.021681649	0.129448118	0.134895761	0.1	0.82	0.424759772	5.09689897	1378.180004
58.4	0.021757079	0.129898465	0.134907318	0.1	0.82	0.424796164	5.097335616	1383.27734
58.6	0.021832516	0.130348851	0.134918879	0.1	0.82	0.424832566	5.097772379	1388.375112
58.8	0.021907958	0.130799275	0.134930442	0.1	0.82	0.424868977	5.098209259	1393.473322
59	0.021983408	0.131249739	0.134942009	0.1	0.82	0.424905399	5.098646256	1398.571968
59.2	0.022058864	0.131700241	0.134953579	0.1	0.82	0.42494183	5.09908337	1403.671051
59.4	0.022134326	0.132150781	0.134965152	0.1	0.82	0.424978271	5.099520601	1408.770572
59.6	0.022209795	0.132601361	0.134976728	0.1	0.82	0.425014721	5.09995795	1413.87053
59.8	0.02228527	0.133051979	0.134988307	0.1	0.82	0.425051182	5.100395416	1418.970925
60	0.022360752	0.133502636	0.134999889	0.1	0.82	0.425087652	5.100832999	1424.071758
60.2	0.022436241	0.133953332	0.135011475	0.1	0.82	0.425124132	5.1012707	1429.173029
60.4	0.022511736	0.134404066	0.135023063	0.1	0.82	0.425160621	5.101708518	1434.274737
60.6	0.022587237	0.13485484	0.135034655	0.1	0.82	0.425197121	5.102146454	1439.376884
60.8	0.022662745	0.135305652	0.135046249	0.1	0.82	0.42523363	5.102584508	1444.479468
61	0.022738259	0.135756503	0.135057847	0.1	0.82	0.425270149	5.103022679	1449.582491
61.2	0.02281378	0.136207393	0.135069448	0.1	0.82	0.425306678	5.103460968	1454.685952
61.4	0.022889308	0.136658322	0.135081052	0.1	0.82	0.425343217	5.103899374	1459.789851
61.6	0.022964841	0.13710929	0.135092659	0.1	0.82	0.425379766	5.104337899	1464.894189
61.8	0.023040382	0.137560296	0.13510427	0.1	0.82	0.425416324	5.104776541	1469.998966
62	0.023115929	0.138011342	0.135115883	0.1	0.82	0.425452893	5.105215301	1475.104181
62.2	0.023191482	0.138462426	0.1351275	0.1	0.82	0.425489471	5.105654179	1480.209835
62.4	0.023267042	0.138913549	0.135139119	0.1	0.82	0.425526059	5.106093176	1485.315928
62.6	0.023342609	0.139364711	0.135150742	0.1	0.82	0.425562656	5.10653229	1490.422461
62.8	0.023418182	0.139815912	0.135162368	0.1	0.82	0.425599264	5.106971522	1495.529432
63	0.023493761	0.140267152	0.135173997	0.1	0.82	0.425635881	5.107410873	1500.636843
63.2	0.023569347	0.140718431	0.135185629	0.1	0.82	0.425672509	5.107850342	1505.744693
63.4	0.02364494	0.141169749	0.135197264	0.1	0.82	0.425709146	5.108289929	1510.852983
63.6	0.023720539	0.141621106	0.135208903	0.1	0.82	0.425745793	5.108729634	1515.961713

63.8	0.023796145	0.142072502	0.135220544	0.1	0.82	0.42578245	5.109169458	1521.070883
64	0.023871757	0.142523937	0.135232189	0.1	0.82	0.425819117	5.109609401	1526.180492
64.2	0.023947376	0.142975411	0.135243837	0.1	0.82	0.425855793	5.110049461	1531.290541
64.4	0.024023001	0.143426924	0.135255488	0.1	0.82	0.42589248	5.110489641	1536.401031
64.6	0.024098633	0.143878476	0.135267142	0.1	0.82	0.425929176	5.110929939	1541.511961
64.8	0.024174271	0.144330067	0.135278799	0.1	0.82	0.425965883	5.111370355	1546.623331
65	0.024249916	0.144781697	0.13529046	0.1	0.82	0.426002599	5.111810891	1551.735142
65.2	0.024325567	0.145233366	0.135302123	0.1	0.82	0.426039325	5.112251545	1556.847394
65.4	0.024401225	0.145685074	0.13531379	0.1	0.82	0.426076061	5.112692318	1561.960086
65.6	0.02447689	0.146136821	0.13532546	0.1	0.82	0.426112807	5.11313321	1567.073219
65.8	0.024552561	0.146588608	0.135337133	0.1	0.82	0.426149563	5.113574221	1572.186793
66	0.024628238	0.147040433	0.135348809	0.1	0.82	0.426186329	5.11401535	1577.300809
66.2	0.024703922	0.147492297	0.135360488	0.1	0.82	0.426223104	5.114456599	1582.415265
66.4	0.024779613	0.147944201	0.13537217	0.1	0.82	0.42625989	5.114897967	1587.530163
66.6	0.02485531	0.148396144	0.135383856	0.1	0.82	0.426296686	5.115339454	1592.645503
66.8	0.024931014	0.148848126	0.135395545	0.1	0.82	0.426333491	5.115781061	1597.761284
67	0.025006724	0.149300147	0.135407237	0.1	0.82	0.426370307	5.116222786	1602.877507
67.2	0.025082441	0.149752207	0.135418932	0.1	0.82	0.426407132	5.116664631	1607.994171
67.4	0.025158165	0.150204307	0.13543063	0.1	0.82	0.426443967	5.117106595	1613.111278
67.6	0.025233895	0.150656445	0.135442331	0.1	0.82	0.426480813	5.117548679	1618.228827
67.8	0.025309631	0.151108623	0.135454036	0.1	0.82	0.426517668	5.117990882	1623.346817
68	0.025385374	0.15156084	0.135465743	0.1	0.82	0.426554533	5.118433205	1628.465251
68.2	0.025461124	0.152013096	0.135477454	0.1	0.82	0.426591408	5.118875647	1633.584126
68.4	0.025536881	0.152465392	0.135489168	0.1	0.82	0.426628293	5.119318209	1638.703445
68.6	0.025612643	0.152917726	0.135500886	0.1	0.82	0.426665188	5.119760891	1643.823205
68.8	0.025688413	0.1533701	0.135512606	0.1	0.82	0.426702094	5.120203692	1648.943409
69	0.025764189	0.153822513	0.135524329	0.1	0.82	0.426739009	5.120646613	1654.064056
69.2	0.025839971	0.154274966	0.135536056	0.1	0.82	0.426775934	5.121089654	1659.185145
69.4	0.025915761	0.154727457	0.135547786	0.1	0.82	0.426812869	5.121532815	1664.306678
69.6	0.025991556	0.155179989	0.135559519	0.1	0.82	0.426849814	5.121976096	1669.428654
69.8	0.026067359	0.155632559	0.135571255	0.1	0.82	0.426886769	5.122419497	1674.551074
70	0.026143168	0.156085168	0.135582995	0.1	0.82	0.426923734	5.122863018	1679.673937
70.2	0.026218983	0.156537817	0.135594737	0.1	0.82	0.426960709	5.123306659	1684.797243
70.4	0.026294805	0.156990506	0.135606483	0.1	0.82	0.426997694	5.12375042	1689.920994
70.6	0.026370634	0.157443233	0.135618232	0.1	0.82	0.427034689	5.124194302	1695.045188
70.8	0.026446469	0.157896	0.135629984	0.1	0.82	0.427071695	5.124638304	1700.169827
71	0.026522311	0.158348807	0.13564174	0.1	0.82	0.42710871	5.125082426	1705.294909

71.2	0.02659816	0.158801652	0.135653498	0.1	0.82	0.427145735	5.125526668	1710.420436
71.4	0.026674015	0.159254538	0.13566526	0.1	0.82	0.42718277	5.125971032	1715.546407
71.6	0.026749876	0.159707462	0.135677025	0.1	0.82	0.427219816	5.126415515	1720.672822
71.8	0.026825745	0.160160426	0.135688793	0.1	0.82	0.427256871	5.126860119	1725.799682
72	0.02690162	0.160613429	0.135700564	0.1	0.82	0.427293936	5.127304844	1730.926987
72.2	0.026977501	0.161066472	0.135712339	0.1	0.82	0.427331012	5.127749689	1736.054737
72.4	0.027053389	0.161519554	0.135724116	0.1	0.82	0.427368097	5.128194656	1741.182931
72.6	0.027129284	0.161972676	0.135735897	0.1	0.82	0.427405193	5.128639743	1746.311571
72.8	0.027205185	0.162425837	0.135747681	0.1	0.82	0.427442299	5.12908495	1751.440656
73	0.027281093	0.162879038	0.135759469	0.1	0.82	0.427479414	5.129530279	1756.570186
73.2	0.027357008	0.163332278	0.135771259	0.1	0.82	0.42751654	5.129975729	1761.700162
73.4	0.027432929	0.163785557	0.135783053	0.1	0.82	0.427553676	5.130421299	1766.830583
73.6	0.027508856	0.164238876	0.13579485	0.1	0.82	0.427590822	5.130866991	1771.96145
73.8	0.027584791	0.164692235	0.13580665	0.1	0.82	0.427627978	5.131312804	1777.092763
74	0.027660732	0.165145633	0.135818453	0.1	0.82	0.427665145	5.131758738	1782.224522
74.2	0.027736679	0.165599071	0.135830259	0.1	0.82	0.427702321	5.132204793	1787.356727
74.4	0.027812634	0.166052548	0.135842069	0.1	0.82	0.427739507	5.13265097	1792.489378
74.6	0.027888595	0.166506065	0.135853882	0.1	0.82	0.427776704	5.133097268	1797.622475
74.8	0.027964562	0.166959621	0.135865698	0.1	0.82	0.427813911	5.133543687	1802.756019
75	0.028040536	0.167413217	0.135877518	0.1	0.82	0.427851127	5.133990228	1807.890009
75.2	0.028116517	0.167866852	0.13588934	0.1	0.82	0.427888354	5.13443689	1813.024446
75.4	0.028192504	0.168320528	0.135901166	0.1	0.82	0.427925591	5.134883674	1818.15933
75.6	0.028268498	0.168774242	0.135912995	0.1	0.82	0.427962839	5.135330579	1823.29466
75.8	0.028344499	0.169227997	0.135924827	0.1	0.82	0.428000096	5.135777606	1828.430438
76	0.028420506	0.169681791	0.135936663	0.1	0.82	0.428037363	5.136224755	1833.566662
76.2	0.02849652	0.170135624	0.135948501	0.1	0.82	0.428074641	5.136672026	1838.703334
76.4	0.028572541	0.170589498	0.135960343	0.1	0.82	0.428111929	5.137119418	1843.840454
76.6	0.028648568	0.17104341	0.135972188	0.1	0.82	0.428149227	5.137566933	1848.978021
76.8	0.028724602	0.171497363	0.135984037	0.1	0.82	0.428186535	5.138014569	1854.116035
77	0.028800642	0.171951355	0.135995888	0.1	0.82	0.428223853	5.138462327	1859.254498
77.2	0.02887669	0.172405387	0.136007743	0.1	0.82	0.428261182	5.138910208	1864.393408
77.4	0.028952743	0.172859459	0.136019601	0.1	0.82	0.42829852	5.13935821	1869.532766
77.6	0.029028804	0.173313571	0.136031462	0.1	0.82	0.428335869	5.139806335	1874.672572
77.8	0.029104871	0.173767722	0.136043327	0.1	0.82	0.428373228	5.140254582	1879.812827
78	0.029180945	0.174221913	0.136055195	0.1	0.82	0.428410597	5.140702951	1884.95353
78.2	0.029257025	0.174676143	0.136067066	0.1	0.82	0.428447977	5.141151443	1890.094681
78.4	0.029333112	0.175130414	0.13607894	0.1	0.82	0.428485366	5.141600057	1895.236282

78.6	0.029409206	0.175584724	0.136090817	0.1	0.82	0.428522766	5.142048793	1900.37833
78.8	0.029485307	0.176039074	0.136102698	0.1	0.82	0.428560176	5.142497652	1905.520828
79	0.029561414	0.176493464	0.136114582	0.1	0.82	0.428597596	5.142946634	1910.663775
79.2	0.029637527	0.176947893	0.136126469	0.1	0.82	0.428635027	5.143395738	1915.80717
79.4	0.029713648	0.177402363	0.13613836	0.1	0.82	0.428672467	5.143844964	1920.951015
79.6	0.029789775	0.177856872	0.136150254	0.1	0.82	0.428709918	5.144294314	1926.09531
79.8	0.029865909	0.178311421	0.13616215	0.1	0.82	0.428747379	5.144743786	1931.240053
80	0.029942049	0.17876601	0.136174051	0.1	0.82	0.428784851	5.145193382	1936.385247
80.2	0.030018196	0.179220639	0.136185954	0.1	0.82	0.428822332	5.1456431	1941.53089
80.4	0.03009435	0.179675308	0.136197861	0.1	0.82	0.428859824	5.146092941	1946.676983
80.6	0.030170511	0.180130016	0.136209771	0.1	0.82	0.428897326	5.146542905	1951.823526
80.8	0.030246678	0.180584765	0.136221684	0.1	0.82	0.428934839	5.146992992	1956.970519
81	0.030322852	0.181039553	0.136233601	0.1	0.82	0.428972362	5.147443202	1962.117962
81.2	0.030399032	0.181494381	0.13624552	0.1	0.82	0.429009894	5.147893536	1967.265855
81.4	0.030475219	0.18194925	0.136257443	0.1	0.82	0.429047438	5.148343993	1972.414199
81.6	0.030551413	0.182404158	0.13626937	0.1	0.82	0.429084991	5.148794573	1977.562994
81.8	0.030627614	0.182859106	0.136281299	0.1	0.82	0.429122555	5.149245276	1982.712239
82	0.030703821	0.183314094	0.136293232	0.1	0.82	0.429160129	5.149696103	1987.861935
82.2	0.030780035	0.183769122	0.136305168	0.1	0.82	0.429197713	5.150147053	1993.012082
82.4	0.030856256	0.18422419	0.136317107	0.1	0.82	0.429235308	5.150598127	1998.162681
82.6	0.030932483	0.184679298	0.13632905	0.1	0.82	0.429272913	5.151049325	2003.31373
82.8	0.031008717	0.185134446	0.136340996	0.1	0.82	0.429310528	5.151500646	2008.465231
83	0.031084958	0.185589634	0.136352945	0.1	0.82	0.429348154	5.15195209	2013.617183
83.2	0.031161206	0.186044862	0.136364898	0.1	0.82	0.42938579	5.152403659	2018.769586
83.4	0.03123746	0.18650013	0.136376853	0.1	0.82	0.429423436	5.152855351	2023.922442
83.6	0.031313721	0.186955439	0.136388812	0.1	0.82	0.429461092	5.153307167	2029.075749
83.8	0.031389988	0.187410787	0.136400775	0.1	0.82	0.429498759	5.153759108	2034.229508
84	0.031466263	0.187866175	0.13641274	0.1	0.82	0.429536436	5.154211172	2039.383719
84.2	0.031542544	0.188321603	0.136424709	0.1	0.82	0.429574124	5.15466336	2044.538382
84.4	0.031618832	0.188777072	0.136436681	0.1	0.82	0.429611822	5.155115672	2049.693498
84.6	0.031695126	0.189232581	0.136448657	0.1	0.82	0.42964953	5.155568109	2054.849066
84.8	0.031771427	0.189688129	0.136460635	0.1	0.82	0.429687248	5.156020669	2060.005087
85	0.031847735	0.190143718	0.136472617	0.1	0.82	0.429724977	5.156473354	2065.16156
85.2	0.03192405	0.190599347	0.136484603	0.1	0.82	0.429762717	5.156926164	2070.318486
85.4	0.032000371	0.191055016	0.136496591	0.1	0.82	0.429800466	5.157379097	2075.475866
85.6	0.032076699	0.191510725	0.136508583	0.1	0.82	0.429838226	5.157832155	2080.633698
85.8	0.032153034	0.191966475	0.136520578	0.1	0.82	0.429875997	5.158285338	2085.791983

86	0.032229376	0.192422264	0.136532577	0.1	0.82	0.429913777	5.158738645	2090.950722
86.2	0.032305724	0.192878094	0.136544578	0.1	0.82	0.429951569	5.159192077	2096.109914
86.4	0.032382079	0.193333964	0.136556584	0.1	0.82	0.42998937	5.159645633	2101.269559
86.6	0.032458441	0.193789875	0.136568592	0.1	0.82	0.430027182	5.160099315	2106.429659
86.8	0.032534809	0.194245825	0.136580604	0.1	0.82	0.430065005	5.160553121	2111.590212
87	0.032611184	0.194701816	0.136592619	0.1	0.82	0.430102837	5.161007051	2116.751219
87.2	0.032687566	0.195157847	0.136604637	0.1	0.82	0.430140681	5.161461107	2121.91268
87.4	0.032763955	0.195613918	0.136616658	0.1	0.82	0.430178534	5.161915288	2127.074595
87.6	0.032840351	0.196070029	0.136628683	0.1	0.82	0.430216398	5.162369594	2132.236965
87.8	0.032916753	0.196526181	0.136640712	0.1	0.82	0.430254273	5.162824024	2137.399789
88	0.032993162	0.196982373	0.136652743	0.1	0.82	0.430292157	5.16327858	2142.563067
88.2	0.033069578	0.197438606	0.136664778	0.1	0.82	0.430330053	5.163733261	2147.726801
88.4	0.033146	0.197894878	0.136676816	0.1	0.82	0.430367959	5.164188068	2152.890989
88.6	0.033222429	0.198351191	0.136688858	0.1	0.82	0.430405875	5.164643	2158.055632
88.8	0.033298865	0.198807545	0.136700902	0.1	0.82	0.430443801	5.165098057	2163.22073
89	0.033375308	0.199263938	0.13671295	0.1	0.82	0.430481738	5.165553239	2168.386283
89.2	0.033451757	0.199720372	0.136725002	0.1	0.82	0.430519686	5.166008547	2173.552292
89.4	0.033528214	0.200176847	0.136737057	0.1	0.82	0.430557644	5.166463981	2178.718756
89.6	0.033604677	0.200633362	0.136749115	0.1	0.82	0.430595613	5.16691954	2183.885675
89.8	0.033681146	0.201089917	0.136761176	0.1	0.82	0.430633592	5.167375225	2189.05305
90	0.033757623	0.201546512	0.136773241	0.1	0.82	0.430671581	5.167831035	2194.220881
90.2	0.033834106	0.202003148	0.136785309	0.1	0.82	0.430709581	5.168286971	2199.389168
90.4	0.033910596	0.202459825	0.13679738	0.1	0.82	0.430747591	5.168743034	2204.557911
90.6	0.033987093	0.202916542	0.136809455	0.1	0.82	0.430785612	5.169199222	2209.727111
90.8	0.034063597	0.203373299	0.136821533	0.1	0.82	0.430823644	5.169655536	2214.896766
91	0.034140107	0.203830097	0.136833615	0.1	0.82	0.430861686	5.170111976	2220.066878
91.2	0.034216625	0.204286935	0.136845699	0.1	0.82	0.430899738	5.170568542	2225.237447
91.4	0.034293149	0.204743814	0.136857787	0.1	0.82	0.430937801	5.171025234	2230.408472
91.6	0.034369679	0.205200733	0.136869879	0.1	0.82	0.430975874	5.171482052	2235.579954
91.8	0.034446217	0.205657693	0.136881974	0.1	0.82	0.431013958	5.171938997	2240.751893
92	0.034522761	0.206114693	0.136894072	0.1	0.82	0.431052053	5.172396068	2245.924289
92.2	0.034599312	0.206571734	0.136906173	0.1	0.82	0.431090158	5.172853265	2251.097142
92.4	0.03467587	0.207028815	0.136918278	0.1	0.82	0.431128274	5.173310589	2256.270453
92.6	0.034752435	0.207485937	0.136930386	0.1	0.82	0.4311664	5.173768039	2261.444221
92.8	0.034829006	0.2079431	0.136942498	0.1	0.82	0.431204536	5.174225616	2266.618447
93	0.034905585	0.208400303	0.136954612	0.1	0.82	0.431242684	5.174683319	2271.79313
93.2	0.03498217	0.208857546	0.136966731	0.1	0.82	0.431280841	5.175141149	2276.968271

93.4	0.035058762	0.20931483	0.136978852	0.1	0.82	0.43131901	5.175599106	2282.14387
93.6	0.03513536	0.209772155	0.136990977	0.1	0.82	0.431357189	5.176057189	2287.319927
93.8	0.035211966	0.210229521	0.137003105	0.1	0.82	0.431395378	5.176515399	2292.496443
94	0.035288578	0.210686927	0.137015237	0.1	0.82	0.431433578	5.176973736	2297.673416
94.2	0.035365197	0.211144373	0.137027372	0.1	0.82	0.431471789	5.177432201	2302.850849
94.4	0.035441823	0.211601861	0.13703951	0.1	0.82	0.43151001	5.177890792	2308.028739
94.6	0.035518456	0.212059389	0.137051652	0.1	0.82	0.431548242	5.17834951	2313.207089
94.8	0.035595095	0.212516957	0.137063797	0.1	0.82	0.431586484	5.178808355	2318.385897
95	0.035671742	0.212974567	0.137075945	0.1	0.82	0.431624737	5.179267328	2323.565165
95.2	0.035748395	0.213432217	0.137088097	0.1	0.82	0.431663001	5.179726428	2328.744891
95.4	0.035825055	0.213889908	0.137100252	0.1	0.82	0.431701275	5.180185655	2333.925077
95.6	0.035901722	0.214347639	0.137112411	0.1	0.82	0.43173956	5.180645009	2339.105722
95.8	0.035978395	0.214805411	0.137124573	0.1	0.82	0.431777855	5.181104491	2344.286826
96	0.036055076	0.215263224	0.137136738	0.1	0.82	0.431816161	5.1815641	2349.46839
96.2	0.036131763	0.215721078	0.137148907	0.1	0.82	0.431854478	5.182023837	2354.650414
96.4	0.036208457	0.216178973	0.137161079	0.1	0.82	0.431892805	5.182483702	2359.832898
96.6	0.036285158	0.216636908	0.137173254	0.1	0.82	0.431931143	5.182943694	2365.015842
96.8	0.036361866	0.217094884	0.137185433	0.1	0.82	0.431969492	5.183403814	2370.199245
97	0.03643858	0.217552901	0.137197615	0.1	0.82	0.432007851	5.183864062	2375.383109
97.2	0.036515302	0.218010958	0.137209801	0.1	0.82	0.432046221	5.184324437	2380.567434
97.4	0.03659203	0.218469057	0.13722199	0.1	0.82	0.432084602	5.18478494	2385.752219
97.6	0.036668765	0.218927196	0.137234182	0.1	0.82	0.432122993	5.185245572	2390.937464
97.8	0.036745507	0.219385376	0.137246378	0.1	0.82	0.432161395	5.185706331	2396.123171
98	0.036822256	0.219843597	0.137258577	0.1	0.82	0.432199808	5.186167219	2401.309338
98.2	0.036899012	0.220301859	0.13727078	0.1	0.82	0.432238231	5.186628234	2406.495966
98.4	0.036975774	0.220760162	0.137282986	0.1	0.82	0.432276665	5.187089378	2411.683056
98.6	0.037052544	0.221218506	0.137295195	0.1	0.82	0.43231511	5.18755065	2416.870606
98.8	0.03712932	0.22167689	0.137307408	0.1	0.82	0.432353565	5.188012051	2422.058618
99	0.037206103	0.222135316	0.137319624	0.1	0.82	0.432392031	5.188473579	2427.247092
99.2	0.037282893	0.222593782	0.137331843	0.1	0.82	0.432430508	5.188935237	2432.436027
99.4	0.037359689	0.22305229	0.137344066	0.1	0.82	0.432468996	5.189397022	2437.625424
99.6	0.037436493	0.223510838	0.137356292	0.1	0.82	0.432507494	5.189858937	2442.815283
99.8	0.037513303	0.223969427	0.137368522	0.1	0.82	0.432546003	5.190320979	2448.005604
100	0.037590121	0.224428057	0.137380755	0.1	0.82	0.432584522	5.190783151	2453.196387
100.2	0.037666945	0.224886729	0.137392992	0.1	0.82	0.432623053	5.191245451	2458.387633
100.4	0.037743776	0.225345441	0.137405232	0.1	0.82	0.432661594	5.19170788	2463.57934
100.6	0.037820614	0.225804194	0.137417475	0.1	0.82	0.432700146	5.192170438	2468.771511

100.8	0.037897459	0.226262988	0.137429722	0.1	0.82	0.432738708	5.192633125	2473.964144
101	0.037974311	0.226721823	0.137441972	0.1	0.82	0.432777282	5.193095941	2479.15724
101.2	0.038051169	0.2271807	0.137454226	0.1	0.82	0.432815866	5.193558886	2484.350799
101.4	0.038128034	0.227639617	0.137466483	0.1	0.82	0.432854461	5.19402196	2489.544821
101.6	0.038204907	0.228098575	0.137478743	0.1	0.82	0.432893066	5.194485163	2494.739306
101.8	0.038281786	0.228557575	0.137491007	0.1	0.82	0.432931683	5.194948496	2499.934254
102	0.038358672	0.229016615	0.137503274	0.1	0.82	0.43297031	5.195411957	2505.129666
102.2	0.038435565	0.229475697	0.137515545	0.1	0.82	0.433008948	5.195875548	2510.325542
102.4	0.038512465	0.22993482	0.137527819	0.1	0.82	0.433047597	5.196339269	2515.521881
102.6	0.038589372	0.230393984	0.137540097	0.1	0.82	0.433086256	5.196803119	2520.718684
102.8	0.038666285	0.230853189	0.137552378	0.1	0.82	0.433124927	5.197267098	2525.915951
103	0.038743206	0.231312435	0.137564662	0.1	0.82	0.433163608	5.197731207	2531.113683
103.2	0.038820133	0.231771722	0.13757695	0.1	0.82	0.4332023	5.198195446	2536.311878
103.4	0.038897067	0.232231051	0.137589241	0.1	0.82	0.433241003	5.198659814	2541.510538
103.6	0.038974009	0.23269042	0.137601536	0.1	0.82	0.433279716	5.199124313	2546.709662
103.8	0.039050957	0.233149831	0.137613834	0.1	0.82	0.433318441	5.199588941	2551.909251
104	0.039127912	0.233609283	0.137626136	0.1	0.82	0.433357176	5.200053698	2557.109305
104.2	0.039204873	0.234068777	0.137638441	0.1	0.82	0.433395922	5.200518586	2562.309823
104.4	0.039281842	0.234528311	0.137650749	0.1	0.82	0.433434679	5.200983604	2567.510807
104.6	0.039358818	0.234987887	0.137663061	0.1	0.82	0.433473447	5.201448752	2572.712256
104.8	0.039435801	0.235447504	0.137675376	0.1	0.82	0.433512225	5.20191403	2577.91417
105	0.03951279	0.235907162	0.137687695	0.1	0.82	0.433551015	5.202379438	2583.116549
105.2	0.039589787	0.236366861	0.137700017	0.1	0.82	0.433589815	5.202844977	2588.319394
105.4	0.03966679	0.236826602	0.137712343	0.1	0.82	0.433628626	5.203310646	2593.522705
105.6	0.0397438	0.237286384	0.137724672	0.1	0.82	0.433667448	5.203776445	2598.726481
105.8	0.039820817	0.237746208	0.137737005	0.1	0.82	0.433706281	5.204242375	2603.930724
106	0.039897841	0.238206072	0.137749341	0.1	0.82	0.433745125	5.204708435	2609.135432
106.2	0.039974872	0.238665978	0.13776168	0.1	0.82	0.433783979	5.205174625	2614.340607
106.4	0.04005191	0.239125926	0.137774023	0.1	0.82	0.433822845	5.205640947	2619.546248
106.6	0.040128955	0.239585914	0.13778637	0.1	0.82	0.433861721	5.206107399	2624.752355
106.8	0.040206007	0.240045944	0.13779872	0.1	0.82	0.433900609	5.206573982	2629.958929
107	0.040283066	0.240506016	0.137811073	0.1	0.82	0.433939507	5.207040695	2635.16597
107.2	0.040360131	0.240966129	0.13782343	0.1	0.82	0.433978416	5.20750754	2640.373477
107.4	0.040437204	0.241426283	0.13783579	0.1	0.82	0.434017336	5.207974515	2645.581452
107.6	0.040514284	0.241886479	0.137848154	0.1	0.82	0.434056267	5.208441622	2650.789893
107.8	0.04059137	0.242346716	0.137860521	0.1	0.82	0.434095209	5.208908859	2655.998802
108	0.040668463	0.242806994	0.137872892	0.1	0.82	0.434134162	5.209376228	2661.208179

108.2	0.040745564	0.243267314	0.137885266	0.1	0.82	0.434173126	5.209843728	2666.418022
108.4	0.040822671	0.243727675	0.137897644	0.1	0.82	0.434212101	5.210311359	2671.628334
108.6	0.040899785	0.244188078	0.137910025	0.1	0.82	0.434251086	5.210779121	2676.839113
108.8	0.040976907	0.244648523	0.137922409	0.1	0.82	0.434290083	5.211247015	2682.05036
109	0.041054035	0.245109009	0.137934798	0.1	0.82	0.43432909	5.21171504	2687.262075
109.2	0.04113117	0.245569536	0.137947189	0.1	0.82	0.434368109	5.212183196	2692.474258
109.4	0.041208312	0.246030105	0.137959584	0.1	0.82	0.434407138	5.212651485	2697.68691
109.6	0.041285461	0.246490715	0.137971983	0.1	0.82	0.434446179	5.213119904	2702.900029
109.8	0.041362617	0.246951367	0.137984385	0.1	0.82	0.43448523	5.213588456	2708.113618
110	0.04143978	0.24741206	0.13799679	0.1	0.82	0.434524293	5.214057139	2713.327675
110.2	0.04151695	0.247872795	0.138009199	0.1	0.82	0.434563366	5.214525954	2718.542201
110.4	0.041594126	0.248333572	0.138021612	0.1	0.82	0.434602451	5.214994901	2723.757196
110.6	0.04167131	0.24879439	0.138034028	0.1	0.82	0.434641546	5.21546398	2728.97266
110.8	0.041748501	0.24925525	0.138046447	0.1	0.82	0.434680652	5.215933191	2734.188593
111	0.041825699	0.249716151	0.13805887	0.1	0.82	0.43471977	5.216402533	2739.404996
111.2	0.041902903	0.250177094	0.138071296	0.1	0.82	0.434758898	5.216872008	2744.621868
111.4	0.041980115	0.250638079	0.138083726	0.1	0.82	0.434798038	5.217341616	2749.839209
111.6	0.042057334	0.251099105	0.13809616	0.1	0.82	0.434837188	5.217811355	2755.057021
111.8	0.042134559	0.251560173	0.138108597	0.1	0.82	0.43487635	5.218281227	2760.275302
112	0.042211792	0.252021283	0.138121037	0.1	0.82	0.434915522	5.218751231	2765.494053
112.2	0.042289032	0.252482434	0.138133481	0.1	0.82	0.434954706	5.219221367	2770.713274
112.4	0.042366278	0.252943627	0.138145929	0.1	0.82	0.4349939	5.219691636	2775.932966
112.6	0.042443532	0.253404862	0.13815838	0.1	0.82	0.435033106	5.220162038	2781.153128
112.8	0.042520792	0.253866138	0.138170834	0.1	0.82	0.435072323	5.220632572	2786.373761
113	0.04259806	0.254327456	0.138183292	0.1	0.82	0.43511155	5.221103239	2791.594864
113.2	0.042675334	0.254788816	0.138195754	0.1	0.82	0.435150789	5.221574038	2796.816438
113.4	0.042752616	0.255250218	0.138208219	0.1	0.82	0.435190039	5.222044971	2802.038483
113.6	0.042829904	0.255711661	0.138220687	0.1	0.82	0.4352293	5.222516036	2807.260999
113.8	0.0429072	0.256173146	0.138233159	0.1	0.82	0.435268572	5.222987234	2812.483986
114	0.042984502	0.256634673	0.138245635	0.1	0.82	0.435307855	5.223458565	2817.707445
114.2	0.043061812	0.257096242	0.138258114	0.1	0.82	0.43534715	5.223930029	2822.931375
114.4	0.043139128	0.257557853	0.138270597	0.1	0.82	0.435386455	5.224401627	2828.155776
114.6	0.043216452	0.258019505	0.138283083	0.1	0.82	0.435425771	5.224873357	2833.38065
114.8	0.043293783	0.258481199	0.138295573	0.1	0.82	0.435465099	5.225345221	2838.605995
115	0.04337112	0.258942935	0.138308066	0.1	0.82	0.435504437	5.225817218	2843.831812
115.2	0.043448465	0.259404713	0.138320563	0.1	0.82	0.435543787	5.226289349	2849.058102
115.4	0.043525816	0.259866533	0.138333063	0.1	0.82	0.435583148	5.226761612	2854.284863

115.6	0.043603175	0.260328394	0.138345567	0.1	0.82	0.43562252	5.22723401	2859.512097
115.8	0.04368054	0.260790298	0.138358074	0.1	0.82	0.435661903	5.227706541	2864.739804
116	0.043757913	0.261252243	0.138370585	0.1	0.82	0.435701298	5.228179205	2869.967983
116.2	0.043835293	0.261714231	0.138383099	0.1	0.82	0.435740703	5.228652004	2875.196635
116.4	0.043912679	0.26217626	0.138395617	0.1	0.82	0.43578012	5.229124936	2880.42576
116.6	0.043990073	0.262638331	0.138408139	0.1	0.82	0.435819547	5.229598002	2885.655358
116.8	0.044067474	0.263100444	0.138420664	0.1	0.82	0.435858986	5.230071201	2890.885429
117	0.044144881	0.2635626	0.138433192	0.1	0.82	0.435898436	5.230544535	2896.115974
117.2	0.044222296	0.264024797	0.138445725	0.1	0.82	0.435937897	5.231018003	2901.346992
117.4	0.044299718	0.264487036	0.13845826	0.1	0.82	0.43597737	5.231491604	2906.578483
117.6	0.044377147	0.264949317	0.1384708	0.1	0.82	0.436016853	5.23196534	2911.810448
117.8	0.044454583	0.26541164	0.138483342	0.1	0.82	0.436056348	5.23243921	2917.042888
118	0.044532026	0.265874005	0.138495889	0.1	0.82	0.436095854	5.232913215	2922.275801
118.2	0.044609475	0.266336412	0.138508439	0.1	0.82	0.436135371	5.233387353	2927.509188
118.4	0.044686932	0.266798862	0.138520992	0.1	0.82	0.4361749	5.233861626	2932.74305
118.6	0.044764396	0.267261353	0.138533549	0.1	0.82	0.436214439	5.234336034	2937.977386
118.8	0.044841868	0.267723886	0.13854611	0.1	0.82	0.43625399	5.234810576	2943.212197
119	0.044919346	0.268186462	0.138558674	0.1	0.82	0.436293552	5.235285253	2948.447482
119.2	0.044996831	0.268649079	0.138571242	0.1	0.82	0.436333125	5.235760064	2953.683242
119.4	0.045074323	0.269111739	0.138583813	0.1	0.82	0.43637271	5.23623501	2958.919477
119.6	0.045151822	0.26957444	0.138596388	0.1	0.82	0.436412305	5.236710091	2964.156187
119.8	0.045229329	0.270037184	0.138608966	0.1	0.82	0.436451912	5.237185306	2969.393372
120	0.045306842	0.27049997	0.138621548	0.1	0.82	0.43649153	5.237660657	2974.631033
120.2	0.045384363	0.270962799	0.138634134	0.1	0.82	0.43653116	5.238136142	2979.869169
120.4	0.04546189	0.271425669	0.138646723	0.1	0.82	0.436570801	5.238611763	2985.107781
120.6	0.045539425	0.271888581	0.138659315	0.1	0.82	0.436610452	5.239087518	2990.346868
120.8	0.045616966	0.272351536	0.138671912	0.1	0.82	0.436650116	5.239563409	2995.586432
121	0.045694515	0.272814533	0.138684512	0.1	0.82	0.43668979	5.240039435	3000.826471
121.2	0.045772071	0.273277572	0.138697115	0.1	0.82	0.436729476	5.240515596	3006.066987
121.4	0.045849634	0.273740653	0.138709722	0.1	0.82	0.436769173	5.240991893	3011.307979
121.6	0.045927204	0.274203777	0.138722333	0.1	0.82	0.436808881	5.241468325	3016.549447
121.8	0.046004781	0.274666943	0.138734947	0.1	0.82	0.436848601	5.241944893	3021.791392
122	0.046082365	0.275130151	0.138747565	0.1	0.82	0.436888332	5.242421596	3027.033813
122.2	0.046159956	0.275593401	0.138760186	0.1	0.82	0.436928074	5.242898435	3032.276712
122.4	0.046237554	0.276056694	0.138772811	0.1	0.82	0.436967828	5.243375409	3037.520087
122.6	0.04631516	0.276520029	0.13878544	0.1	0.82	0.437007592	5.243852519	3042.76394
122.8	0.046392772	0.276983406	0.138798072	0.1	0.82	0.437047368	5.244329765	3048.00827

123	0.046470392	0.277446826	0.138810708	0.1	0.82	0.437087156	5.244807147	3053.253077
123.2	0.046548018	0.277910288	0.138823347	0.1	0.82	0.437126955	5.245284665	3058.498361
123.4	0.046625652	0.278373792	0.13883599	0.1	0.82	0.437166765	5.245762318	3063.744124
123.6	0.046703293	0.278837339	0.138848636	0.1	0.82	0.437206586	5.246240108	3068.990364
123.8	0.046780941	0.279300928	0.138861287	0.1	0.82	0.437246419	5.246718034	3074.237082
124	0.046858596	0.279764559	0.13887394	0.1	0.82	0.437286263	5.247196096	3079.484278
124.2	0.046936258	0.280228233	0.138886598	0.1	0.82	0.437326119	5.247674295	3084.731952
124.4	0.047013927	0.280691949	0.138899259	0.1	0.82	0.437365986	5.24815263	3089.980105
124.6	0.047091603	0.281155708	0.138911923	0.1	0.82	0.437405864	5.248631101	3095.228736
124.8	0.047169287	0.281619509	0.138924592	0.1	0.82	0.437445754	5.249109708	3100.477846
125	0.047246977	0.282083353	0.138937263	0.1	0.82	0.437485655	5.249588453	3105.727434
125.2	0.047324675	0.282547238	0.138949939	0.1	0.82	0.437525567	5.250067333	3110.977501
125.4	0.04740238	0.283011167	0.138962618	0.1	0.82	0.437565491	5.250546351	3116.228048
125.6	0.047480091	0.283475138	0.138975301	0.1	0.82	0.437605426	5.251025505	3121.479073
125.8	0.04755781	0.283939151	0.138987987	0.1	0.82	0.437645373	5.251504796	3126.730578
126	0.047635537	0.284403207	0.139000677	0.1	0.82	0.437685331	5.251984224	3131.982562
126.2	0.04771327	0.284867306	0.13901337	0.1	0.82	0.4377253	5.252463788	3137.235026
126.4	0.04779101	0.285331447	0.139026067	0.1	0.82	0.437765281	5.25294349	3142.48797
126.6	0.047868758	0.28579563	0.139038768	0.1	0.82	0.437805274	5.253423329	3147.741393
126.8	0.047946512	0.286259856	0.139051473	0.1	0.82	0.437845277	5.253903305	3152.995296
127	0.048024274	0.286724125	0.139064181	0.1	0.82	0.437885292	5.254383418	3158.24968
127.2	0.048102043	0.287188436	0.139076892	0.1	0.82	0.437925319	5.254863668	3163.504543
127.4	0.048179819	0.28765279	0.139089608	0.1	0.82	0.437965357	5.255344056	3168.759887
127.6	0.048257602	0.288117186	0.139102327	0.1	0.82	0.438005406	5.255824581	3174.015712
127.8	0.048335392	0.288581625	0.139115049	0.1	0.82	0.438045467	5.256305243	3179.272017
128	0.04841319	0.289046107	0.139127776	0.1	0.82	0.43808554	5.256786043	3184.528803
128.2	0.048490994	0.289510631	0.139140505	0.1	0.82	0.438125624	5.25726698	3189.78607
128.4	0.048568806	0.289975198	0.139153239	0.1	0.82	0.438165719	5.257748056	3195.043818
128.6	0.048646625	0.290439808	0.139165976	0.1	0.82	0.438205826	5.258229269	3200.302048
128.8	0.048724451	0.29090446	0.139178717	0.1	0.82	0.438245944	5.258710619	3205.560758
129	0.048802284	0.291369155	0.139191461	0.1	0.82	0.438286074	5.259192108	3210.81995
129.2	0.048880124	0.291833893	0.13920421	0.1	0.82	0.438326215	5.259673734	3216.079624
129.4	0.048957971	0.292298673	0.139216961	0.1	0.82	0.438366368	5.260155499	3221.33978
129.6	0.049035826	0.292763496	0.139229717	0.1	0.82	0.438406532	5.260637401	3226.600417
129.8	0.049113688	0.293228362	0.139242476	0.1	0.82	0.438446708	5.261119442	3231.861536
130	0.049191557	0.29369327	0.139255239	0.1	0.82	0.438486895	5.26160162	3237.123138
130.2	0.049269433	0.294158222	0.139268005	0.1	0.82	0.438527094	5.262083937	3242.385222

130.4	0.049347316	0.294623216	0.139280775	0.1	0.82	0.438567305	5.262566393	3247.647788
130.6	0.049425207	0.295088253	0.139293549	0.1	0.82	0.438607526	5.263048986	3252.910837
130.8	0.049503104	0.295553333	0.139306326	0.1	0.82	0.43864776	5.263531718	3258.174369
131	0.049581009	0.296018455	0.139319107	0.1	0.82	0.438688005	5.264014589	3263.438384
131.2	0.049658921	0.29648362	0.139331892	0.1	0.82	0.438728261	5.264497598	3268.702881
131.4	0.04973684	0.296948829	0.13934468	0.1	0.82	0.43876853	5.264980746	3273.967862
131.6	0.049814766	0.29741408	0.139357472	0.1	0.82	0.438808809	5.265464032	3279.233326
131.8	0.0498927	0.297879374	0.139370268	0.1	0.82	0.4388491	5.265947458	3284.499273
132	0.04997064	0.29834471	0.139383068	0.1	0.82	0.438889403	5.266431022	3289.765704
132.2	0.050048588	0.29881009	0.139395871	0.1	0.82	0.438929718	5.266914725	3295.032619
132.4	0.050126543	0.299275513	0.139408677	0.1	0.82	0.438970044	5.267398567	3300.300018
132.6	0.050204505	0.299740978	0.139421488	0.1	0.82	0.439010381	5.267882548	3305.5679
132.8	0.050282475	0.300206486	0.139434302	0.1	0.82	0.43905073	5.268366668	3310.836267
133	0.050360451	0.300672038	0.13944712	0.1	0.82	0.439091091	5.268850928	3316.105118
133.2	0.050438435	0.301137632	0.139459941	0.1	0.82	0.439131463	5.269335326	3321.374453
133.4	0.050516426	0.301603269	0.139472767	0.1	0.82	0.439171847	5.269819864	3326.644273
133.6	0.050594424	0.30206895	0.139485595	0.1	0.82	0.439212243	5.270304542	3331.914578
133.8	0.050672429	0.302534673	0.139498428	0.1	0.82	0.43925265	5.270789358	3337.185367
134	0.050750442	0.303000439	0.139511264	0.1	0.82	0.439293069	5.271274315	3342.456641
134.2	0.050828462	0.303466248	0.139524104	0.1	0.82	0.439333499	5.271759411	3347.728401
134.4	0.050906489	0.3039321	0.139536948	0.1	0.82	0.439373942	5.272244646	3353.000645
134.6	0.050984523	0.304397996	0.139549795	0.1	0.82	0.439414395	5.272730021	3358.273375
134.8	0.051062564	0.304863934	0.139562646	0.1	0.82	0.439454861	5.273215536	3363.546591
135	0.051140613	0.305329915	0.139575501	0.1	0.82	0.439495338	5.273701191	3368.820292
135.2	0.051218669	0.30579594	0.13958836	0.1	0.82	0.439535827	5.274186986	3374.094479
135.4	0.051296732	0.306262007	0.139601222	0.1	0.82	0.439576327	5.274672921	3379.369152
135.6	0.051374802	0.306728118	0.139614088	0.1	0.82	0.439616839	5.275158996	3384.644311
135.8	0.051452879	0.307194272	0.139626957	0.1	0.82	0.439657363	5.275645211	3389.919956
136	0.051530964	0.307660468	0.13963983	0.1	0.82	0.439697898	5.276131566	3395.196088
136.2	0.051609056	0.308126708	0.139652707	0.1	0.82	0.439738445	5.276618061	3400.472706
136.4	0.051687155	0.308592992	0.139665588	0.1	0.82	0.439779004	5.277104697	3405.749811
136.6	0.051765262	0.309059318	0.139678473	0.1	0.82	0.439819575	5.277591473	3411.027402
136.8	0.051843375	0.309525687	0.139691361	0.1	0.82	0.439860157	5.27807839	3416.30548
137	0.051921496	0.3099921	0.139704253	0.1	0.82	0.439900751	5.278565447	3421.584046
137.2	0.051999624	0.310458556	0.139717148	0.1	0.82	0.439941357	5.279052645	3426.863099
137.4	0.052077759	0.310925055	0.139730048	0.1	0.82	0.439981974	5.279539983	3432.142639
137.6	0.052155902	0.311391597	0.139742951	0.1	0.82	0.440022603	5.280027463	3437.422666

137.8	0.052234052	0.311858183	0.139755857	0.1	0.82	0.440063244	5.280515083	3442.703181
138	0.052312209	0.312324811	0.139768768	0.1	0.82	0.440103897	5.281002843	3447.984184
138.2	0.052390373	0.312791483	0.139781682	0.1	0.82	0.440144561	5.281490745	3453.265675
138.4	0.052468545	0.313258199	0.1397946	0.1	0.82	0.440185237	5.281978788	3458.547653
138.6	0.052546723	0.313724957	0.139807522	0.1	0.82	0.440225925	5.282466972	3463.83012
138.8	0.052624909	0.314191759	0.139820447	0.1	0.82	0.440266625	5.282955297	3469.113076
139	0.052703103	0.314658604	0.139833377	0.1	0.82	0.440307336	5.283443763	3474.396519
139.2	0.052781303	0.315125493	0.139846309	0.1	0.82	0.440348059	5.283932371	3479.680452
139.4	0.052859511	0.315592425	0.139859246	0.1	0.82	0.440388794	5.28442112	3484.964873
139.6	0.052937726	0.3160594	0.139872187	0.1	0.82	0.440429541	5.28491001	3490.249783
139.8	0.053015948	0.316526418	0.139885131	0.1	0.82	0.440470299	5.285399042	3495.535182
140	0.053094178	0.31699348	0.139898079	0.1	0.82	0.44051107	5.285888215	3500.82107
140.2	0.053172415	0.317460586	0.13991103	0.1	0.82	0.440551852	5.28637753	3506.107448
140.4	0.053250659	0.317927734	0.139923986	0.1	0.82	0.440592646	5.286866987	3511.394315
140.6	0.05332891	0.318394926	0.139936945	0.1	0.82	0.440633452	5.287356585	3516.681671
140.8	0.053407169	0.318862162	0.139949908	0.1	0.82	0.440674269	5.287846326	3521.969518
141	0.053485435	0.319329441	0.139962874	0.1	0.82	0.440715099	5.288336208	3527.257854
141.2	0.053563708	0.319796763	0.139975845	0.1	0.82	0.44075594	5.288826232	3532.54668
141.4	0.053641989	0.320264129	0.139988819	0.1	0.82	0.440796793	5.289316398	3537.835996
141.6	0.053720276	0.320731539	0.140001797	0.1	0.82	0.440837658	5.289806707	3543.125803
141.8	0.053798572	0.321198991	0.140014779	0.1	0.82	0.440878535	5.290297157	3548.4161
142	0.053876874	0.321666488	0.140027764	0.1	0.82	0.440919423	5.29078775	3553.706888
142.2	0.053955184	0.322134028	0.140040753	0.1	0.82	0.440960324	5.291278485	3558.998167
142.4	0.0540335	0.322601611	0.140053746	0.1	0.82	0.441001236	5.291769363	3564.289936
142.6	0.054111825	0.323069238	0.140066743	0.1	0.82	0.441042161	5.292260383	3569.582196
142.8	0.054190156	0.323536908	0.140079744	0.1	0.82	0.441083097	5.292751545	3574.874948
143	0.054268495	0.324004622	0.140092748	0.1	0.82	0.441124045	5.29324285	3580.168191
143.2	0.054346841	0.32447238	0.140105756	0.1	0.82	0.441165005	5.293734298	3585.461925
143.4	0.054425194	0.324940181	0.140118768	0.1	0.82	0.441205977	5.294225888	3590.756151
143.6	0.054503555	0.325408026	0.140131784	0.1	0.82	0.44124696	5.294717622	3596.050869
143.8	0.054581923	0.325875914	0.140144803	0.1	0.82	0.441287956	5.295209498	3601.346078
144	0.054660299	0.326343846	0.140157826	0.1	0.82	0.441328964	5.295701517	3606.64178
144.2	0.054738681	0.326811822	0.140170853	0.1	0.82	0.441369983	5.296193679	3611.937973
144.4	0.054817071	0.327279841	0.140183884	0.1	0.82	0.441411014	5.296685984	3617.234659
144.6	0.054895468	0.327747904	0.140196919	0.1	0.82	0.441452058	5.297178433	3622.531838
144.8	0.054973873	0.328216011	0.140209957	0.1	0.82	0.441493113	5.297671024	3627.829509
145	0.055052285	0.328684161	0.140222999	0.1	0.82	0.44153418	5.298163759	3633.127672

145.2	0.055130704	0.329152355	0.140236045	0.1	0.82	0.441575259	5.298656637	3638.426329
145.4	0.055209131	0.329620593	0.140249095	0.1	0.82	0.44161635	5.299149659	3643.725479
145.6	0.055287564	0.330088875	0.140262149	0.1	0.82	0.441657454	5.299642824	3649.025122
145.8	0.055366006	0.3305572	0.140275206	0.1	0.82	0.441698569	5.300136133	3654.325258
146	0.055444454	0.331025569	0.140288267	0.1	0.82	0.441739696	5.300629586	3659.625887
146.2	0.05552291	0.331493982	0.140301332	0.1	0.82	0.441780835	5.301123182	3664.92701
146.4	0.055601373	0.331962438	0.140314401	0.1	0.82	0.441821986	5.301616922	3670.228627
146.6	0.055679844	0.332430938	0.140327474	0.1	0.82	0.441863149	5.302110806	3675.530738
146.8	0.055758321	0.332899483	0.14034055	0.1	0.82	0.441904324	5.302604833	3680.833343
147	0.055836807	0.33336807	0.14035363	0.1	0.82	0.441945511	5.303099005	3686.136442
147.2	0.055915299	0.333836702	0.140366714	0.1	0.82	0.44198671	5.303593321	3691.440035
147.4	0.055993799	0.334305378	0.140379802	0.1	0.82	0.442027921	5.304087781	3696.744123
147.6	0.056072306	0.334774097	0.140392894	0.1	0.82	0.442069144	5.304582385	3702.048705
147.8	0.056150821	0.335242861	0.140405989	0.1	0.82	0.442110379	5.305077133	3707.353783
148	0.056229343	0.335711668	0.140419088	0.1	0.82	0.442151626	5.305572026	3712.659355
148.2	0.056307872	0.336180519	0.140432192	0.1	0.82	0.442192885	5.306067063	3717.965422
148.4	0.056386409	0.336649414	0.140445299	0.1	0.82	0.442234156	5.306562245	3723.271984
148.6	0.056464953	0.337118353	0.140458409	0.1	0.82	0.442275439	5.307057571	3728.579042
148.8	0.056543504	0.337587336	0.140471524	0.1	0.82	0.442316734	5.307553042	3733.886595
149	0.056622063	0.338056363	0.140484642	0.1	0.82	0.442358042	5.308048658	3739.194643
149.2	0.056700629	0.338525433	0.140497765	0.1	0.82	0.442399361	5.308544418	3744.503188
149.4	0.056779202	0.338994548	0.140510891	0.1	0.82	0.442440693	5.309040324	3749.812228
149.6	0.056857783	0.339463707	0.140524021	0.1	0.82	0.442482036	5.309536374	3755.121764
149.8	0.056936371	0.33993291	0.140537154	0.1	0.82	0.442523392	5.310032569	3760.431797
150	0.057014967	0.340402156	0.140550292	0.1	0.82	0.44256476	5.310528909	3765.742326
150.2	0.057093569	0.340871447	0.140563434	0.1	0.82	0.442606139	5.311025394	3771.053351
150.4	0.05717218	0.341340782	0.140576579	0.1	0.82	0.442647531	5.311522025	3776.364873
150.6	0.057250797	0.341810161	0.140589728	0.1	0.82	0.442688935	5.312018801	3781.676892
150.8	0.057329422	0.342279584	0.140602881	0.1	0.82	0.442730352	5.312515722	3786.989408
151	0.057408055	0.342749051	0.140616038	0.1	0.82	0.44277178	5.313012789	3792.302421
151.2	0.057486695	0.343218562	0.140629199	0.1	0.82	0.44281322	5.313510001	3797.615931
151.4	0.057565342	0.343688117	0.140642363	0.1	0.82	0.442854673	5.314007358	3802.929938
151.6	0.057643996	0.344157716	0.140655531	0.1	0.82	0.442896137	5.314504862	3808.244443
151.8	0.057722658	0.34462736	0.140668704	0.1	0.82	0.442937614	5.315002511	3813.559445
152	0.057801328	0.345097047	0.14068188	0.1	0.82	0.442979103	5.315500305	3818.874946
152.2	0.057880005	0.345566779	0.14069506	0.1	0.82	0.443020604	5.315998246	3824.190944
152.4	0.057958689	0.346036555	0.140708244	0.1	0.82	0.443062118	5.316496333	3829.50744

152.6	0.05803738	0.346506375	0.140721431	0.1	0.82	0.443103643	5.316994565	3834.824435
152.8	0.058116079	0.346976239	0.140734623	0.1	0.82	0.443145181	5.317492944	3840.141928
153	0.058194786	0.347446148	0.140747818	0.1	0.82	0.443186731	5.317991469	3845.459919
153.2	0.058273499	0.3479161	0.140761018	0.1	0.82	0.443228293	5.318490139	3850.778409
153.4	0.05835222	0.348386097	0.140774221	0.1	0.82	0.443269867	5.318988957	3856.097398
153.6	0.058430949	0.348856138	0.140787428	0.1	0.82	0.443311453	5.31948792	3861.416886
153.8	0.058509685	0.349326224	0.140800639	0.1	0.82	0.443353052	5.31998703	3866.736873
154	0.058588428	0.349796353	0.140813854	0.1	0.82	0.443394663	5.320486287	3872.057359
154.2	0.058667179	0.350266527	0.140827072	0.1	0.82	0.443436286	5.32098569	3877.378345
154.4	0.058745938	0.350736746	0.140840295	0.1	0.82	0.443477921	5.32148524	3882.69983
154.6	0.058824703	0.351207008	0.140853521	0.1	0.82	0.443519568	5.321984936	3888.021815
154.8	0.058903476	0.351677315	0.140866752	0.1	0.82	0.443561228	5.322484779	3893.3443
155	0.058982257	0.352147666	0.140879986	0.1	0.82	0.4436029	5.322984769	3898.667285
155.2	0.059061045	0.352618062	0.140893224	0.1	0.82	0.443644584	5.323484906	3903.99077
155.4	0.05913984	0.353088502	0.140906466	0.1	0.82	0.443686281	5.32398519	3909.314755
155.6	0.059218643	0.353558986	0.140919712	0.1	0.82	0.443727989	5.324485622	3914.639241
155.8	0.059297453	0.354029515	0.140932962	0.1	0.82	0.44376971	5.3249862	3919.964227
156	0.059376271	0.354500088	0.140946216	0.1	0.82	0.443811444	5.325486925	3925.289714
156.2	0.059455096	0.354970705	0.140959473	0.1	0.82	0.443853189	5.325987798	3930.615702
156.4	0.059533929	0.355441367	0.140972735	0.1	0.82	0.443894947	5.326488818	3935.94219
156.6	0.059612769	0.355912074	0.140986	0.1	0.82	0.443936717	5.326989986	3941.26918
156.8	0.059691616	0.356382824	0.140999269	0.1	0.82	0.4439785	5.327491301	3946.596672
157	0.059770471	0.35685362	0.141012543	0.1	0.82	0.444020294	5.327992763	3951.924664
157.2	0.059849333	0.35732446	0.14102582	0.1	0.82	0.444062101	5.328494374	3957.253159
157.4	0.059928203	0.357795344	0.141039101	0.1	0.82	0.444103921	5.328996132	3962.582155
157.6	0.06000708	0.358266273	0.141052386	0.1	0.82	0.444145752	5.329498038	3967.911653
157.8	0.060085965	0.358737246	0.141065675	0.1	0.82	0.444187596	5.330000092	3973.241653
158	0.060164857	0.359208264	0.141078967	0.1	0.82	0.444229453	5.330502293	3978.572155
158.2	0.060243757	0.359679326	0.141092264	0.1	0.82	0.444271321	5.331004643	3983.90316
158.4	0.060322664	0.360150433	0.141105565	0.1	0.82	0.444313202	5.331507141	3989.234667
158.6	0.060401579	0.360621584	0.141118869	0.1	0.82	0.444355096	5.332009787	3994.566677
158.8	0.060480501	0.36109278	0.141132178	0.1	0.82	0.444397001	5.332512581	3999.899189
159	0.06055943	0.361564021	0.14114549	0.1	0.82	0.444438919	5.333015524	4005.232205
159.2	0.060638367	0.362035306	0.141158806	0.1	0.82	0.44448085	5.333518615	4010.565724
159.4	0.060717311	0.362506636	0.141172127	0.1	0.82	0.444522793	5.334021854	4015.899745
159.6	0.060796263	0.362978011	0.141185451	0.1	0.82	0.444564748	5.334525242	4021.234271
159.8	0.060875223	0.36344943	0.141198779	0.1	0.82	0.444606715	5.335028779	4026.5693

160	0.06095419	0.363920894	0.141212111	0.1	0.82	0.444648695	5.335532464	4031.904832
160.2	0.061033164	0.364392402	0.141225447	0.1	0.82	0.444690688	5.336036298	4037.240868
160.4	0.061112146	0.364863956	0.141238787	0.1	0.82	0.444732692	5.336540281	4042.577409
160.6	0.061191135	0.365335554	0.141252131	0.1	0.82	0.44477471	5.337044412	4047.914453
160.8	0.061270132	0.365807196	0.141265479	0.1	0.82	0.444816739	5.337548693	4053.252002
161	0.061349136	0.366278884	0.14127883	0.1	0.82	0.444858781	5.338053123	4058.590055
161.2	0.061428148	0.366750616	0.141292186	0.1	0.82	0.444900836	5.338557702	4063.928612
161.4	0.061507167	0.367222393	0.141305546	0.1	0.82	0.444942903	5.33906243	4069.267675
161.6	0.061586194	0.367694214	0.141318909	0.1	0.82	0.444984982	5.339567308	4074.607242
161.8	0.061665229	0.368166081	0.141332277	0.1	0.82	0.445027074	5.340072334	4079.947315
162	0.06174427	0.368637992	0.141345649	0.1	0.82	0.445069178	5.340577511	4085.287892
162.2	0.06182332	0.369109948	0.141359024	0.1	0.82	0.445111295	5.341082836	4090.628975
162.4	0.061902377	0.369581949	0.141372403	0.1	0.82	0.445153424	5.341588312	4095.970563
162.6	0.061981441	0.370053995	0.141385787	0.1	0.82	0.445195566	5.342093937	4101.312657
162.8	0.062060513	0.370526085	0.141399174	0.1	0.82	0.44523772	5.342599711	4106.655257
163	0.062139592	0.37099822	0.141412566	0.1	0.82	0.445279886	5.343105636	4111.998362
163.2	0.062218679	0.371470401	0.141425961	0.1	0.82	0.445322065	5.34361171	4117.341974
163.4	0.062297773	0.371942626	0.14143936	0.1	0.82	0.445364257	5.344117934	4122.686092
163.6	0.062376875	0.372414896	0.141452763	0.1	0.82	0.445406461	5.344624309	4128.030716
163.8	0.062455985	0.372887211	0.141466171	0.1	0.82	0.445448678	5.345130833	4133.375847
164	0.062535102	0.373359571	0.141479582	0.1	0.82	0.445490907	5.345637508	4138.721485
164.2	0.062614226	0.373831976	0.141492997	0.1	0.82	0.445533149	5.346144332	4144.067629
164.4	0.062693358	0.374304426	0.141506416	0.1	0.82	0.445575403	5.346651308	4149.41428
164.6	0.062772498	0.37477692	0.141519839	0.1	0.82	0.445617669	5.347158433	4154.761439
164.8	0.062851645	0.37524946	0.141533266	0.1	0.82	0.445659949	5.347665709	4160.109105
165	0.062930799	0.375722045	0.141546697	0.1	0.82	0.445702241	5.348173136	4165.457278
165.2	0.063009962	0.376194675	0.141560132	0.1	0.82	0.445744545	5.348680713	4170.805958
165.4	0.063089131	0.37666735	0.141573571	0.1	0.82	0.445786862	5.349188441	4176.155147
165.6	0.063168309	0.377140069	0.141587015	0.1	0.82	0.445829191	5.34969632	4181.504843
165.8	0.063247493	0.377612834	0.141600462	0.1	0.82	0.445871533	5.350204349	4186.855048
166	0.063326686	0.378085644	0.141613913	0.1	0.82	0.445913888	5.35071253	4192.20576
166.2	0.063405886	0.378558499	0.141627368	0.1	0.82	0.445956255	5.351220861	4197.556981
166.4	0.063485093	0.379031399	0.141640827	0.1	0.82	0.445998635	5.351729343	4202.90871
166.6	0.063564308	0.379504345	0.14165429	0.1	0.82	0.446041028	5.352237977	4208.260948
166.8	0.063643531	0.379977335	0.141667757	0.1	0.82	0.446083433	5.352746762	4213.613695
167	0.063722761	0.380450371	0.141681228	0.1	0.82	0.44612585	5.353255698	4218.966951
167.2	0.063801998	0.380923451	0.141694703	0.1	0.82	0.446168281	5.353764786	4224.320715

167.4	0.063881244	0.381396577	0.141708182	0.1	0.82	0.446210724	5.354274025	4229.67499
167.6	0.063960496	0.381869748	0.141721665	0.1	0.82	0.446253179	5.354783415	4235.029773
167.8	0.064039757	0.382342964	0.141735152	0.1	0.82	0.446295647	5.355292958	4240.385066
168	0.064119025	0.382816225	0.141748643	0.1	0.82	0.446338128	5.355802651	4245.740869
168.2	0.0641983	0.383289532	0.141762138	0.1	0.82	0.446380621	5.356312497	4251.097181
168.4	0.064277583	0.383762884	0.141775638	0.1	0.82	0.446423128	5.356822494	4256.454004
168.6	0.064356874	0.384236281	0.141789141	0.1	0.82	0.446465646	5.357332644	4261.811336
168.8	0.064436172	0.384709723	0.141802648	0.1	0.82	0.446508178	5.357842945	4267.169179
169	0.064515478	0.385183211	0.141816159	0.1	0.82	0.446550722	5.358353398	4272.527533
169.2	0.064594792	0.385656743	0.141829674	0.1	0.82	0.446593279	5.358864004	4277.886397
169.4	0.064674113	0.386130321	0.141843194	0.1	0.82	0.446635848	5.359374762	4283.245771
169.6	0.064753441	0.386603945	0.141856717	0.1	0.82	0.44667843	5.359885672	4288.605657
169.8	0.064832777	0.387077614	0.141870244	0.1	0.82	0.446721025	5.360396734	4293.966054
170	0.064912121	0.387551328	0.141883776	0.1	0.82	0.446763633	5.360907949	4299.326962
170.2	0.064991472	0.388025087	0.141897311	0.1	0.82	0.446806253	5.361419316	4304.688381
170.4	0.065070831	0.388498892	0.141910851	0.1	0.82	0.446848886	5.361930836	4310.050312
170.6	0.065150198	0.388972742	0.141924394	0.1	0.82	0.446891532	5.362442509	4315.412754
170.8	0.065229572	0.389446638	0.141937942	0.1	0.82	0.44693419	5.362954334	4320.775709
171	0.065308954	0.389920578	0.141951493	0.1	0.82	0.446976862	5.363466312	4326.139175
171.2	0.065388343	0.390394565	0.141965049	0.1	0.82	0.447019546	5.363978443	4331.503153
171.4	0.06546774	0.390868597	0.141978608	0.1	0.82	0.447062242	5.364490727	4336.867644
171.6	0.065547145	0.391342674	0.141992172	0.1	0.82	0.447104952	5.365003164	4342.232647
171.8	0.065626557	0.391816797	0.14200574	0.1	0.82	0.447147674	5.365515755	4347.598163
172	0.065705977	0.392290965	0.142019312	0.1	0.82	0.447190409	5.366028498	4352.964192
172.2	0.065785404	0.392765178	0.142032888	0.1	0.82	0.447233157	5.366541395	4358.330733
172.4	0.065864839	0.393239437	0.142046468	0.1	0.82	0.447275917	5.367054445	4363.697787
172.6	0.065944282	0.393713742	0.142060052	0.1	0.82	0.447318691	5.367567648	4369.065355
172.8	0.066023732	0.394188092	0.14207364	0.1	0.82	0.447361477	5.368081005	4374.433436
173	0.06610319	0.394662488	0.142087232	0.1	0.82	0.447404276	5.368594516	4379.802031
173.2	0.066182656	0.395136929	0.142100828	0.1	0.82	0.447447088	5.36910818	4385.171139
173.4	0.066262129	0.395611416	0.142114428	0.1	0.82	0.447489912	5.369621998	4390.540761
173.6	0.06634161	0.396085949	0.142128033	0.1	0.82	0.44753275	5.37013597	4395.910897
173.8	0.066421099	0.396560527	0.142141641	0.1	0.82	0.4475756	5.370650096	4401.281547
174	0.066500595	0.39703515	0.142155254	0.1	0.82	0.447618463	5.371164376	4406.652711
174.2	0.066580098	0.397509819	0.14216887	0.1	0.82	0.447661339	5.37167881	4412.02439
174.4	0.06665961	0.397984534	0.142182491	0.1	0.82	0.447704228	5.372193398	4417.396583
174.6	0.066739129	0.398459295	0.142196116	0.1	0.82	0.447747129	5.37270814	4422.769292

174.8	0.066818656	0.398934101	0.142209745	0.1	0.82	0.447790044	5.373223036	4428.142515
175	0.06689819	0.399408953	0.142223377	0.1	0.82	0.447832971	5.373738087	4433.516253
175.2	0.066977732	0.39988385	0.142237014	0.1	0.82	0.447875911	5.374253292	4438.890506
175.4	0.067057282	0.400358794	0.142250656	0.1	0.82	0.447918864	5.374768652	4444.265275
175.6	0.067136839	0.400833782	0.142264301	0.1	0.82	0.44796183	5.375284166	4449.640559
175.8	0.067216404	0.401308817	0.14227795	0.1	0.82	0.448004809	5.375799835	4455.016359
176	0.067295976	0.401783898	0.142291603	0.1	0.82	0.448047801	5.376315659	4460.392674
176.2	0.067375557	0.402259024	0.142305261	0.1	0.82	0.448090805	5.376831638	4465.769506
176.4	0.067455145	0.402734196	0.142318922	0.1	0.82	0.448133823	5.377347771	4471.146854
176.6	0.06753474	0.403209413	0.142332588	0.1	0.82	0.448176854	5.37786406	4476.524718
176.8	0.067614344	0.403684677	0.142346258	0.1	0.82	0.448219897	5.378380504	4481.903098
177	0.067693955	0.404159986	0.142359932	0.1	0.82	0.448262953	5.378897102	4487.281995
177.2	0.067773573	0.404635342	0.14237361	0.1	0.82	0.448306023	5.379413856	4492.661409
177.4	0.0678532	0.405110743	0.142387292	0.1	0.82	0.448349105	5.379930766	4498.04134
177.6	0.067932834	0.405586189	0.142400978	0.1	0.82	0.4483922	5.38044783	4503.421788
177.8	0.068012475	0.406061682	0.142414669	0.1	0.82	0.448435308	5.380965051	4508.802753
178	0.068092125	0.406537221	0.142428363	0.1	0.82	0.448478429	5.381482426	4514.184235
178.2	0.068171782	0.407012805	0.142442062	0.1	0.82	0.448521564	5.381999958	4519.566235
178.4	0.068251446	0.407488436	0.142455764	0.1	0.82	0.448564711	5.382517645	4524.948753
178.6	0.068331119	0.407964112	0.142469471	0.1	0.82	0.448607871	5.383035487	4530.331788
178.8	0.068410799	0.408439834	0.142483182	0.1	0.82	0.448651044	5.383553486	4535.715342
179	0.068490487	0.408915603	0.142496897	0.1	0.82	0.44869423	5.384071641	4541.099413
179.2	0.068570182	0.409391417	0.142510616	0.1	0.82	0.448737429	5.384589951	4546.484003
179.4	0.068649886	0.409867277	0.14252434	0.1	0.82	0.448780641	5.385108418	4551.869112
179.6	0.068729597	0.410343183	0.142538067	0.1	0.82	0.448823866	5.385627041	4557.254739
179.8	0.068809315	0.410819135	0.142551799	0.1	0.82	0.448867104	5.38614582	4562.640885
180	0.068889042	0.411295134	0.142565535	0.1	0.82	0.448910355	5.386664755	4568.027549
180.2	0.068968776	0.411771178	0.142579274	0.1	0.82	0.448953619	5.387183847	4573.414733
180.4	0.069048517	0.412247268	0.142593018	0.1	0.82	0.448996897	5.387703095	4578.802436
180.6	0.069128267	0.412723405	0.142606767	0.1	0.82	0.449040187	5.3882225	4584.190659
180.8	0.069208024	0.413199587	0.142620519	0.1	0.82	0.44908349	5.388742062	4589.579401
181	0.069287789	0.413675816	0.142634275	0.1	0.82	0.449126807	5.38926178	4594.968663
181.2	0.069367562	0.41415209	0.142648036	0.1	0.82	0.449170136	5.389781655	4600.358444
181.4	0.069447342	0.414628411	0.142661801	0.1	0.82	0.449213479	5.390301687	4605.748746
181.6	0.06952713	0.415104778	0.14267557	0.1	0.82	0.449256834	5.390821876	4611.139568
181.8	0.069606926	0.415581191	0.142689343	0.1	0.82	0.449300203	5.391342222	4616.53091
182	0.06968673	0.41605765	0.14270312	0.1	0.82	0.449343585	5.391862725	4621.922773

182.2	0.069766541	0.416534155	0.142716902	0.1	0.82	0.44938698	5.392383385	4627.315156
182.4	0.06984636	0.417010707	0.142730687	0.1	0.82	0.449430388	5.392904203	4632.70806
182.6	0.069926187	0.417487305	0.142744477	0.1	0.82	0.449473809	5.393425178	4638.101486
182.8	0.070006021	0.417963949	0.142758271	0.1	0.82	0.449517243	5.39394631	4643.495432
183	0.070085863	0.418440639	0.142772069	0.1	0.82	0.44956069	5.3944676	4648.8899
183.2	0.070165713	0.418917375	0.142785871	0.1	0.82	0.449604151	5.394989048	4654.284889
183.4	0.070245571	0.419394158	0.142799678	0.1	0.82	0.449647625	5.395510653	4659.680399
183.6	0.070325437	0.419870987	0.142813488	0.1	0.82	0.449691111	5.396032416	4665.076432
183.8	0.07040531	0.420347862	0.142827303	0.1	0.82	0.449734611	5.396554337	4670.472986
184	0.070485191	0.420824784	0.142841122	0.1	0.82	0.449778125	5.397076415	4675.870062
184.2	0.07056508	0.421301752	0.142854945	0.1	0.82	0.449821651	5.397598652	4681.267661
184.4	0.070644976	0.421778766	0.142868772	0.1	0.82	0.44986519	5.398121047	4686.665782
184.6	0.070724881	0.422255827	0.142882604	0.1	0.82	0.449908743	5.3986436	4692.064426
184.8	0.070804793	0.422732933	0.14289644	0.1	0.82	0.449952309	5.399166311	4697.463592
185	0.070884712	0.423210087	0.142910279	0.1	0.82	0.449995888	5.39968918	4702.863281
185.2	0.07096464	0.423687286	0.142924124	0.1	0.82	0.45003948	5.400212208	4708.263493
185.4	0.071044575	0.424164533	0.142937972	0.1	0.82	0.450083086	5.400735395	4713.664229
185.6	0.071124518	0.424641825	0.142951824	0.1	0.82	0.450126704	5.40125874	4719.065488
185.8	0.071204469	0.425119164	0.142965681	0.1	0.82	0.450170336	5.401782243	4724.46727
186	0.071284428	0.425596549	0.142979542	0.1	0.82	0.450213981	5.402305906	4729.869576
186.2	0.071364395	0.426073981	0.142993407	0.1	0.82	0.45025764	5.402829727	4735.272405
186.4	0.071444369	0.426551459	0.143007276	0.1	0.82	0.450301311	5.403353707	4740.675759
186.6	0.071524351	0.427028984	0.14302115	0.1	0.82	0.450344996	5.403877846	4746.079637
186.8	0.071604341	0.427506555	0.143035027	0.1	0.82	0.450388694	5.404402144	4751.484039
187	0.071684338	0.427984173	0.143048909	0.1	0.82	0.450432406	5.404926601	4756.888966
187.2	0.071764344	0.428461837	0.143062796	0.1	0.82	0.45047613	5.405451218	4762.294417
187.4	0.071844357	0.428939548	0.143076686	0.1	0.82	0.450519868	5.405975994	4767.700393
187.6	0.071924378	0.429417306	0.14309058	0.1	0.82	0.45056362	5.406500929	4773.106894
187.8	0.072004407	0.42989511	0.143104479	0.1	0.82	0.450607384	5.407026023	4778.51392
188	0.072084443	0.43037296	0.143118382	0.1	0.82	0.450651162	5.407551277	4783.921471
188.2	0.072164488	0.430850857	0.143132289	0.1	0.82	0.450694953	5.408076691	4789.329548
188.4	0.07224454	0.431328801	0.143146201	0.1	0.82	0.450738758	5.408602264	4794.73815
188.6	0.0723246	0.431806791	0.143160117	0.1	0.82	0.450782575	5.409127998	4800.147278
188.8	0.072404668	0.432284828	0.143174037	0.1	0.82	0.450826406	5.409653891	4805.556932
189	0.072484743	0.432762912	0.143187961	0.1	0.82	0.450870251	5.410179944	4810.967112
189.2	0.072564827	0.433241043	0.143201889	0.1	0.82	0.450914109	5.410706157	4816.377818
189.4	0.072644918	0.43371922	0.143215822	0.1	0.82	0.45095798	5.41123253	4821.789051

189.6	0.072725017	0.434197443	0.143229759	0.1	0.82	0.451001864	5.411759063	4827.20081
189.8	0.072805124	0.434675714	0.1432437	0.1	0.82	0.451045762	5.412285757	4832.613095
190	0.072885239	0.435154031	0.143257645	0.1	0.82	0.451089673	5.412812611	4838.025908
190.2	0.072965362	0.435632395	0.143271595	0.1	0.82	0.451133598	5.413339626	4843.439248
190.4	0.073045492	0.436110805	0.143285549	0.1	0.82	0.451177536	5.4138668	4848.853115
190.6	0.07312563	0.436589263	0.143299507	0.1	0.82	0.451221487	5.414394136	4854.267509
190.8	0.073205776	0.437067767	0.143313469	0.1	0.82	0.451265452	5.414921632	4859.68243
191	0.07328593	0.437546318	0.143327436	0.1	0.82	0.45130943	5.415449289	4865.09788
191.2	0.073366092	0.438024916	0.143341407	0.1	0.82	0.451353421	5.415977107	4870.513857
191.4	0.073446262	0.438503561	0.143355382	0.1	0.82	0.451397426	5.416505086	4875.930362
191.6	0.073526439	0.438982252	0.143369361	0.1	0.82	0.451441445	5.417033226	4881.347395
191.8	0.073606624	0.43946099	0.143383345	0.1	0.82	0.451485476	5.417561527	4886.764957
192	0.073686818	0.439939776	0.143397333	0.1	0.82	0.451529522	5.418089989	4892.183047
192.2	0.073767019	0.440418608	0.143411325	0.1	0.82	0.45157358	5.418618612	4897.601665
192.4	0.073847227	0.440897487	0.143425322	0.1	0.82	0.451617652	5.419147397	4903.020813
192.6	0.073927444	0.441376413	0.143439322	0.1	0.82	0.451661738	5.419676343	4908.440489
192.8	0.074007669	0.441855385	0.143453327	0.1	0.82	0.451705837	5.420205451	4913.860694
193	0.074087901	0.442334405	0.143467337	0.1	0.82	0.45174995	5.42073472	4919.281429
193.2	0.074168141	0.442813472	0.14348135	0.1	0.82	0.451794076	5.421264151	4924.702693
193.4	0.07424839	0.443292586	0.143495368	0.1	0.82	0.451838215	5.421793743	4930.124487
193.6	0.074328646	0.443771746	0.14350939	0.1	0.82	0.451882368	5.422323498	4935.54681
193.8	0.07440891	0.444250954	0.143523417	0.1	0.82	0.451926534	5.422853414	4940.969664
194	0.074489181	0.444730209	0.143537447	0.1	0.82	0.451970714	5.423383493	4946.393047
194.2	0.074569461	0.44520951	0.143551482	0.1	0.82	0.452014908	5.423913733	4951.816961
194.4	0.074649749	0.445688859	0.143565522	0.1	0.82	0.452059115	5.424444136	4957.241405
194.6	0.074730044	0.446168255	0.143579565	0.1	0.82	0.452103335	5.424974701	4962.66638
194.8	0.074810347	0.446647698	0.143593613	0.1	0.82	0.452147569	5.425505429	4968.091885
195	0.074890659	0.447127188	0.143607665	0.1	0.82	0.452191817	5.426036318	4973.517922
195.2	0.074970978	0.447606725	0.143621722	0.1	0.82	0.452236078	5.426567371	4978.944489
195.4	0.075051305	0.448086309	0.143635783	0.1	0.82	0.452280353	5.427098585	4984.371588
195.6	0.075131639	0.44856594	0.143649848	0.1	0.82	0.452324641	5.427629963	4989.799218
195.8	0.075211982	0.449045619	0.143663917	0.1	0.82	0.452368943	5.428161503	4995.227379
196	0.075292333	0.449525344	0.143677991	0.1	0.82	0.452413258	5.428693206	5000.656072
196.2	0.075372691	0.450005117	0.143692069	0.1	0.82	0.452457587	5.429225072	5006.085297
196.4	0.075453058	0.450484937	0.143706151	0.1	0.82	0.45250193	5.429757102	5011.515054
196.6	0.075533432	0.450964804	0.143720238	0.1	0.82	0.452546286	5.430289294	5016.945344
196.8	0.075613815	0.451444719	0.143734329	0.1	0.82	0.452590656	5.430821649	5022.376165

197	0.075694205	0.45192468	0.143748424	0.1	0.82	0.452635039	5.431354168	5027.80752
197.2	0.075774603	0.452404689	0.143762524	0.1	0.82	0.452679436	5.43188685	5033.239406
197.4	0.075855009	0.452884745	0.143776628	0.1	0.82	0.452723847	5.432419695	5038.671826
197.6	0.075935423	0.453364849	0.143790736	0.1	0.82	0.452768271	5.432952704	5044.104779
197.8	0.076015845	0.453844999	0.143804849	0.1	0.82	0.452812709	5.433485877	5049.538265
198	0.076096275	0.454325197	0.143818966	0.1	0.82	0.45285716	5.434019213	5054.972284
198.2	0.076176712	0.454805443	0.143833087	0.1	0.82	0.452901625	5.434552713	5060.406837
198.4	0.076257158	0.455285735	0.143847213	0.1	0.82	0.452946104	5.435086377	5065.841923
198.6	0.076337611	0.455766075	0.143861343	0.1	0.82	0.452990597	5.435620204	5071.277543
198.8	0.076418073	0.456246463	0.143875477	0.1	0.82	0.453035103	5.436154196	5076.713697
199	0.076498542	0.456726897	0.143889616	0.1	0.82	0.453079623	5.436688352	5082.150386
199.2	0.07657902	0.45720738	0.143903759	0.1	0.82	0.453124156	5.437222672	5087.587608
199.4	0.076659505	0.457687909	0.143917906	0.1	0.82	0.453168703	5.437757157	5093.025366
199.6	0.076739998	0.458168486	0.143932058	0.1	0.82	0.453213264	5.438291805	5098.463657
199.8	0.0768205	0.45864911	0.143946214	0.1	0.82	0.453257839	5.438826618	5103.902484
200	0.076901009	0.459129782	0.143960374	0.1	0.82	0.453302427	5.439361596	5109.341846
200.2	0.076981526	0.459610502	0.143974539	0.1	0.82	0.453347029	5.439896739	5114.781742
200.4	0.077062051	0.460091268	0.143988708	0.1	0.82	0.453391645	5.440432046	5120.222174
200.6	0.077142584	0.460572083	0.144002882	0.1	0.82	0.453436275	5.440967517	5125.663142
200.8	0.077223125	0.461052944	0.14401706	0.1	0.82	0.453480918	5.441503154	5131.104645
201	0.077303674	0.461533854	0.144031242	0.1	0.82	0.453525575	5.442038956	5136.546684
201.2	0.077384231	0.46201481	0.144045429	0.1	0.82	0.453570246	5.442574923	5141.989259
201.4	0.077464795	0.462495815	0.14405962	0.1	0.82	0.45361493	5.443111054	5147.43237
201.6	0.077545368	0.462976867	0.144073815	0.1	0.82	0.453659628	5.443647351	5152.876017
201.8	0.077625949	0.463457966	0.144088015	0.1	0.82	0.453704341	5.444183814	5158.320201
202	0.077706538	0.463939113	0.144102219	0.1	0.82	0.453749066	5.444720442	5163.764922
202.2	0.077787135	0.464420308	0.144116427	0.1	0.82	0.453793806	5.445257235	5169.210179
202.4	0.077867739	0.46490155	0.14413064	0.1	0.82	0.45383856	5.445794194	5174.655973
202.6	0.077948352	0.46538284	0.144144857	0.1	0.82	0.453883327	5.446331318	5180.102304
202.8	0.078028973	0.465864178	0.144159079	0.1	0.82	0.453928108	5.446868608	5185.549173
203	0.078109601	0.466345563	0.144173305	0.1	0.82	0.453972903	5.447406064	5190.996579
203.2	0.078190238	0.466826996	0.144187535	0.1	0.82	0.454017712	5.447943686	5196.444523
203.4	0.078270883	0.467308477	0.14420177	0.1	0.82	0.454062534	5.448481474	5201.893004
203.6	0.078351535	0.467790006	0.144216009	0.1	0.82	0.454107371	5.449019428	5207.342024
203.8	0.078432196	0.468271582	0.144230253	0.1	0.82	0.454152221	5.449557548	5212.791581
204	0.078512864	0.468753206	0.144244501	0.1	0.82	0.454197085	5.450095834	5218.241677
204.2	0.078593541	0.469234877	0.144258753	0.1	0.82	0.454241963	5.450634287	5223.692311

204.4	0.078674226	0.469716597	0.14427301	0.1	0.82	0.454286855	5.451172906	5229.143484
204.6	0.078754918	0.470198364	0.144287272	0.1	0.82	0.454331761	5.451711692	5234.595196
204.8	0.078835619	0.470680179	0.144301537	0.1	0.82	0.45437668	5.452250644	5240.047446
205	0.078916327	0.471162042	0.144315807	0.1	0.82	0.454421614	5.452789763	5245.500236
205.2	0.078997044	0.471643952	0.144330082	0.1	0.82	0.454466561	5.453329048	5250.953565
205.4	0.079077769	0.472125911	0.144344361	0.1	0.82	0.454511522	5.453868501	5256.407434
205.6	0.079158501	0.472607917	0.144358644	0.1	0.82	0.454556498	5.45440812	5261.861842
205.8	0.079239242	0.473089971	0.144372932	0.1	0.82	0.454601487	5.454947907	5267.31679
206	0.079319991	0.473572074	0.144387224	0.1	0.82	0.45464649	5.45548786	5272.772278
206.2	0.079400748	0.474054224	0.14440152	0.1	0.82	0.454691507	5.456027981	5278.228306
206.4	0.079481512	0.474536422	0.144415821	0.1	0.82	0.454736538	5.456568269	5283.684874
206.6	0.079562285	0.475018667	0.144430127	0.1	0.82	0.454781583	5.457108725	5289.141983
206.8	0.079643066	0.475500961	0.144444437	0.1	0.82	0.454826642	5.457649347	5294.599632
207	0.079723855	0.475983303	0.144458751	0.1	0.82	0.454871715	5.458190138	5300.057822
207.2	0.079804652	0.476465693	0.14447307	0.1	0.82	0.454916801	5.458731096	5305.516553
207.4	0.079885457	0.476948131	0.144487393	0.1	0.82	0.454961902	5.459272222	5310.975825
207.6	0.07996627	0.477430617	0.14450172	0.1	0.82	0.455007017	5.459813515	5316.435639
207.8	0.080047091	0.47791315	0.144516052	0.1	0.82	0.455052146	5.460354977	5321.895994
208	0.08012792	0.478395732	0.144530389	0.1	0.82	0.455097289	5.460896606	5327.356891
208.2	0.080208757	0.478878362	0.14454473	0.1	0.82	0.455142445	5.461438404	5332.818329
208.4	0.080289602	0.47936104	0.144559075	0.1	0.82	0.455187616	5.46198037	5338.280309
208.6	0.080370455	0.479843766	0.144573425	0.1	0.82	0.455232801	5.462522504	5343.742832
208.8	0.080451317	0.48032654	0.144587779	0.1	0.82	0.455278	5.463064806	5349.205897
209	0.080532186	0.480809363	0.144602138	0.1	0.82	0.455323213	5.463607277	5354.669504
209.2	0.080613063	0.481292233	0.144616501	0.1	0.82	0.45536844	5.464149916	5360.133654
209.4	0.080693949	0.481775152	0.144630869	0.1	0.82	0.455413681	5.464692724	5365.598347
209.6	0.080774842	0.482258119	0.144645241	0.1	0.82	0.455458936	5.4652357	5371.063582
209.8	0.080855744	0.482741133	0.144659618	0.1	0.82	0.455504205	5.465778846	5376.529361
210	0.080936654	0.483224197	0.144673999	0.1	0.82	0.455549488	5.46632216	5381.995683
210.2	0.081017571	0.483707308	0.144688385	0.1	0.82	0.455594786	5.466865643	5387.462549
210.4	0.081098497	0.484190467	0.144702775	0.1	0.82	0.455640097	5.467409295	5392.929958
210.6	0.081179431	0.484673675	0.144717169	0.1	0.82	0.455685422	5.467953116	5398.397911
210.8	0.081260373	0.485156931	0.144731568	0.1	0.82	0.455730762	5.468497107	5403.866408
211	0.081341323	0.485640236	0.144745972	0.1	0.82	0.455776116	5.469041267	5409.33545
211.2	0.081422281	0.486123588	0.14476038	0.1	0.82	0.455821484	5.469585596	5414.805035
211.4	0.081503248	0.486606989	0.144774792	0.1	0.82	0.455866866	5.470130094	5420.275165
211.6	0.081584222	0.487090438	0.144789209	0.1	0.82	0.455912262	5.470674763	5425.74584

211.8	0.081665204	0.487573936	0.144803631	0.1	0.82	0.455957672	5.471219601	5431.21706
212	0.081746195	0.488057482	0.144818056	0.1	0.82	0.456003096	5.471764608	5436.688824
212.2	0.081827193	0.488541076	0.144832487	0.1	0.82	0.456048535	5.472309786	5442.161134
212.4	0.0819082	0.489024718	0.144846922	0.1	0.82	0.456093987	5.472855133	5447.633989
212.6	0.081989215	0.489508409	0.144861361	0.1	0.82	0.456139454	5.473400651	5453.10739
212.8	0.082070238	0.489992149	0.144875805	0.1	0.82	0.456184935	5.473946338	5458.581336
213	0.082151269	0.490475936	0.144890254	0.1	0.82	0.456230431	5.474492196	5464.055828
213.2	0.082232308	0.490959773	0.144904707	0.1	0.82	0.45627594	5.475038224	5469.530867
213.4	0.082313355	0.491443657	0.144919164	0.1	0.82	0.456321464	5.475584422	5475.006451
213.6	0.082394411	0.491927591	0.144933626	0.1	0.82	0.456367002	5.476130791	5480.482582
213.8	0.082475474	0.492411572	0.144948092	0.1	0.82	0.456412554	5.476677331	5485.959259
214	0.082556546	0.492895602	0.144962563	0.1	0.82	0.45645812	5.477224041	5491.436483
214.2	0.082637626	0.493379681	0.144977039	0.1	0.82	0.4565037	5.477770922	5496.914254
214.4	0.082718714	0.493863808	0.144991519	0.1	0.82	0.456549295	5.478317973	5502.392572
214.6	0.08279981	0.494347984	0.145006004	0.1	0.82	0.456594904	5.478865196	5507.871437
214.8	0.082880914	0.494832208	0.145020493	0.1	0.82	0.456640527	5.479412589	5513.35085
215	0.082962026	0.495316481	0.145034986	0.1	0.82	0.456686165	5.479960154	5518.83081
215.2	0.083043147	0.495800802	0.145049484	0.1	0.82	0.456731817	5.48050789	5524.311318
215.4	0.083124275	0.496285172	0.145063987	0.1	0.82	0.456777483	5.481055797	5529.792374
215.6	0.083205412	0.496769591	0.145078494	0.1	0.82	0.456823163	5.481603875	5535.273978
215.8	0.083286557	0.497254058	0.145093006	0.1	0.82	0.456868858	5.482152125	5540.75613
216	0.08336771	0.497738574	0.145107522	0.1	0.82	0.456914567	5.482700546	5546.23883
216.2	0.083448871	0.498223138	0.145122043	0.1	0.82	0.45696029	5.483249139	5551.722079
216.4	0.08353004	0.498707752	0.145136569	0.1	0.82	0.457006027	5.483797904	5557.205877
216.6	0.083611218	0.499192413	0.145151099	0.1	0.82	0.457051779	5.484346841	5562.690224
216.8	0.083692403	0.499677124	0.145165633	0.1	0.82	0.457097546	5.484895949	5568.17512
217	0.083773597	0.500161883	0.145180172	0.1	0.82	0.457143326	5.48544523	5573.660565
217.2	0.083854799	0.500646691	0.145194716	0.1	0.82	0.457189121	5.485994682	5579.14656
217.4	0.083936009	0.501131548	0.145209264	0.1	0.82	0.45723493	5.486544307	5584.633104
217.6	0.084017227	0.501616454	0.145223817	0.1	0.82	0.457280754	5.487094104	5590.120199
217.8	0.084098454	0.502101408	0.145238374	0.1	0.82	0.457326592	5.487644073	5595.607843
218	0.084179688	0.502586411	0.145252936	0.1	0.82	0.457372444	5.488194215	5601.096037
218.2	0.084260931	0.503071463	0.145267502	0.1	0.82	0.457418311	5.488744529	5606.584781
218.4	0.084342182	0.503556564	0.145282073	0.1	0.82	0.457464192	5.489295016	5612.074076
218.6	0.084423441	0.504041714	0.145296649	0.1	0.82	0.457510087	5.489845676	5617.563922
218.8	0.084504709	0.504526912	0.145311229	0.1	0.82	0.457555997	5.490396508	5623.054319
219	0.084585984	0.50501216	0.145325814	0.1	0.82	0.457601922	5.490947513	5628.545266

219.2	0.084667268	0.505497456	0.145340403	0.1	0.82	0.45764786	5.491498692	5634.036765
219.4	0.08474856	0.505982801	0.145354997	0.1	0.82	0.457693814	5.492050043	5639.528815
219.6	0.08482986	0.506468195	0.145369595	0.1	0.82	0.457739781	5.492601568	5645.021416
219.8	0.084911168	0.506953638	0.145384198	0.1	0.82	0.457785763	5.493153266	5650.51457
220	0.084992485	0.50743913	0.145398806	0.1	0.82	0.45783176	5.493705137	5656.008275
220.2	0.085073809	0.507924671	0.145413418	0.1	0.82	0.457877771	5.494257182	5661.502532
220.4	0.085155142	0.508410261	0.145428035	0.1	0.82	0.457923796	5.4948094	5666.997341
220.6	0.085236483	0.5088959	0.145442656	0.1	0.82	0.457969836	5.495361792	5672.492703
220.8	0.085317833	0.509381588	0.145457282	0.1	0.82	0.45801589	5.495914357	5677.988617
221	0.08539919	0.509867325	0.145471913	0.1	0.82	0.458061959	5.496467096	5683.485085
221.2	0.085480556	0.510353111	0.145486548	0.1	0.82	0.458108042	5.49702001	5688.982105
221.4	0.08556193	0.510838947	0.145501188	0.1	0.82	0.45815414	5.497573097	5694.479678
221.6	0.085643312	0.511324831	0.145515832	0.1	0.82	0.458200253	5.498126358	5699.977804
221.8	0.085724703	0.511810764	0.145530481	0.1	0.82	0.45824638	5.498679794	5705.476484
222	0.085806101	0.512296746	0.145545135	0.1	0.82	0.458292521	5.499233404	5710.975717
222.2	0.085887508	0.512782778	0.145559793	0.1	0.82	0.458338677	5.499787188	5716.475504
222.4	0.085968923	0.513268859	0.145574456	0.1	0.82	0.458384847	5.500341147	5721.975846
222.6	0.086050346	0.513754988	0.145589124	0.1	0.82	0.458431033	5.50089528	5727.476741
222.8	0.086131778	0.514241167	0.145603796	0.1	0.82	0.458477232	5.501449588	5732.97819
223	0.086213218	0.514727396	0.145618473	0.1	0.82	0.458523446	5.50200407	5738.480194
223.2	0.086294666	0.515213673	0.145633154	0.1	0.82	0.458569675	5.502558728	5743.982753
223.4	0.086376122	0.515699999	0.14564784	0.1	0.82	0.458615918	5.50311356	5749.485867
223.6	0.086457587	0.516186375	0.145662531	0.1	0.82	0.458662176	5.503668567	5754.989535
223.8	0.086539059	0.5166728	0.145677226	0.1	0.82	0.458708449	5.50422375	5760.493759
224	0.08662054	0.517159275	0.145691926	0.1	0.82	0.458754736	5.504779107	5765.998538
224.2	0.08670203	0.517645798	0.14570663	0.1	0.82	0.458801038	5.50533464	5771.503873
224.4	0.086783527	0.518132371	0.14572134	0.1	0.82	0.458847354	5.505890349	5777.009763
224.6	0.086865033	0.518618993	0.145736053	0.1	0.82	0.458893685	5.506446232	5782.516209
224.8	0.086946547	0.519105665	0.145750772	0.1	0.82	0.45894003	5.507002292	5788.023212
225	0.087028069	0.519592386	0.145765495	0.1	0.82	0.458986391	5.507558527	5793.53077
225.2	0.0871096	0.520079156	0.145780223	0.1	0.82	0.459032766	5.508114938	5799.038885
225.4	0.087191139	0.520565976	0.145794955	0.1	0.82	0.459079155	5.508671524	5804.547557
225.6	0.087272686	0.521052845	0.145809692	0.1	0.82	0.459125559	5.509228287	5810.056785
225.8	0.087354241	0.521539763	0.145824434	0.1	0.82	0.459171978	5.509785226	5815.56657
226	0.087435805	0.522026731	0.145839181	0.1	0.82	0.459218412	5.51034234	5821.076913
226.2	0.087517377	0.522513748	0.145853932	0.1	0.82	0.45926486	5.510899631	5826.587812
226.4	0.087598957	0.523000815	0.145868687	0.1	0.82	0.459311323	5.511457099	5832.099269

226.6	0.087680546	0.523487931	0.145883448	0.1	0.82	0.459357801	5.512014742	5837.611284
226.8	0.087762143	0.523975097	0.145898213	0.1	0.82	0.459404293	5.512572563	5843.123857
227	0.087843748	0.524462312	0.145912983	0.1	0.82	0.4594508	5.513130559	5848.636987
227.2	0.087925361	0.524949576	0.145927757	0.1	0.82	0.459497322	5.513688733	5854.150676
227.4	0.088006983	0.525436891	0.145942536	0.1	0.82	0.459543859	5.514247083	5859.664923
227.6	0.088088613	0.525924254	0.14595732	0.1	0.82	0.45959041	5.514805611	5865.179729
227.8	0.088170251	0.526411668	0.145972109	0.1	0.82	0.459636976	5.515364315	5870.695093
228	0.088251898	0.526899131	0.145986902	0.1	0.82	0.459683557	5.515923196	5876.211016
228.2	0.088333553	0.527386643	0.1460017	0.1	0.82	0.459730152	5.516482254	5881.727498
228.4	0.088415216	0.527874205	0.146016502	0.1	0.82	0.459776763	5.51704149	5887.24454
228.6	0.088496887	0.528361817	0.14603131	0.1	0.82	0.459823388	5.517600903	5892.762141
228.8	0.088578567	0.528849478	0.146046122	0.1	0.82	0.459870028	5.518160494	5898.280301
229	0.088660255	0.529337189	0.146060938	0.1	0.82	0.459916683	5.518720262	5903.799022
229.2	0.088741952	0.52982495	0.14607576	0.1	0.82	0.459963352	5.519280207	5909.318302
229.4	0.088823657	0.53031276	0.146090586	0.1	0.82	0.460010036	5.519840331	5914.838142
229.6	0.08890537	0.53080062	0.146105417	0.1	0.82	0.460056736	5.520400632	5920.358543
229.8	0.088987091	0.53128853	0.146120252	0.1	0.82	0.46010345	5.520961111	5925.879504
230	0.089068821	0.53177649	0.146135092	0.1	0.82	0.460150178	5.521521768	5931.401026
230.2	0.089150559	0.532264499	0.146149937	0.1	0.82	0.460196922	5.522082604	5936.923108
230.4	0.089232306	0.532752558	0.146164787	0.1	0.82	0.460243681	5.522643617	5942.445752
230.6	0.08931406	0.533240667	0.146179641	0.1	0.82	0.460290454	5.523204809	5947.968957
230.8	0.089395824	0.533728825	0.1461945	0.1	0.82	0.460337242	5.523766179	5953.492723
231	0.089477595	0.534217034	0.146209364	0.1	0.82	0.460384046	5.524327728	5959.01705
231.2	0.089559375	0.534705292	0.146224233	0.1	0.82	0.460430864	5.524889455	5964.54194
231.4	0.089641163	0.5351936	0.146239106	0.1	0.82	0.460477697	5.525451361	5970.067391
231.6	0.08972296	0.535681958	0.146253984	0.1	0.82	0.460524544	5.526013446	5975.593405
231.8	0.089804765	0.536170366	0.146268867	0.1	0.82	0.460571407	5.526575709	5981.11998
232	0.089886578	0.536658824	0.146283754	0.1	0.82	0.460618285	5.527138152	5986.647119
232.2	0.089968399	0.537147331	0.146298646	0.1	0.82	0.460665177	5.527700774	5992.174819
232.4	0.090050229	0.537635889	0.146313543	0.1	0.82	0.460712085	5.528263574	5997.703083
232.6	0.090132068	0.538124497	0.146328445	0.1	0.82	0.460759007	5.528826554	6003.23191
232.8	0.090213914	0.538613154	0.146343351	0.1	0.82	0.460805945	5.529389714	6008.761299
233	0.090295769	0.539101862	0.146358263	0.1	0.82	0.460852897	5.529953053	6014.291252
233.2	0.090377633	0.539590619	0.146373179	0.1	0.82	0.460899865	5.530516571	6019.821769
233.4	0.090459505	0.540079426	0.146388099	0.1	0.82	0.460946847	5.531080269	6025.352849
233.6	0.090541385	0.540568284	0.146403025	0.1	0.82	0.460993844	5.531644147	6030.884493
233.8	0.090623273	0.541057191	0.146417955	0.1	0.82	0.461040857	5.532208205	6036.416701

234	0.09070517	0.541546149	0.14643289	0.1	0.82	0.461087884	5.532772442	6041.949474
234.2	0.090787076	0.542035157	0.14644783	0.1	0.82	0.461134926	5.53333686	6047.482811
234.4	0.090868989	0.542524214	0.146462774	0.1	0.82	0.461181983	5.533901458	6053.016712
234.6	0.090950912	0.543013322	0.146477724	0.1	0.82	0.461229056	5.534466236	6058.551178
234.8	0.091032842	0.54350248	0.146492678	0.1	0.82	0.461276143	5.535031194	6064.08621
235	0.091114781	0.543991688	0.146507636	0.1	0.82	0.461323246	5.535596333	6069.621806
235.2	0.091196728	0.544480946	0.1465226	0.1	0.82	0.461370363	5.536161652	6075.157968
235.4	0.091278684	0.544970255	0.146537568	0.1	0.82	0.461417496	5.536727152	6080.694695
235.6	0.091360648	0.545459613	0.146552542	0.1	0.82	0.461464643	5.537292832	6086.231988
235.8	0.091442621	0.545949022	0.14656752	0.1	0.82	0.461511806	5.537858693	6091.769846
236	0.091524602	0.546438481	0.146582502	0.1	0.82	0.461558983	5.538424736	6097.308271
236.2	0.091606591	0.54692799	0.14659749	0.1	0.82	0.461606176	5.538990959	6102.847262
236.4	0.091688589	0.54741755	0.146612482	0.1	0.82	0.461653384	5.539557363	6108.386819
236.6	0.091770595	0.54790716	0.146627479	0.1	0.82	0.461700607	5.540123949	6113.926943
236.8	0.091852609	0.54839682	0.146642481	0.1	0.82	0.461747845	5.540690715	6119.467634
237	0.091934633	0.54888653	0.146657488	0.1	0.82	0.461795099	5.541257664	6125.008892
237.2	0.092016664	0.549376291	0.1466725	0.1	0.82	0.461842367	5.541824793	6130.550716
237.4	0.092098704	0.549866101	0.146687516	0.1	0.82	0.46188965	5.542392104	6136.093109
237.6	0.092180752	0.550355963	0.146702537	0.1	0.82	0.461936949	5.542959597	6141.636068
237.8	0.092262809	0.550845874	0.146717563	0.1	0.82	0.461984263	5.543527272	6147.179595
238	0.092344874	0.551335836	0.146732594	0.1	0.82	0.462031592	5.544095129	6152.723691
238.2	0.092426948	0.551825849	0.14674763	0.1	0.82	0.462078936	5.544663167	6158.268354
238.4	0.09250903	0.552315912	0.14676267	0.1	0.82	0.462126295	5.545231388	6163.813585
238.6	0.09259112	0.552806025	0.146777715	0.1	0.82	0.46217367	5.545799791	6169.359385
238.8	0.092673219	0.553296189	0.146792765	0.1	0.82	0.462221059	5.546368376	6174.905753
239	0.092755327	0.553786403	0.14680782	0.1	0.82	0.462268464	5.546937143	6180.45269
239.2	0.092837443	0.554276667	0.14682288	0.1	0.82	0.462315884	5.547506093	6186.000197
239.4	0.092919567	0.554766983	0.146837945	0.1	0.82	0.46236332	5.548075225	6191.548272
239.6	0.0930017	0.555257348	0.146853014	0.1	0.82	0.46241077	5.548644541	6197.096916
239.8	0.093083841	0.555747764	0.146868088	0.1	0.82	0.462458236	5.549214038	6202.64613
240	0.093165991	0.556238231	0.146883167	0.1	0.82	0.462505717	5.549783719	6208.195914
240.2	0.093248149	0.556728748	0.146898251	0.1	0.82	0.462553213	5.550353583	6213.746268
240.4	0.093330316	0.557219316	0.14691334	0.1	0.82	0.462600725	5.55092363	6219.297191
240.6	0.093412491	0.557709934	0.146928434	0.1	0.82	0.462648252	5.551493859	6224.848685
240.8	0.093494674	0.558200603	0.146943532	0.1	0.82	0.462695794	5.552064273	6230.400749
241	0.093576866	0.558691323	0.146958635	0.1	0.82	0.462743351	5.552634869	6235.953384
241.2	0.093659067	0.559182093	0.146973744	0.1	0.82	0.462790924	5.553205649	6241.50659

241.4	0.093741276	0.559672914	0.146988857	0.1	0.82	0.462838512	5.553776612	6247.060367
241.6	0.093823494	0.560163786	0.147003975	0.1	0.82	0.462886115	5.55434776	6252.614714
241.8	0.09390572	0.560654708	0.147019097	0.1	0.82	0.462933733	5.554919091	6258.169633
242	0.093987954	0.561145681	0.147034225	0.1	0.82	0.462981367	5.555490605	6263.725124
242.2	0.094070197	0.561636705	0.147049357	0.1	0.82	0.463029017	5.556062304	6269.281186
242.4	0.094152449	0.562127779	0.147064495	0.1	0.82	0.463076681	5.556634187	6274.837821
242.6	0.094234709	0.562618904	0.147079637	0.1	0.82	0.463124361	5.557206254	6280.395027
242.8	0.094316977	0.56311008	0.147094784	0.1	0.82	0.463172056	5.557778505	6285.952805
243	0.094399254	0.563601307	0.147109936	0.1	0.82	0.463219767	5.55835094	6291.511156
243.2	0.09448154	0.564092585	0.147125093	0.1	0.82	0.463267493	5.55892356	6297.07008
243.4	0.094563834	0.564583913	0.147140255	0.1	0.82	0.463315234	5.559496365	6302.629576
243.6	0.094646136	0.565075292	0.147155421	0.1	0.82	0.463362991	5.560069354	6308.189645
243.8	0.094728447	0.565566722	0.147170593	0.1	0.82	0.463410763	5.560642528	6313.750288
244	0.094810767	0.566058203	0.147185769	0.1	0.82	0.463458551	5.561215886	6319.311504
244.2	0.094893095	0.566549735	0.147200951	0.1	0.82	0.463506354	5.56178943	6324.873293
244.4	0.094975432	0.567041317	0.147216137	0.1	0.82	0.463554172	5.562363159	6330.435656
244.6	0.095057777	0.567532951	0.147231328	0.1	0.82	0.463602006	5.562937072	6335.998594
244.8	0.095140131	0.568024636	0.147246524	0.1	0.82	0.463649856	5.563511172	6341.562105
245	0.095222493	0.568516371	0.147261725	0.1	0.82	0.46369772	5.564085456	6347.12619
245.2	0.095304864	0.569008158	0.147276931	0.1	0.82	0.463745601	5.564659926	6352.69085
245.4	0.095387243	0.569499995	0.147292142	0.1	0.82	0.463793496	5.565234581	6358.256085
245.6	0.095469631	0.569991883	0.147307358	0.1	0.82	0.463841407	5.565809422	6363.821894
245.8	0.095552027	0.570483823	0.147322578	0.1	0.82	0.463889334	5.566384449	6369.388279
246	0.095634432	0.570975813	0.147337804	0.1	0.82	0.463937276	5.566959662	6374.955238
246.2	0.095716846	0.571467855	0.147353034	0.1	0.82	0.463985234	5.567535061	6380.522773
246.4	0.095799268	0.571959947	0.14736827	0.1	0.82	0.464033207	5.568110645	6386.090884
246.6	0.095881698	0.572452091	0.14738351	0.1	0.82	0.464081196	5.568686416	6391.65957
246.8	0.095964137	0.572944286	0.147398755	0.1	0.82	0.4641292	5.569262373	6397.228833
247	0.096046585	0.573436532	0.147414005	0.1	0.82	0.46417722	5.569838517	6402.798671
247.2	0.096129041	0.573928829	0.14742926	0.1	0.82	0.464225255	5.570414847	6408.369086
247.4	0.096211506	0.574421177	0.14744452	0.1	0.82	0.464273306	5.570991363	6413.940077
247.6	0.09629398	0.574913576	0.147459785	0.1	0.82	0.464321372	5.571568066	6419.511646
247.8	0.096376462	0.575406027	0.147475055	0.1	0.82	0.464369454	5.572144956	6425.08379
248	0.096458952	0.575898528	0.14749033	0.1	0.82	0.464417551	5.572722033	6430.656513
248.2	0.096541451	0.576391081	0.14750561	0.1	0.82	0.464465665	5.573299297	6436.229812
248.4	0.096623959	0.576883685	0.147520895	0.1	0.82	0.464513793	5.573876747	6441.803689
248.6	0.096706475	0.577376341	0.147536184	0.1	0.82	0.464561938	5.574454385	6447.378143

248.8	0.096789	0.577869047	0.147551479	0.1	0.82	0.464610097	5.575032211	6452.953175
249	0.096871534	0.578361805	0.147566779	0.1	0.82	0.464658273	5.575610223	6458.528785
249.2	0.096954076	0.578854615	0.147582083	0.1	0.82	0.464706464	5.576188423	6464.104974
249.4	0.097036627	0.579347475	0.147597393	0.1	0.82	0.464754671	5.576766811	6469.681741
249.6	0.097119186	0.579840387	0.147612708	0.1	0.82	0.464802893	5.577345386	6475.259086
249.8	0.097201754	0.58033335	0.147628027	0.1	0.82	0.464851131	5.577924149	6480.83701
250	0.09728433	0.580826365	0.147643352	0.1	0.82	0.464899385	5.5785031	6486.415513
250.2	0.097366915	0.581319431	0.147658681	0.1	0.82	0.464947655	5.579082239	6491.994595
250.4	0.097449509	0.581812548	0.147674015	0.1	0.82	0.46499594	5.579661566	6497.574257
250.6	0.097532111	0.582305717	0.147689355	0.1	0.82	0.465044241	5.580241082	6503.154498
250.8	0.097614722	0.582798937	0.147704699	0.1	0.82	0.465092557	5.580820785	6508.735319
251	0.097697342	0.583292209	0.147720049	0.1	0.82	0.465140889	5.581400677	6514.31672
251.2	0.09777997	0.583785532	0.147735403	0.1	0.82	0.465189237	5.581980758	6519.8987
251.4	0.097862607	0.584278906	0.147750762	0.1	0.82	0.465237601	5.582561027	6525.481261
251.6	0.097945252	0.584772333	0.147766127	0.1	0.82	0.46528598	5.583141485	6531.064403
251.8	0.098027906	0.58526581	0.147781496	0.1	0.82	0.465334375	5.583722131	6536.648125
252	0.098110569	0.585759339	0.147796871	0.1	0.82	0.465382786	5.584302967	6542.232428
252.2	0.09819324	0.58625292	0.14781225	0.1	0.82	0.465431213	5.584883991	6547.817312
252.4	0.09827592	0.586746552	0.147827634	0.1	0.82	0.465479655	5.585465205	6553.402777
252.6	0.098358608	0.587240236	0.147843024	0.1	0.82	0.465528113	5.586046608	6558.988824
252.8	0.098441306	0.587733972	0.147858418	0.1	0.82	0.465576587	5.5866282	6564.575452
253	0.098524012	0.588227759	0.147873818	0.1	0.82	0.465625077	5.587209982	6570.162662
253.2	0.098606726	0.588721597	0.147889222	0.1	0.82	0.465673582	5.587791953	6575.750454
253.4	0.098689449	0.589215488	0.147904631	0.1	0.82	0.465722103	5.588374114	6581.338828
253.6	0.098772181	0.58970943	0.147920046	0.1	0.82	0.465770641	5.588956464	6586.927784
253.8	0.098854922	0.590203423	0.147935465	0.1	0.82	0.465819194	5.589539004	6592.517323
254	0.098937671	0.590697469	0.14795089	0.1	0.82	0.465867762	5.590121735	6598.107445
254.2	0.099020428	0.591191566	0.14796632	0.1	0.82	0.465916347	5.590704655	6603.69815
254.4	0.099103195	0.591685715	0.147981754	0.1	0.82	0.465964947	5.591287766	6609.289438
254.6	0.09918597	0.592179915	0.147997194	0.1	0.82	0.466013564	5.591871067	6614.881309
254.8	0.099268754	0.592674168	0.148012638	0.1	0.82	0.466062196	5.592454558	6620.473763
255	0.099351546	0.593168472	0.148028088	0.1	0.82	0.466110844	5.593038239	6626.066801
255.2	0.099434347	0.593662828	0.148043543	0.1	0.82	0.466159508	5.593622112	6631.660424
255.4	0.099517157	0.594157236	0.148059003	0.1	0.82	0.466208188	5.594206175	6637.25463
255.6	0.099599976	0.594651695	0.148074468	0.1	0.82	0.466256884	5.594790428	6642.84942
255.8	0.099682803	0.595146207	0.148089938	0.1	0.82	0.466305595	5.595374873	6648.444795
256	0.099765639	0.59564077	0.148105412	0.1	0.82	0.466354323	5.595959508	6654.040755

256.2	0.099848483	0.596135385	0.148120893	0.1	0.82	0.466403066	5.596544335	6659.637299
256.4	0.099931337	0.596630052	0.148136378	0.1	0.82	0.466451826	5.597129353	6665.234428
256.6	0.100014199	0.597124772	0.148151868	0.1	0.82	0.466500601	5.597714562	6670.832143
256.8	0.100097069	0.597619542	0.148167363	0.1	0.82	0.466549393	5.598299963	6676.430443
257	0.100179949	0.598114365	0.148182863	0.1	0.82	0.4665982	5.598885555	6682.029328
257.2	0.100262837	0.59860924	0.148198369	0.1	0.82	0.466647023	5.599471339	6687.6288
257.4	0.100345734	0.599104167	0.148213879	0.1	0.82	0.466695862	5.600057314	6693.228857
257.6	0.100428639	0.599599146	0.148229395	0.1	0.82	0.466744718	5.600643481	6698.8295
257.8	0.100511553	0.600094177	0.148244915	0.1	0.82	0.466793589	5.601229841	6704.43073
258	0.100594476	0.60058926	0.148260441	0.1	0.82	0.466842476	5.601816392	6710.032547
258.2	0.100677408	0.601084395	0.148275972	0.1	0.82	0.46689138	5.602403135	6715.63495
258.4	0.100760348	0.601579582	0.148291508	0.1	0.82	0.466940299	5.602990071	6721.23794
258.6	0.100843297	0.602074822	0.148307048	0.1	0.82	0.466989234	5.603577199	6726.841517
258.8	0.100926255	0.602570113	0.148322595	0.1	0.82	0.467038186	5.60416452	6732.445682
259	0.101009222	0.603065456	0.148338146	0.1	0.82	0.467087153	5.604752033	6738.050434
259.2	0.101092197	0.603560852	0.148353702	0.1	0.82	0.467136137	5.605339739	6743.655773
259.4	0.101175181	0.6040563	0.148369263	0.1	0.82	0.467185136	5.605927637	6749.261701
259.6	0.101258174	0.6045518	0.14838483	0.1	0.82	0.467234152	5.606515729	6754.868217
259.8	0.101341175	0.605047352	0.148400401	0.1	0.82	0.467283184	5.607104013	6760.475321
260	0.101424185	0.605542956	0.148415978	0.1	0.82	0.467332231	5.607692491	6766.083013
260.2	0.101507204	0.606038613	0.14843156	0.1	0.82	0.467381295	5.608281162	6771.691294
260.4	0.101590232	0.606534321	0.148447147	0.1	0.82	0.467430376	5.608870026	6777.300164
260.6	0.101673269	0.607030083	0.148462739	0.1	0.82	0.467479472	5.609459083	6782.909624
260.8	0.101756314	0.607525896	0.148478336	0.1	0.82	0.467528584	5.610048335	6788.519672
261	0.101839368	0.608021762	0.148493938	0.1	0.82	0.467577713	5.610637779	6794.13031
261.2	0.101922431	0.60851768	0.148509546	0.1	0.82	0.467626857	5.611227418	6799.741537
261.4	0.102005502	0.60901365	0.148525158	0.1	0.82	0.467676018	5.61181725	6805.353354
261.6	0.102088582	0.609509673	0.148540776	0.1	0.82	0.467725195	5.612407276	6810.965762
261.8	0.102171672	0.610005748	0.148556399	0.1	0.82	0.467774388	5.612997497	6816.578759
262	0.102254769	0.610501875	0.148572027	0.1	0.82	0.467823597	5.613587911	6822.192347
262.2	0.102337876	0.610998055	0.14858766	0.1	0.82	0.467872823	5.61417852	6827.806526
262.4	0.102420991	0.611494287	0.148603298	0.1	0.82	0.467922064	5.614769323	6833.421295
262.6	0.102504116	0.611990572	0.148618941	0.1	0.82	0.467971322	5.615360321	6839.036655
262.8	0.102587249	0.612486909	0.14863459	0.1	0.82	0.468020597	5.615951514	6844.652607
263	0.10267039	0.612983298	0.148650244	0.1	0.82	0.468069887	5.616542901	6850.26915
263.2	0.102753541	0.613479741	0.148665902	0.1	0.82	0.468119194	5.617134482	6855.886284
263.4	0.1028367	0.613976235	0.148681566	0.1	0.82	0.468168516	5.617726259	6861.50401

263.6	0.102919868	0.614472782	0.148697236	0.1	0.82	0.468217855	5.618318231	6867.122329
263.8	0.103003045	0.614969382	0.14871291	0.1	0.82	0.468267211	5.618910398	6872.741239
264	0.103086231	0.615466034	0.148728589	0.1	0.82	0.468316583	5.61950276	6878.360742
264.2	0.103169426	0.615962739	0.148744274	0.1	0.82	0.46836597	5.620095318	6883.980837
264.4	0.103252629	0.616459496	0.148759964	0.1	0.82	0.468415375	5.620688071	6889.601525
264.6	0.103335841	0.616956306	0.148775659	0.1	0.82	0.468464795	5.62128102	6895.222806
264.8	0.103419062	0.617453169	0.148791359	0.1	0.82	0.468514232	5.621874164	6900.84468
265	0.103502292	0.617950084	0.148807065	0.1	0.82	0.468563685	5.622467504	6906.467148
265.2	0.103585531	0.618447052	0.148822775	0.1	0.82	0.468613155	5.62306104	6912.090209
265.4	0.103668778	0.618944073	0.148838491	0.1	0.82	0.468662641	5.623654772	6917.713864
265.6	0.103752034	0.619441146	0.148854212	0.1	0.82	0.468712143	5.624248701	6923.338112
265.8	0.1038353	0.619938272	0.148869938	0.1	0.82	0.468761661	5.624842825	6928.962955
266	0.103918573	0.620435451	0.14888567	0.1	0.82	0.468811196	5.625437146	6934.588392
266.2	0.104001856	0.620932683	0.148901406	0.1	0.82	0.468860748	5.626031663	6940.214424
266.4	0.104085148	0.621429967	0.148917148	0.1	0.82	0.468910315	5.626626377	6945.84105
266.6	0.104168448	0.621927304	0.148932895	0.1	0.82	0.468959899	5.627221287	6951.468272
266.8	0.104251758	0.622424694	0.148948647	0.1	0.82	0.4690095	5.627816394	6957.096088
267	0.104335076	0.622922137	0.148964404	0.1	0.82	0.469059117	5.628411698	6962.7245
267.2	0.104418403	0.623419632	0.148980167	0.1	0.82	0.46910875	5.6290072	6968.353507
267.4	0.104501739	0.623917181	0.148995935	0.1	0.82	0.4691584	5.629602898	6973.98311
267.6	0.104585083	0.624414782	0.149011708	0.1	0.82	0.469208066	5.630198793	6979.613309
267.8	0.104668437	0.624912436	0.149027486	0.1	0.82	0.469257748	5.630794886	6985.244103
268	0.104751799	0.625410143	0.14904327	0.1	0.82	0.469307448	5.631391176	6990.875495
268.2	0.104835171	0.625907903	0.149059058	0.1	0.82	0.469357163	5.631987664	6996.507482
268.4	0.104918551	0.626405716	0.149074852	0.1	0.82	0.469406895	5.632584349	7002.140067
268.6	0.10500194	0.626903582	0.149090652	0.1	0.82	0.469456644	5.633181232	7007.773248
268.8	0.105085338	0.627401501	0.149106456	0.1	0.82	0.469506409	5.633778313	7013.407026
269	0.105168745	0.627899473	0.149122266	0.1	0.82	0.46955619	5.634375592	7019.041402
269.2	0.10525216	0.628397498	0.149138081	0.1	0.82	0.469605988	5.634973069	7024.676375
269.4	0.105335585	0.628895575	0.149153901	0.1	0.82	0.469655803	5.635570745	7030.311946
269.6	0.105419018	0.629393706	0.149169726	0.1	0.82	0.469705634	5.636168618	7035.948114
269.8	0.105502461	0.629891891	0.149185557	0.1	0.82	0.469755481	5.63676669	7041.584881
270	0.105585912	0.630390128	0.149201393	0.1	0.82	0.469805345	5.637364961	7047.222246
270.2	0.105669372	0.630888418	0.149217234	0.1	0.82	0.469855226	5.63796343	7052.860209
270.4	0.105752841	0.631386761	0.14923308	0.1	0.82	0.469905123	5.638562098	7058.498771
270.6	0.105836319	0.631885158	0.149248932	0.1	0.82	0.469955037	5.639160965	7064.137932
270.8	0.105919806	0.632383607	0.149264789	0.1	0.82	0.470004968	5.639760031	7069.777692

271	0.106003301	0.63288211	0.149280651	0.1	0.82	0.470054915	5.640359296	7075.418052
271.2	0.106086806	0.633380666	0.149296519	0.1	0.82	0.470104878	5.64095876	7081.05901
271.4	0.106170319	0.633879275	0.149312392	0.1	0.82	0.470154859	5.641558423	7086.700569
271.6	0.106253842	0.634377938	0.14932827	0.1	0.82	0.470204856	5.642158286	7092.342727
271.8	0.106337373	0.634876654	0.149344153	0.1	0.82	0.470254869	5.642758349	7097.985486
272	0.106420914	0.635375423	0.149360042	0.1	0.82	0.470304899	5.643358611	7103.628844
272.2	0.106504463	0.635874245	0.149375936	0.1	0.82	0.470354946	5.643959073	7109.272803
272.4	0.106588021	0.63637312	0.149391835	0.1	0.82	0.47040501	5.644559734	7114.917363
272.6	0.106671588	0.636872049	0.149407739	0.1	0.82	0.47045509	5.645160596	7120.562524
272.8	0.106755164	0.637371031	0.149423649	0.1	0.82	0.470505187	5.645761658	7126.208285
273	0.106838749	0.637870067	0.149439564	0.1	0.82	0.4705553	5.64636292	7131.854648
273.2	0.106922343	0.638369156	0.149455485	0.1	0.82	0.47060543	5.646964382	7137.501613
273.4	0.107005946	0.638868298	0.14947141	0.1	0.82	0.470655577	5.647566045	7143.149179
273.6	0.107089557	0.639367494	0.149487341	0.1	0.82	0.470705741	5.648167908	7148.797346
273.8	0.107173178	0.639866743	0.149503278	0.1	0.82	0.470755921	5.648769972	7154.446116
274	0.107256808	0.640366046	0.149519219	0.1	0.82	0.470806118	5.649372237	7160.095489
274.2	0.107340446	0.640865402	0.149535166	0.1	0.82	0.470856332	5.649974702	7165.745463
274.4	0.107424094	0.641364811	0.149551119	0.1	0.82	0.470906563	5.650577369	7171.396041
274.6	0.107507751	0.641864274	0.149567076	0.1	0.82	0.47095681	5.651180237	7177.047221
274.8	0.107591416	0.642363791	0.149583039	0.1	0.82	0.471007074	5.651783305	7182.699004
275	0.107675091	0.642863361	0.149599008	0.1	0.82	0.471057355	5.652386576	7188.351391
275.2	0.107758774	0.643362984	0.149614981	0.1	0.82	0.471107653	5.652990047	7194.004381
275.4	0.107842466	0.643862661	0.14963096	0.1	0.82	0.471157967	5.653593721	7199.657975
275.6	0.107926168	0.644362392	0.149646944	0.1	0.82	0.471208299	5.654197596	7205.312172
275.8	0.108009878	0.644862176	0.149662934	0.1	0.82	0.471258647	5.654801672	7210.966974
276	0.108093597	0.645362014	0.149678929	0.1	0.82	0.471309012	5.655405951	7216.62238
276.2	0.108177326	0.645861906	0.149694929	0.1	0.82	0.471359394	5.656010432	7222.27839
276.4	0.108261063	0.646361851	0.149710935	0.1	0.82	0.471409792	5.656615114	7227.935005
276.6	0.108344809	0.64686185	0.149726946	0.1	0.82	0.471460208	5.657219999	7233.592225
276.8	0.108428565	0.647361903	0.149742962	0.1	0.82	0.47151064	5.657825087	7239.25005
277	0.108512329	0.647862009	0.149758984	0.1	0.82	0.471561089	5.658430376	7244.908481
277.2	0.108596102	0.648362169	0.149775011	0.1	0.82	0.471611555	5.659035869	7250.567517
277.4	0.108679885	0.648862383	0.149791044	0.1	0.82	0.471662039	5.659641564	7256.227158
277.6	0.108763676	0.649362651	0.149807082	0.1	0.82	0.471712538	5.660247462	7261.887406
277.8	0.108847476	0.649862972	0.149823125	0.1	0.82	0.471763055	5.660853563	7267.548259
278	0.108931286	0.650363347	0.149839173	0.1	0.82	0.471813589	5.661459866	7273.209719
278.2	0.109015104	0.650863776	0.149855227	0.1	0.82	0.47186414	5.662066373	7278.871786

278.4	0.109098931	0.651364259	0.149871287	0.1	0.82	0.471914707	5.662673084	7284.534459
278.6	0.109182768	0.651864796	0.149887351	0.1	0.82	0.471965292	5.663279997	7290.197739
278.8	0.109266613	0.652365386	0.149903422	0.1	0.82	0.472015894	5.663887114	7295.861626
279	0.109350467	0.652866031	0.149919497	0.1	0.82	0.472066512	5.664494435	7301.52612
279.2	0.109434331	0.653366729	0.149935578	0.1	0.82	0.472117148	5.66510196	7307.191222
279.4	0.109518203	0.653867481	0.149951664	0.1	0.82	0.4721678	5.665709688	7312.856932
279.6	0.109602085	0.654368287	0.149967756	0.1	0.82	0.47221847	5.66631762	7318.523249
279.8	0.109685975	0.654869148	0.149983853	0.1	0.82	0.472269156	5.666925757	7324.190175
280	0.109769875	0.655370062	0.149999955	0.1	0.82	0.47231986	5.667534097	7329.857709
280.2	0.109853784	0.65587103	0.150016063	0.1	0.82	0.47237058	5.668142642	7335.525852
280.4	0.109937701	0.656372052	0.150032177	0.1	0.82	0.472421318	5.668751391	7341.194603
280.6	0.110021628	0.656873128	0.150048295	0.1	0.82	0.472472073	5.669360345	7346.863964
280.8	0.110105564	0.657374259	0.15006442	0.1	0.82	0.472522844	5.669969503	7352.533933
281	0.110189509	0.657875443	0.150080549	0.1	0.82	0.472573633	5.670578867	7358.204512
281.2	0.110273463	0.658376681	0.150096684	0.1	0.82	0.472624439	5.671188435	7363.8757
281.4	0.110357426	0.658877974	0.150112825	0.1	0.82	0.472675262	5.671798208	7369.547499
281.6	0.110441398	0.659379321	0.15012897	0.1	0.82	0.472726102	5.672408186	7375.219907
281.8	0.110525379	0.659880721	0.150145122	0.1	0.82	0.472776959	5.673018369	7380.892925
282	0.110609369	0.660382176	0.150161278	0.1	0.82	0.472827834	5.673628758	7386.566554
282.2	0.110693368	0.660883686	0.150177441	0.1	0.82	0.472878725	5.674239352	7392.240793
282.4	0.110777377	0.661385249	0.150193608	0.1	0.82	0.472929634	5.674850152	7397.915644
282.6	0.110861394	0.661886867	0.150209781	0.1	0.82	0.472980559	5.675461157	7403.591105
282.8	0.11094542	0.662388538	0.15022596	0.1	0.82	0.473031502	5.676072368	7409.267177
283	0.111029456	0.662890264	0.150242144	0.1	0.82	0.473082462	5.676683786	7414.943861
283.2	0.111113501	0.663392045	0.150258333	0.1	0.82	0.473133439	5.677295409	7420.621156
283.4	0.111197555	0.66389388	0.150274528	0.1	0.82	0.473184434	5.677907238	7426.299063
283.6	0.111281617	0.664395768	0.150290728	0.1	0.82	0.473235445	5.678519274	7431.977583
283.8	0.111365689	0.664897712	0.150306934	0.1	0.82	0.473286474	5.679131516	7437.656714
284	0.11144977	0.665399709	0.150323145	0.1	0.82	0.47333752	5.679743964	7443.336458
284.2	0.111533861	0.665901761	0.150339362	0.1	0.82	0.473388583	5.68035662	7449.016815
284.4	0.11161796	0.666403868	0.150355584	0.1	0.82	0.473439664	5.680969481	7454.697784
284.6	0.111702068	0.666906029	0.150371812	0.1	0.82	0.473490761	5.68158255	7460.379367
284.8	0.111786186	0.667408244	0.150388045	0.1	0.82	0.473541876	5.682195826	7466.061563
285	0.111870312	0.667910514	0.150404284	0.1	0.82	0.473593008	5.682809309	7471.744372
285.2	0.111954448	0.668412838	0.150420528	0.1	0.82	0.473644158	5.683422999	7477.427795
285.4	0.112038593	0.668915216	0.150436777	0.1	0.82	0.473695325	5.684036896	7483.111832
285.6	0.112122747	0.669417649	0.150453033	0.1	0.82	0.473746509	5.684651001	7488.796483

285.8	0.11220691	0.669920137	0.150469293	0.1	0.82	0.47379771	5.685265313	7494.481748
286	0.112291083	0.670422679	0.150485559	0.1	0.82	0.473848929	5.685879833	7500.167628
286.2	0.112375264	0.670925276	0.150501831	0.1	0.82	0.473900165	5.686494561	7505.854123
286.4	0.112459454	0.671427927	0.150518108	0.1	0.82	0.473951418	5.687109497	7511.541232
286.6	0.112543654	0.671930633	0.15053439	0.1	0.82	0.474002689	5.687724641	7517.228957
286.8	0.112627863	0.672433393	0.150550679	0.1	0.82	0.474053977	5.688339993	7522.917297
287	0.112712081	0.672936208	0.150566972	0.1	0.82	0.474105282	5.688955553	7528.606252
287.2	0.112796308	0.673439078	0.150583271	0.1	0.82	0.474156605	5.689571321	7534.295824
287.4	0.112880544	0.673942003	0.150599576	0.1	0.82	0.474207945	5.690187298	7539.986011
287.6	0.11296479	0.674444982	0.150615886	0.1	0.82	0.474259302	5.690803484	7545.676814
287.8	0.113049045	0.674948015	0.150632202	0.1	0.82	0.474310677	5.691419879	7551.368234
288	0.113133308	0.675451104	0.150648523	0.1	0.82	0.47436207	5.692036482	7557.060271
288.2	0.113217581	0.675954247	0.15066485	0.1	0.82	0.474413479	5.692653294	7562.752924
288.4	0.113301863	0.676457445	0.150681182	0.1	0.82	0.474464907	5.693270316	7568.446194
288.6	0.113386155	0.676960698	0.15069752	0.1	0.82	0.474516351	5.693887546	7574.140082
288.8	0.113470455	0.677464005	0.150713863	0.1	0.82	0.474567813	5.694504986	7579.834587
289	0.113554765	0.677967368	0.150730212	0.1	0.82	0.474619293	5.695122636	7585.52971
289.2	0.113639084	0.678470785	0.150746567	0.1	0.82	0.47467079	5.695740495	7591.22545
289.4	0.113723412	0.678974257	0.150762927	0.1	0.82	0.474722304	5.696358564	7596.921809
289.6	0.113807749	0.679477784	0.150779292	0.1	0.82	0.474773836	5.696976842	7602.618785
289.8	0.113892095	0.679981366	0.150795664	0.1	0.82	0.474825386	5.697595331	7608.316381
290	0.113976451	0.680485003	0.15081204	0.1	0.82	0.474876953	5.698214029	7614.014595
290.2	0.114060816	0.680988694	0.150828423	0.1	0.82	0.474928537	5.698832938	7619.713428
290.4	0.11414519	0.681492441	0.15084481	0.1	0.82	0.474980139	5.699452057	7625.41288
290.6	0.114229573	0.681996242	0.150861204	0.1	0.82	0.475031759	5.700071387	7631.112951
290.8	0.114313965	0.682500099	0.150877603	0.1	0.82	0.475083396	5.700690927	7636.813642
291	0.114398367	0.68300401	0.150894007	0.1	0.82	0.47513505	5.701310677	7642.514953
291.2	0.114482778	0.683507977	0.150910418	0.1	0.82	0.475186723	5.701930639	7648.216883
291.4	0.114567198	0.684011998	0.150926833	0.1	0.82	0.475238412	5.702550811	7653.919434
291.6	0.114651627	0.684516075	0.150943255	0.1	0.82	0.47529012	5.703171194	7659.622605
291.8	0.114736066	0.685020207	0.150959681	0.1	0.82	0.475341845	5.703791789	7665.326397
292	0.114820513	0.685524393	0.150976114	0.1	0.82	0.475393588	5.704412595	7671.03081
292.2	0.11490497	0.686028635	0.150992552	0.1	0.82	0.475445348	5.705033612	7676.735843
292.4	0.114989437	0.686532932	0.151008996	0.1	0.82	0.475497126	5.70565484	7682.441498
292.6	0.115073912	0.687037285	0.151025445	0.1	0.82	0.475548921	5.706276281	7688.147775
292.8	0.115158397	0.687541692	0.1510419	0.1	0.82	0.475600734	5.706897933	7693.854672
293	0.115242891	0.688046154	0.15105836	0.1	0.82	0.475652565	5.707519797	7699.562192

293.2	0.115327394	0.688550672	0.151074826	0.1	0.82	0.475704414	5.708141872	7705.270334
293.4	0.115411906	0.689055245	0.151091298	0.1	0.82	0.47575628	5.70876416	7710.979098
293.6	0.115496428	0.689559873	0.151107776	0.1	0.82	0.475808164	5.709386661	7716.688485
293.8	0.115580959	0.690064557	0.151124259	0.1	0.82	0.475860065	5.710009373	7722.398494
294	0.115665499	0.690569296	0.151140747	0.1	0.82	0.475911984	5.710632298	7728.109127
294.2	0.115750049	0.69107409	0.151157241	0.1	0.82	0.475963921	5.711255436	7733.820382
294.4	0.115834607	0.691578939	0.151173741	0.1	0.82	0.476015876	5.711878786	7739.532261
294.6	0.115919175	0.692083844	0.151190247	0.1	0.82	0.476067849	5.712502349	7745.244763
294.8	0.116003752	0.692588804	0.151206758	0.1	0.82	0.476119839	5.713126126	7750.957889
295	0.116088339	0.693093819	0.151223275	0.1	0.82	0.476171847	5.713750115	7756.671639
295.2	0.116172935	0.69359889	0.151239797	0.1	0.82	0.476223873	5.714374317	7762.386014
295.4	0.11625754	0.694104016	0.151256325	0.1	0.82	0.476275916	5.714998733	7768.101013
295.6	0.116342154	0.694609198	0.151272859	0.1	0.82	0.476327978	5.715623362	7773.816636
295.8	0.116426778	0.695114435	0.151289398	0.1	0.82	0.476380057	5.716248205	7779.532884
296	0.116511411	0.695619728	0.151305943	0.1	0.82	0.476432154	5.716873262	7785.249757
296.2	0.116596053	0.696125076	0.151322494	0.1	0.82	0.476484268	5.717498532	7790.967256
296.4	0.116680705	0.69663048	0.15133905	0.1	0.82	0.476536401	5.718124016	7796.68538
296.6	0.116765366	0.697135939	0.151355612	0.1	0.82	0.476588551	5.718749715	7802.40413
296.8	0.116850036	0.697641453	0.15137218	0.1	0.82	0.47664072	5.719375627	7808.123505
297	0.116934715	0.698147024	0.151388753	0.1	0.82	0.476692906	5.720001754	7813.843507
297.2	0.117019404	0.69865265	0.151405332	0.1	0.82	0.47674511	5.720628095	7819.564135
297.4	0.117104102	0.699158331	0.151421917	0.1	0.82	0.476797332	5.721254651	7825.28539
297.6	0.117188809	0.699664068	0.151438507	0.1	0.82	0.476849572	5.721881422	7831.007271
297.8	0.117273526	0.700169861	0.151455103	0.1	0.82	0.476901829	5.722508407	7836.72978
298	0.117358252	0.700675709	0.151471705	0.1	0.82	0.476954105	5.723135607	7842.452915
298.2	0.117442988	0.701181613	0.151488313	0.1	0.82	0.477006399	5.723763023	7848.176678
298.4	0.117527732	0.701687573	0.151504926	0.1	0.82	0.47705871	5.724390653	7853.901069
298.6	0.117612486	0.702193589	0.151521545	0.1	0.82	0.47711104	5.725018499	7859.626087
298.8	0.11769725	0.70269966	0.151538169	0.1	0.82	0.477163387	5.72564656	7865.351734
299	0.117782022	0.703205787	0.151554799	0.1	0.82	0.477215752	5.726274837	7871.078009
299.2	0.117866804	0.70371197	0.151571435	0.1	0.82	0.477268136	5.726903329	7876.804912
299.4	0.117951596	0.704218208	0.151588077	0.1	0.82	0.477320537	5.727532038	7882.532444
299.6	0.118036397	0.704724502	0.151604724	0.1	0.82	0.477372956	5.728160962	7888.260605
299.8	0.118121207	0.705230853	0.151621378	0.1	0.82	0.477425394	5.728790102	7893.989395
300	0.118206026	0.705737259	0.151638036	0.1	0.82	0.477477849	5.729419458	7899.718815
300.2	0.118290855	0.706243721	0.151654701	0.1	0.82	0.477530323	5.730049031	7905.448864
300.4	0.118375693	0.706750239	0.151671371	0.1	0.82	0.477582814	5.73067882	7911.179542

300.6	0.118460541	0.707256812	0.151688047	0.1	0.82	0.477635324	5.731308826	7916.910851
300.8	0.118545398	0.707763442	0.151704729	0.1	0.82	0.477687851	5.731939048	7922.64279
301	0.118630264	0.708270128	0.151721417	0.1	0.82	0.477740397	5.732569487	7928.37536
301.2	0.11871514	0.708776869	0.15173811	0.1	0.82	0.47779296	5.733200144	7934.10856
301.4	0.118800025	0.709283667	0.151754809	0.1	0.82	0.477845542	5.733831017	7939.842391
301.6	0.118884919	0.70979052	0.151771514	0.1	0.82	0.477898142	5.734462107	7945.576853
301.8	0.118969823	0.71029743	0.151788224	0.1	0.82	0.47795076	5.735093415	7951.311947
302	0.119054736	0.710804396	0.15180494	0.1	0.82	0.478003396	5.73572494	7957.047671
302.2	0.119139659	0.711311417	0.151821662	0.1	0.82	0.478056051	5.736356682	7962.784028
302.4	0.119224591	0.711818495	0.15183839	0.1	0.82	0.478108723	5.736988642	7968.521017
302.6	0.119309532	0.712325629	0.151855124	0.1	0.82	0.478161414	5.737620821	7974.258638
302.8	0.119394483	0.712832819	0.151871863	0.1	0.82	0.478214122	5.738253217	7979.996891
303	0.119479443	0.713340066	0.151888608	0.1	0.82	0.478266849	5.738885831	7985.735777
303.2	0.119564412	0.713847368	0.151905359	0.1	0.82	0.478319594	5.739518663	7991.475295
303.4	0.119649391	0.714354726	0.151922116	0.1	0.82	0.478372358	5.740151713	7997.215447
303.6	0.11973438	0.714862141	0.151938878	0.1	0.82	0.478425139	5.740784982	8002.956232
303.8	0.119819378	0.715369612	0.151955646	0.1	0.82	0.478477939	5.74141847	8008.69765
304	0.119904385	0.715877139	0.15197242	0.1	0.82	0.478530757	5.742052176	8014.439703
304.2	0.119989402	0.716384723	0.1519892	0.1	0.82	0.478583593	5.742686101	8020.182389
304.4	0.120074428	0.716892363	0.152005986	0.1	0.82	0.478636448	5.743320245	8025.925709
304.6	0.120159463	0.717400059	0.152022777	0.1	0.82	0.47868932	5.743954608	8031.669664
304.8	0.120244508	0.717907811	0.152039574	0.1	0.82	0.478742211	5.74458919	8037.414253
305	0.120329562	0.71841562	0.152056377	0.1	0.82	0.478795121	5.745223992	8043.159477
305.2	0.120414626	0.718923485	0.152073186	0.1	0.82	0.478848048	5.745859013	8048.905336
305.4	0.1204997	0.719431406	0.152090001	0.1	0.82	0.478900994	5.746494254	8054.65183
305.6	0.120584782	0.719939384	0.152106821	0.1	0.82	0.478953958	5.747129714	8060.39896
305.8	0.120669874	0.720447419	0.152123647	0.1	0.82	0.479006941	5.747765394	8066.146725
306	0.120754976	0.720955509	0.152140479	0.1	0.82	0.479059942	5.748401294	8071.895126
306.2	0.120840087	0.721463657	0.152157317	0.1	0.82	0.479112961	5.749037415	8077.644164
306.4	0.120925208	0.72197186	0.152174161	0.1	0.82	0.479165998	5.749673755	8083.393838
306.6	0.121010338	0.72248012	0.152191011	0.1	0.82	0.479219054	5.750310316	8089.144148
306.8	0.121095477	0.722988437	0.152207866	0.1	0.82	0.479272129	5.750947097	8094.895095
307	0.121180626	0.72349681	0.152224727	0.1	0.82	0.479325221	5.751584099	8100.646679
307.2	0.121265785	0.72400524	0.152241594	0.1	0.82	0.479378332	5.752221322	8106.3989
307.4	0.121350952	0.724513726	0.152258467	0.1	0.82	0.479431462	5.752858765	8112.151759
307.6	0.12143613	0.725022269	0.152275346	0.1	0.82	0.47948461	5.753496429	8117.905256
307.8	0.121521317	0.725530869	0.152292231	0.1	0.82	0.479537776	5.754134315	8123.65939

308	0.121606513	0.726039525	0.152309121	0.1	0.82	0.479590961	5.754772422	8129.414162
308.2	0.121691719	0.726548238	0.152326018	0.1	0.82	0.479644164	5.75541075	8135.169573
308.4	0.121776934	0.727057007	0.15234292	0.1	0.82	0.479697386	5.7560493	8140.925622
308.6	0.121862159	0.727565834	0.152359828	0.1	0.82	0.479750626	5.756688071	8146.682311
308.8	0.121947393	0.728074717	0.152376742	0.1	0.82	0.479803885	5.757327064	8152.439638
309	0.122032637	0.728583656	0.152393662	0.1	0.82	0.479857162	5.757966279	8158.197604
309.2	0.12211789	0.729092653	0.152410587	0.1	0.82	0.479910458	5.758605716	8163.95621
309.4	0.122203153	0.729601706	0.152427519	0.1	0.82	0.479963772	5.759245375	8169.715455
309.6	0.122288426	0.730110816	0.152444456	0.1	0.82	0.480017104	5.759885257	8175.47534
309.8	0.122373707	0.730619983	0.1524614	0.1	0.82	0.480070456	5.760525361	8181.235866
310	0.122458999	0.731129206	0.152478349	0.1	0.82	0.480123825	5.761165687	8186.997031
310.2	0.1225443	0.731638487	0.152495304	0.1	0.82	0.480177214	5.761806236	8192.758837
310.4	0.12262961	0.732147824	0.152512265	0.1	0.82	0.480230621	5.762447008	8198.521284
310.6	0.12271493	0.732657218	0.152529232	0.1	0.82	0.480284046	5.763088003	8204.284372
310.8	0.12280026	0.733166669	0.152546205	0.1	0.82	0.48033749	5.763729221	8210.048102
311	0.122885599	0.733676178	0.152563184	0.1	0.82	0.480390953	5.764370662	8215.812472
311.2	0.122970947	0.734185743	0.152580168	0.1	0.82	0.480444435	5.765012326	8221.577485
311.4	0.123056305	0.734695365	0.152597159	0.1	0.82	0.480497934	5.765654214	8227.343139
311.6	0.123141673	0.735205044	0.152614156	0.1	0.82	0.480551453	5.766296325	8233.109435
311.8	0.12322705	0.73571478	0.152631158	0.1	0.82	0.48060499	5.76693866	8238.876374
312	0.123312437	0.736224573	0.152648166	0.1	0.82	0.480658546	5.767581219	8244.643955
312.2	0.123397833	0.736734423	0.152665181	0.1	0.82	0.480712121	5.768224002	8250.412179
312.4	0.123483239	0.73724433	0.152682201	0.1	0.82	0.480765714	5.76886701	8256.181046
312.6	0.123568654	0.737754294	0.152699227	0.1	0.82	0.480819326	5.769510241	8261.950556
312.8	0.123654079	0.738264316	0.152716259	0.1	0.82	0.480872957	5.770153697	8267.72071
313	0.123739514	0.738774394	0.152733297	0.1	0.82	0.480926606	5.770797377	8273.491507
313.2	0.123824958	0.73928453	0.152750341	0.1	0.82	0.480980274	5.771441282	8279.262949
313.4	0.123910412	0.739794722	0.152767391	0.1	0.82	0.481033961	5.772085411	8285.035034
313.6	0.123995875	0.740304973	0.152784447	0.1	0.82	0.481087667	5.772729766	8290.807764
313.8	0.124081348	0.74081528	0.152801509	0.1	0.82	0.481141391	5.773374345	8296.581138
314	0.12416683	0.741325644	0.152818577	0.1	0.82	0.481195134	5.77401915	8302.355157
314.2	0.124252322	0.741836066	0.15283565	0.1	0.82	0.481248896	5.77466418	8308.129822
314.4	0.124337824	0.742346545	0.15285273	0.1	0.82	0.481302677	5.775309435	8313.905131
314.6	0.124423335	0.742857081	0.152869816	0.1	0.82	0.481356476	5.775954916	8319.681086
314.8	0.124508856	0.743367675	0.152886908	0.1	0.82	0.481410294	5.776600623	8325.457687
315	0.124594387	0.743878326	0.152904005	0.1	0.82	0.481464132	5.777246555	8331.234933
315.2	0.124679927	0.744389034	0.152921109	0.1	0.82	0.481517987	5.777892714	8337.012826

315.4	0.124765476	0.7448998	0.152938218	0.1	0.82	0.481571862	5.778539098	8342.791365
315.6	0.124851036	0.745410623	0.152955334	0.1	0.82	0.481625756	5.779185709	8348.570551
315.8	0.124936604	0.745921503	0.152972456	0.1	0.82	0.481679668	5.779832546	8354.350383
316	0.125022183	0.746432441	0.152989583	0.1	0.82	0.4817336	5.78047961	8360.130863
316.2	0.125107771	0.746943436	0.153006717	0.1	0.82	0.48178755	5.7811269	8365.91199
316.4	0.125193369	0.747454489	0.153023857	0.1	0.82	0.481841519	5.781774417	8371.693764
316.6	0.125278976	0.747965599	0.153041002	0.1	0.82	0.481895507	5.782422161	8377.476186
316.8	0.125364593	0.748476767	0.153058154	0.1	0.82	0.481949515	5.783070132	8383.259256
317	0.12545022	0.748987993	0.153075311	0.1	0.82	0.48200354	5.78371833	8389.042975
317.2	0.125535856	0.749499275	0.153092475	0.1	0.82	0.482057585	5.784366755	8394.827341
317.4	0.125621502	0.750010616	0.153109645	0.1	0.82	0.482111649	5.785015408	8400.612357
317.6	0.125707158	0.750522014	0.15312682	0.1	0.82	0.482165732	5.785664288	8406.398021
317.8	0.125792823	0.75103347	0.153144002	0.1	0.82	0.482219834	5.786313396	8412.184335
318	0.125878498	0.751544983	0.15316119	0.1	0.82	0.482273955	5.786962732	8417.971297
318.2	0.125964182	0.752056554	0.153178384	0.1	0.82	0.482328095	5.787612296	8423.75891
318.4	0.126049877	0.752568183	0.153195584	0.1	0.82	0.482382253	5.788262088	8429.547172
318.6	0.12613558	0.753079869	0.153212789	0.1	0.82	0.482436431	5.788912108	8435.336084
318.8	0.126221294	0.753591613	0.153230001	0.1	0.82	0.482490628	5.789562357	8441.125646
319	0.126307017	0.754103415	0.153247219	0.1	0.82	0.482544844	5.790212834	8446.915859
319.2	0.12639275	0.754615274	0.153264443	0.1	0.82	0.482599079	5.790863539	8452.706723
319.4	0.126478493	0.755127192	0.153281673	0.1	0.82	0.482653333	5.791514474	8458.498237
319.6	0.126564245	0.755639167	0.15329891	0.1	0.82	0.482707606	5.792165637	8464.290403
319.8	0.126650007	0.7561512	0.153316152	0.1	0.82	0.482761899	5.792817029	8470.08322
320	0.126735778	0.756663291	0.1533334	0.1	0.82	0.48281621	5.793468651	8475.876688
320.2	0.12682156	0.757175439	0.153350654	0.1	0.82	0.48287054	5.794120502	8481.670809
320.4	0.126907351	0.757687646	0.153367915	0.1	0.82	0.48292489	5.794772582	8487.465581
320.6	0.126993151	0.75819991	0.153385181	0.1	0.82	0.482979259	5.795424892	8493.261006
320.8	0.127078962	0.758712233	0.153402454	0.1	0.82	0.483033647	5.796077432	8499.057084
321	0.127164782	0.759224613	0.153419732	0.1	0.82	0.483088054	5.796730201	8504.853814
321.2	0.127250612	0.759737051	0.153437017	0.1	0.82	0.48314248	5.7973832	8510.651197
321.4	0.127336451	0.760249547	0.153454308	0.1	0.82	0.483196925	5.79803643	8516.449234
321.6	0.1274223	0.760762102	0.153471605	0.1	0.82	0.48325139	5.79868989	8522.247923
321.8	0.127508159	0.761274714	0.153488908	0.1	0.82	0.483305874	5.79934358	8528.047267
322	0.127594028	0.761787384	0.153506217	0.1	0.82	0.483360377	5.799997501	8533.847265
322.2	0.127679906	0.762300113	0.153523532	0.1	0.82	0.483414899	5.800651652	8539.647916
322.4	0.127765794	0.762812899	0.153540854	0.1	0.82	0.48346944	5.801306035	8545.449222
322.6	0.127851692	0.763325744	0.153558181	0.1	0.82	0.483524001	5.801960648	8551.251183

322.8	0.1279376	0.763838646	0.153575515	0.1	0.82	0.483578581	5.802615492	8557.053798
323	0.128023517	0.764351607	0.153592855	0.1	0.82	0.48363318	5.803270568	8562.857069
323.2	0.128109444	0.764864626	0.1536102	0.1	0.82	0.483687799	5.803925874	8568.660995
323.4	0.128195381	0.765377704	0.153627552	0.1	0.82	0.483742437	5.804581413	8574.465576
323.6	0.128281328	0.765890839	0.15364491	0.1	0.82	0.483797094	5.805237183	8580.270813
323.8	0.128367284	0.766404033	0.153662275	0.1	0.82	0.48385177	5.805893185	8586.076707
324	0.12845325	0.766917284	0.153679645	0.1	0.82	0.483906466	5.806549418	8591.883256
324.2	0.128539226	0.767430595	0.153697021	0.1	0.82	0.483961181	5.807205884	8597.690462
324.4	0.128625212	0.767943963	0.153714404	0.1	0.82	0.484015916	5.807862582	8603.498324
324.6	0.128711207	0.76845739	0.153731793	0.1	0.82	0.48407067	5.808519512	8609.306844
324.8	0.128797212	0.768970875	0.153749188	0.1	0.82	0.484125443	5.809176675	8615.116021
325	0.128883227	0.769484418	0.153766589	0.1	0.82	0.484180235	5.80983407	8620.925855
325.2	0.128969252	0.76999802	0.153783996	0.1	0.82	0.484235048	5.810491698	8626.736346
325.4	0.129055286	0.77051168	0.15380141	0.1	0.82	0.484289879	5.811149559	8632.547496
325.6	0.12914133	0.771025399	0.153818829	0.1	0.82	0.48434473	5.811807653	8638.359304
325.8	0.129227384	0.771539176	0.153836255	0.1	0.82	0.4843996	5.81246598	8644.17177
326	0.129313448	0.772053012	0.153853687	0.1	0.82	0.48445449	5.81312454	8649.984894
326.2	0.129399522	0.772566906	0.153871125	0.1	0.82	0.484509399	5.813783334	8655.798677
326.4	0.129485605	0.773080858	0.15388857	0.1	0.82	0.484564328	5.814442362	8661.61312
326.6	0.129571699	0.773594869	0.15390602	0.1	0.82	0.484619276	5.815101623	8667.428221
326.8	0.129657802	0.774108939	0.153923477	0.1	0.82	0.484674244	5.815761118	8673.243983
327	0.129743914	0.774623067	0.15394094	0.1	0.82	0.484729231	5.816420846	8679.060403
327.2	0.129830037	0.775137254	0.153958409	0.1	0.82	0.484784237	5.81708081	8684.877484
327.4	0.12991617	0.775651499	0.153975884	0.1	0.82	0.484839264	5.817741007	8690.695225
327.6	0.130002312	0.776165803	0.153993366	0.1	0.82	0.484894309	5.818401439	8696.513627
327.8	0.130088464	0.776680166	0.154010853	0.1	0.82	0.484949375	5.819062105	8702.332689
328	0.130174626	0.777194587	0.154028347	0.1	0.82	0.48500446	5.819723006	8708.152412
328.2	0.130260798	0.777709067	0.154045847	0.1	0.82	0.485059564	5.820384141	8713.972796
328.4	0.130346979	0.778223605	0.154063354	0.1	0.82	0.485114688	5.821045512	8719.793841
328.6	0.130433171	0.778738203	0.154080866	0.1	0.82	0.485169832	5.821707118	8725.615549
328.8	0.130519372	0.779252859	0.154098385	0.1	0.82	0.485224995	5.822368959	8731.437918
329	0.130605583	0.779767574	0.15411591	0.1	0.82	0.485280178	5.823031036	8737.260949
329.2	0.130691804	0.780282348	0.154133441	0.1	0.82	0.48533538	5.823693348	8743.084642
329.4	0.130778035	0.78079718	0.154150979	0.1	0.82	0.485390602	5.824355895	8748.908998
329.6	0.130864276	0.781312071	0.154168523	0.1	0.82	0.485445844	5.825018679	8754.734016
329.8	0.130950526	0.781827022	0.154186073	0.1	0.82	0.485501106	5.825681698	8760.559698
330	0.131036787	0.782342031	0.154203629	0.1	0.82	0.485556387	5.826344954	8766.386043

330.2	0.131123057	0.782857099	0.154221191	0.1	0.82	0.485611688	5.827008445	8772.213052
330.4	0.131209337	0.783372226	0.15423876	0.1	0.82	0.485667008	5.827672174	8778.040724
330.6	0.131295627	0.783887411	0.154256335	0.1	0.82	0.485722348	5.828336138	8783.86906
330.8	0.131381927	0.784402656	0.154273917	0.1	0.82	0.485777708	5.82900034	8789.69806
331	0.131468237	0.78491796	0.154291504	0.1	0.82	0.485833088	5.829664778	8795.527725
331.2	0.131554556	0.785433323	0.154309098	0.1	0.82	0.485888487	5.830329453	8801.358054
331.4	0.131640886	0.785948745	0.154326698	0.1	0.82	0.485943907	5.830994365	8807.189049
331.6	0.131727225	0.786464225	0.154344304	0.1	0.82	0.485999346	5.831659514	8813.020708
331.8	0.131813575	0.786979765	0.154361917	0.1	0.82	0.486054804	5.832324901	8818.853033
332	0.131899934	0.787495364	0.154379536	0.1	0.82	0.486110283	5.832990525	8824.686024
332.2	0.131986303	0.788011022	0.154397161	0.1	0.82	0.486165781	5.833656387	8830.51968
332.4	0.132072682	0.78852674	0.154414793	0.1	0.82	0.4862213	5.834322487	8836.354003
332.6	0.132159071	0.789042516	0.154432431	0.1	0.82	0.486276838	5.834988824	8842.188991
332.8	0.13224547	0.789558352	0.154450075	0.1	0.82	0.486332396	5.8356554	8848.024647
333	0.132331878	0.790074246	0.154467725	0.1	0.82	0.486387973	5.836322214	8853.860969
333.2	0.132418297	0.7905902	0.154485382	0.1	0.82	0.486443571	5.836989266	8859.697958
333.4	0.132504726	0.791106214	0.154503045	0.1	0.82	0.486499189	5.837656557	8865.535615
333.6	0.132591164	0.791622286	0.154520715	0.1	0.82	0.486554826	5.838324087	8871.373939
333.8	0.132677613	0.792138418	0.15453839	0.1	0.82	0.486610483	5.838991855	8877.212931
334	0.132764071	0.792654609	0.154556072	0.1	0.82	0.48666616	5.839659862	8883.052591
334.2	0.132850539	0.793170859	0.154573761	0.1	0.82	0.486721858	5.840328108	8888.892919
334.4	0.132937017	0.793687169	0.154591455	0.1	0.82	0.486777575	5.840996594	8894.733915
334.6	0.133023506	0.794203538	0.154609156	0.1	0.82	0.486833312	5.841665319	8900.575581
334.8	0.133110004	0.794719966	0.154626864	0.1	0.82	0.486889069	5.842334283	8906.417915
335	0.133196512	0.795236454	0.154644578	0.1	0.82	0.486944846	5.843003487	8912.260919
335.2	0.13328303	0.795753001	0.154662298	0.1	0.82	0.487000643	5.843672931	8918.104591
335.4	0.133369558	0.796269608	0.154680024	0.1	0.82	0.48705646	5.844342615	8923.948934
335.6	0.133456096	0.796786274	0.154697757	0.1	0.82	0.487112297	5.845012539	8929.793947
335.8	0.133542644	0.797303	0.154715496	0.1	0.82	0.487168154	5.845682703	8935.639629
336	0.133629202	0.797819785	0.154733242	0.1	0.82	0.487224031	5.846353108	8941.485982
336.2	0.133715769	0.79833663	0.154750993	0.1	0.82	0.487279928	5.847023753	8947.333006
336.4	0.133802347	0.798853534	0.154768752	0.1	0.82	0.487335845	5.847694639	8953.180701
336.6	0.133888935	0.799370498	0.154786516	0.1	0.82	0.487391782	5.848365765	8959.029067
336.8	0.133975533	0.799887522	0.154804287	0.1	0.82	0.48744774	5.849037133	8964.878104
337	0.134062141	0.800404605	0.154822065	0.1	0.82	0.487503717	5.849708741	8970.727812
337.2	0.134148758	0.800921748	0.154839848	0.1	0.82	0.487559715	5.850380591	8976.578193
337.4	0.134235386	0.80143895	0.154857639	0.1	0.82	0.487615732	5.851052682	8982.429246

337.6	0.134322024	0.801956212	0.154875435	0.1	0.82	0.48767177	5.851725015	8988.280971
337.8	0.134408672	0.802473534	0.154893238	0.1	0.82	0.487727828	5.85239759	8994.133368
338	0.13449533	0.802990915	0.154911047	0.1	0.82	0.487783906	5.853070406	8999.986439
338.2	0.134581997	0.803508357	0.154928863	0.1	0.82	0.487840005	5.853743465	9005.840182
338.4	0.134668675	0.804025858	0.154946685	0.1	0.82	0.487896123	5.854416765	9011.694599
338.6	0.134755363	0.804543419	0.154964514	0.1	0.82	0.487952262	5.855090308	9017.549689
338.8	0.134842061	0.805061039	0.154982349	0.1	0.82	0.488008421	5.855764093	9023.405453
339	0.134928769	0.80557872	0.15500019	0.1	0.82	0.4880646	5.856438121	9029.261891
339.2	0.135015486	0.80609646	0.155018038	0.1	0.82	0.488120799	5.857112391	9035.119004
339.4	0.135102214	0.80661426	0.155035893	0.1	0.82	0.488177019	5.857786905	9040.976791
339.6	0.135188952	0.807132121	0.155053753	0.1	0.82	0.488233258	5.858461661	9046.835252
339.8	0.1352757	0.807650041	0.15507162	0.1	0.82	0.488289518	5.85913666	9052.694389
340	0.135362458	0.808168021	0.155089494	0.1	0.82	0.488345799	5.859811903	9058.554201
340.2	0.135449226	0.808686061	0.155107374	0.1	0.82	0.488402099	5.86048739	9064.414688
340.4	0.135536004	0.809204161	0.155125261	0.1	0.82	0.48845842	5.861163119	9070.275852
340.6	0.135622793	0.809722321	0.155143153	0.1	0.82	0.488514762	5.861839093	9076.137691
340.8	0.135709591	0.810240541	0.155161053	0.1	0.82	0.488571123	5.862515311	9082.000206
341	0.135796399	0.810758821	0.155178959	0.1	0.82	0.488627505	5.863191772	9087.863398
341.2	0.135883217	0.811277161	0.155196871	0.1	0.82	0.488683908	5.863868478	9093.727266
341.4	0.135970046	0.811795561	0.15521479	0.1	0.82	0.48874033	5.864545428	9099.591812
341.6	0.136056884	0.812314021	0.155232715	0.1	0.82	0.488796773	5.865222623	9105.457034
341.8	0.136143733	0.812832542	0.155250647	0.1	0.82	0.488853237	5.865900062	9111.322934
342	0.136230591	0.813351122	0.155268585	0.1	0.82	0.488909721	5.866577746	9117.189512
342.2	0.13631746	0.813869763	0.15528653	0.1	0.82	0.488966225	5.867255675	9123.056768
342.4	0.136404339	0.814388464	0.155304481	0.1	0.82	0.48902275	5.867933849	9128.924702
342.6	0.136491228	0.814907226	0.155322439	0.1	0.82	0.489079295	5.868612268	9134.793314
342.8	0.136578127	0.815426047	0.155340403	0.1	0.82	0.489135861	5.869290933	9140.662605
343	0.136665036	0.815944929	0.155358374	0.1	0.82	0.489192447	5.869969843	9146.532575
343.2	0.136751955	0.816463871	0.155376351	0.1	0.82	0.489249053	5.870648999	9152.403224
343.4	0.136838884	0.816982873	0.155394334	0.1	0.82	0.48930568	5.8713284	9158.274552
343.6	0.136925823	0.817501936	0.155412325	0.1	0.82	0.489362328	5.872008048	9164.14656
343.8	0.137012773	0.818021059	0.155430321	0.1	0.82	0.489418996	5.872687942	9170.019248
344	0.137099732	0.818540243	0.155448325	0.1	0.82	0.489475684	5.873368082	9175.892616
344.2	0.137186702	0.819059487	0.155466334	0.1	0.82	0.489532394	5.874048468	9181.766665
344.4	0.137273682	0.819578791	0.155484351	0.1	0.82	0.489589123	5.874729101	9187.641394
344.6	0.137360672	0.820098156	0.155502373	0.1	0.82	0.489645874	5.875409981	9193.516804
344.8	0.137447672	0.820617581	0.155520403	0.1	0.82	0.489702644	5.876091108	9199.392895

345	0.137534682	0.821137067	0.155538439	0.1	0.82	0.489759436	5.876772481	9205.269667
345.2	0.137621703	0.821656613	0.155556481	0.1	0.82	0.489816248	5.877454102	9211.147121
345.4	0.137708733	0.82217622	0.15557453	0.1	0.82	0.489873081	5.87813597	9217.025257
345.6	0.137795774	0.822695887	0.155592586	0.1	0.82	0.489929934	5.878818086	9222.904075
345.8	0.137882824	0.823215615	0.155610648	0.1	0.82	0.489986808	5.879500449	9228.783576
346	0.137969885	0.823735403	0.155628716	0.1	0.82	0.490043702	5.88018306	9234.663759
346.2	0.138056956	0.824255253	0.155646792	0.1	0.82	0.490100618	5.88086592	9240.544625
346.4	0.138144038	0.824775162	0.155664873	0.1	0.82	0.490157554	5.881549027	9246.426174
346.6	0.138231129	0.825295133	0.155682962	0.1	0.82	0.49021451	5.882232382	9252.308406
346.8	0.138318231	0.825815164	0.155701057	0.1	0.82	0.490271487	5.882915986	9258.191322
347	0.138405342	0.826335256	0.155719158	0.1	0.82	0.490328486	5.883599838	9264.074922
347.2	0.138492464	0.826855408	0.155737266	0.1	0.82	0.490385504	5.884283939	9269.959206
347.4	0.138579596	0.827375622	0.155755381	0.1	0.82	0.490442544	5.884968289	9275.844174
347.6	0.138666739	0.827895896	0.155773502	0.1	0.82	0.490499604	5.885652888	9281.729827
347.8	0.138753891	0.828416231	0.15579163	0.1	0.82	0.490556685	5.886337736	9287.616165
348	0.138841054	0.828936626	0.155809765	0.1	0.82	0.490613787	5.887022833	9293.503188
348.2	0.138928226	0.829457083	0.155827906	0.1	0.82	0.49067091	5.887708179	9299.390896
348.4	0.139015409	0.829977601	0.155846053	0.1	0.82	0.490728053	5.888393776	9305.27929
348.6	0.139102603	0.830498179	0.155864208	0.1	0.82	0.490785217	5.889079622	9311.168369
348.8	0.139189806	0.831018818	0.155882369	0.1	0.82	0.490842402	5.889765718	9317.058135
349	0.13927702	0.831539518	0.155900536	0.1	0.82	0.490899608	5.890452064	9322.948587
349.2	0.139364244	0.83206028	0.15591871	0.1	0.82	0.490956835	5.89113866	9328.839726
349.4	0.139451478	0.832581102	0.155936891	0.1	0.82	0.491014083	5.891825507	9334.731551
349.6	0.139538722	0.833101985	0.155955079	0.1	0.82	0.491071351	5.892512604	9340.624064
349.8	0.139625976	0.833622929	0.155973273	0.1	0.82	0.491128641	5.893199952	9346.517264
350	0.139713241	0.834143934	0.155991473	0.1	0.82	0.491185951	5.89388755	9352.411151
350.2	0.139800516	0.834665	0.156009681	0.1	0.82	0.491243282	5.8945754	9358.305727
350.4	0.139887801	0.835186128	0.156027895	0.1	0.82	0.491300635	5.895263501	9364.20099
350.6	0.139975097	0.835707316	0.156046115	0.1	0.82	0.491358008	5.895951853	9370.096942
350.8	0.140062402	0.836228566	0.156064343	0.1	0.82	0.491415402	5.896640457	9375.993583
351	0.140149718	0.836749877	0.156082576	0.1	0.82	0.491472817	5.897329312	9381.890912
351.2	0.140237044	0.837271249	0.156100817	0.1	0.82	0.491530253	5.898018419	9387.78893
351.4	0.140324381	0.837792682	0.156119064	0.1	0.82	0.49158771	5.898707777	9393.687638
351.6	0.140411727	0.838314176	0.156137318	0.1	0.82	0.491645188	5.899397388	9399.587035
351.8	0.140499084	0.838835732	0.156155579	0.1	0.82	0.491702687	5.900087251	9405.487123
352	0.140586451	0.839357349	0.156173846	0.1	0.82	0.491760207	5.900777367	9411.3879
352.2	0.140673829	0.839879027	0.15619212	0.1	0.82	0.491817749	5.901467735	9417.289368

352.4	0.140761216	0.840400766	0.156210401	0.1	0.82	0.491875311	5.902158356	9423.191526
352.6	0.140848614	0.840922567	0.156228688	0.1	0.82	0.491932894	5.902849229	9429.094375
352.8	0.140936023	0.84144443	0.156246983	0.1	0.82	0.491990499	5.903540356	9434.997916
353	0.141023441	0.841966353	0.156265283	0.1	0.82	0.492048124	5.904231735	9440.902147
353.2	0.14111087	0.842488338	0.156283591	0.1	0.82	0.492105771	5.904923368	9446.807071
353.4	0.141198309	0.843010385	0.156301905	0.1	0.82	0.492163438	5.905615255	9452.712686
353.6	0.141285758	0.843532492	0.156320226	0.1	0.82	0.492221127	5.906307395	9458.618993
353.8	0.141373218	0.844054662	0.156338554	0.1	0.82	0.492278837	5.906999789	9464.525993
354	0.141460688	0.844576893	0.156356888	0.1	0.82	0.492336569	5.907692436	9470.433686
354.2	0.141548168	0.845099185	0.156375229	0.1	0.82	0.492394321	5.908385338	9476.342071
354.4	0.141635659	0.845621539	0.156393577	0.1	0.82	0.492452095	5.909078495	9482.25115
354.6	0.14172316	0.846143954	0.156411931	0.1	0.82	0.492509889	5.909771905	9488.160921
354.8	0.141810671	0.846666432	0.156430293	0.1	0.82	0.492567706	5.91046557	9494.071387
355	0.141898193	0.84718897	0.156448661	0.1	0.82	0.492625543	5.91115949	9499.982547
355.2	0.141985725	0.847711571	0.156467035	0.1	0.82	0.492683401	5.911853665	9505.8944
355.4	0.142073267	0.848234233	0.156485417	0.1	0.82	0.492741281	5.912548094	9511.806948
355.6	0.142160819	0.848756956	0.156503805	0.1	0.82	0.492799182	5.913242779	9517.720191
355.8	0.142248382	0.849279742	0.1565222	0.1	0.82	0.492857104	5.91393772	9523.634129
356	0.142335955	0.849802589	0.156540602	0.1	0.82	0.492915048	5.914632915	9529.548762
356.2	0.142423539	0.850325497	0.156559011	0.1	0.82	0.492973013	5.915328367	9535.46409
356.4	0.142511133	0.850848468	0.156577426	0.1	0.82	0.493030999	5.916024074	9541.380114
356.6	0.142598737	0.8513715	0.156595848	0.1	0.82	0.493089007	5.916720037	9547.296834
356.8	0.142686352	0.851894595	0.156614277	0.1	0.82	0.493147036	5.917416257	9553.21425
357	0.142773977	0.852417751	0.156632713	0.1	0.82	0.493205086	5.918112732	9559.132363
357.2	0.142861612	0.852940969	0.156651155	0.1	0.82	0.493263158	5.918809464	9565.051173
357.4	0.142949258	0.853464248	0.156669605	0.1	0.82	0.493321251	5.919506453	9570.970679
357.6	0.143036914	0.85398759	0.156688061	0.1	0.82	0.493379365	5.920203699	9576.890883
357.8	0.14312458	0.854510994	0.156706524	0.1	0.82	0.493437501	5.920901201	9582.811784
358	0.143212257	0.855034459	0.156724993	0.1	0.82	0.493495659	5.921598961	9588.733383
358.2	0.143299944	0.855557987	0.15674347	0.1	0.82	0.493553838	5.922296977	9594.65568
358.4	0.143387642	0.856081576	0.156761953	0.1	0.82	0.493612038	5.922995252	9600.578675
358.6	0.14347535	0.856605228	0.156780443	0.1	0.82	0.493670259	5.923693783	9606.502369
358.8	0.143563068	0.857128942	0.15679894	0.1	0.82	0.493728503	5.924392573	9612.426762
359	0.143650797	0.857652717	0.156817444	0.1	0.82	0.493786767	5.92509162	9618.351853
359.2	0.143738536	0.858176555	0.156835955	0.1	0.82	0.493845054	5.925790926	9624.277644
359.4	0.143826285	0.858700455	0.156854472	0.1	0.82	0.493903361	5.926490489	9630.204135
359.6	0.143914045	0.859224417	0.156872996	0.1	0.82	0.493961691	5.927190311	9636.131325

359.8	0.144001816	0.859748441	0.156891527	0.1	0.82	0.494020041	5.927890392	9642.059215
360	0.144089597	0.860272527	0.156910065	0.1	0.82	0.494078414	5.928590731	9647.987806
360.2	0.144177388	0.860796676	0.15692861	0.1	0.82	0.494136808	5.929291329	9653.917097
360.4	0.144265189	0.861320887	0.156947162	0.1	0.82	0.494195223	5.929992186	9659.847089
360.6	0.144353001	0.86184516	0.15696572	0.1	0.82	0.49425366	5.930693302	9665.777783
360.8	0.144440824	0.862369495	0.156984286	0.1	0.82	0.494312119	5.931394678	9671.709177
361	0.144528657	0.862893893	0.157002858	0.1	0.82	0.4943706	5.932096313	9677.641274
361.2	0.1446165	0.863418353	0.157021437	0.1	0.82	0.494429102	5.932798208	9683.574072
361.4	0.144704354	0.863942875	0.157040023	0.1	0.82	0.494487625	5.933500362	9689.507572
361.6	0.144792218	0.86446746	0.157058616	0.1	0.82	0.494546171	5.934202777	9695.441775
361.8	0.144880093	0.864992107	0.157077216	0.1	0.82	0.494604738	5.934905451	9701.376681
362	0.144967978	0.865516816	0.157095823	0.1	0.82	0.494663327	5.935608386	9707.312289
362.2	0.145055874	0.866041588	0.157114436	0.1	0.82	0.494721937	5.936311582	9713.248601
362.4	0.14514378	0.866566422	0.157133057	0.1	0.82	0.494780569	5.937015038	9719.185616
362.6	0.145231696	0.867091319	0.157151684	0.1	0.82	0.494839223	5.937718755	9725.123334
362.8	0.145319623	0.867616279	0.157170318	0.1	0.82	0.494897899	5.938422732	9731.061757
363	0.145407561	0.868141301	0.15718896	0.1	0.82	0.494956596	5.939126971	9737.000884
363.2	0.145495509	0.868666385	0.157207608	0.1	0.82	0.495015316	5.939831472	9742.940716
363.4	0.145583467	0.869191532	0.157226263	0.1	0.82	0.495074057	5.940536233	9748.881252
363.6	0.145671436	0.869716742	0.157244925	0.1	0.82	0.495132819	5.941241256	9754.822493
363.8	0.145759415	0.870242014	0.157263594	0.1	0.82	0.495191604	5.941946541	9760.76444
364	0.145847405	0.870767349	0.15728227	0.1	0.82	0.495250411	5.942652088	9766.707092
364.2	0.145935406	0.871292746	0.157300952	0.1	0.82	0.495309239	5.943357897	9772.65045
364.4	0.146023417	0.871818207	0.157319642	0.1	0.82	0.495368089	5.944063969	9778.594513
364.6	0.146111438	0.87234373	0.157338339	0.1	0.82	0.495426961	5.944770302	9784.539284
364.8	0.14619947	0.872869315	0.157357042	0.1	0.82	0.495485855	5.945476899	9790.484761
365	0.146287512	0.873394964	0.157375753	0.1	0.82	0.495544771	5.946183758	9796.430944
365.2	0.146375565	0.873920675	0.157394471	0.1	0.82	0.495603709	5.94689088	9802.377835
365.4	0.146463629	0.874446449	0.157413195	0.1	0.82	0.495662669	5.947598265	9808.325434
365.6	0.146551703	0.874972286	0.157431927	0.1	0.82	0.49572165	5.948305913	9814.27374
365.8	0.146639787	0.875498186	0.157450665	0.1	0.82	0.495780654	5.949013824	9820.222753
366	0.146727882	0.876024148	0.15746941	0.1	0.82	0.495839679	5.949722	9826.172475
366.2	0.146815988	0.876550174	0.157488163	0.1	0.82	0.495898727	5.950430439	9832.122906
366.4	0.146904104	0.877076262	0.157506922	0.1	0.82	0.495957797	5.951139142	9838.074045
366.6	0.146992231	0.877602414	0.157525689	0.1	0.82	0.496016888	5.951848109	9844.025893
366.8	0.147080368	0.878128628	0.157544462	0.1	0.82	0.496076002	5.95255734	9849.97845
367	0.147168516	0.878654906	0.157563242	0.1	0.82	0.496135137	5.953266835	9855.931717

367.2	0.147256674	0.879181246	0.15758203	0.1	0.82	0.496194295	5.953976595	9861.885694
367.4	0.147344843	0.87970765	0.157600824	0.1	0.82	0.496253475	5.95468662	9867.84038
367.6	0.147433022	0.880234116	0.157619625	0.1	0.82	0.496312677	5.95539691	9873.795777
367.8	0.147521212	0.880760646	0.157638434	0.1	0.82	0.496371901	5.956107465	9879.751885
368	0.147609413	0.881287239	0.157657249	0.1	0.82	0.496431147	5.956818285	9885.708703
368.2	0.147697624	0.881813894	0.157676072	0.1	0.82	0.496490415	5.95752937	9891.666232
368.4	0.147785846	0.882340614	0.157694901	0.1	0.82	0.496549705	5.958240721	9897.624473
368.6	0.147874078	0.882867396	0.157713738	0.1	0.82	0.496609018	5.958952338	9903.583426
368.8	0.147962321	0.883394241	0.157732581	0.1	0.82	0.496668352	5.959664221	9909.54309
369	0.148050574	0.88392115	0.157751432	0.1	0.82	0.496727709	5.960376369	9915.503466
369.2	0.148138839	0.884448122	0.15777029	0.1	0.82	0.496787088	5.961088784	9921.464555
369.4	0.148227113	0.884975157	0.157789154	0.1	0.82	0.496846489	5.961801465	9927.426356
369.6	0.148315399	0.885502256	0.157808026	0.1	0.82	0.496905913	5.962514413	9933.388871
369.8	0.148403694	0.886029418	0.157826905	0.1	0.82	0.496965358	5.963227628	9939.352098
370	0.148492001	0.886556643	0.157845791	0.1	0.82	0.497024826	5.963941109	9945.316039
370.2	0.148580318	0.887083931	0.157864684	0.1	0.82	0.497084317	5.964654858	9951.280694
370.4	0.148668646	0.887611283	0.157883584	0.1	0.82	0.497143829	5.965368874	9957.246063
370.6	0.148756984	0.888138699	0.157902491	0.1	0.82	0.497203364	5.966083157	9963.212146
370.8	0.148845333	0.888666178	0.157921405	0.1	0.82	0.497262921	5.966797708	9969.178944
371	0.148933693	0.88919372	0.157940327	0.1	0.82	0.4973225	5.967512526	9975.146457
371.2	0.149022063	0.889721326	0.157959255	0.1	0.82	0.497382102	5.968227612	9981.114684
371.4	0.149110444	0.890248995	0.15797819	0.1	0.82	0.497441726	5.968942967	9987.083627
371.6	0.149198836	0.890776728	0.157997133	0.1	0.82	0.497501372	5.96965859	9993.053286
371.8	0.149287238	0.891304525	0.158016083	0.1	0.82	0.497561041	5.970374481	9999.02366
372	0.149375651	0.891832385	0.158035039	0.1	0.82	0.497620732	5.97109064	10004.99475
372.2	0.149464074	0.892360309	0.158054003	0.1	0.82	0.497680446	5.971807069	10010.96656
372.4	0.149552508	0.892888296	0.158072974	0.1	0.82	0.497740182	5.972523766	10016.93908
372.6	0.149640953	0.893416347	0.158091953	0.1	0.82	0.49779994	5.973240733	10022.91232
372.8	0.149729409	0.893944462	0.158110938	0.1	0.82	0.497859721	5.973957968	10028.88628
373	0.149817875	0.89447264	0.15812993	0.1	0.82	0.497919524	5.974675474	10034.86096
373.2	0.149906352	0.895000882	0.15814893	0.1	0.82	0.49797935	5.975393248	10040.83635
373.4	0.149994839	0.895529188	0.158167937	0.1	0.82	0.498039199	5.976111293	10046.81246
373.6	0.150083337	0.896057558	0.15818695	0.1	0.82	0.498099069	5.976829607	10052.78929
373.8	0.150171846	0.896585992	0.158205971	0.1	0.82	0.498158963	5.977548192	10058.76684
374	0.150260366	0.897114489	0.158225	0.1	0.82	0.498218878	5.978267047	10064.74511
374.2	0.150348896	0.89764305	0.158244035	0.1	0.82	0.498278817	5.978986172	10070.72409
374.4	0.150437437	0.898171675	0.158263077	0.1	0.82	0.498338778	5.979705568	10076.7038

374.6	0.150525989	0.898700364	0.158282127	0.1	0.82	0.498398761	5.980425235	10082.68422
374.8	0.150614551	0.899229117	0.158301184	0.1	0.82	0.498458767	5.981145173	10088.66537
375	0.150703124	0.899757934	0.158320248	0.1	0.82	0.498518796	5.981865381	10094.64723
375.2	0.150791708	0.900286815	0.158339319	0.1	0.82	0.498578847	5.982585862	10100.62982
375.4	0.150880303	0.90081576	0.158358397	0.1	0.82	0.498638921	5.983306613	10106.61313
375.6	0.150968908	0.901344769	0.158377483	0.1	0.82	0.498699018	5.984027637	10112.59715
375.8	0.151057524	0.901873842	0.158396576	0.1	0.82	0.498759137	5.984748932	10118.5819
376	0.151146151	0.902402979	0.158415676	0.1	0.82	0.498819279	5.985470499	10124.56737
376.2	0.151234788	0.90293218	0.158434783	0.1	0.82	0.498879444	5.986192338	10130.55356
376.4	0.151323436	0.903461445	0.158453897	0.1	0.82	0.498939631	5.98691445	10136.54048
376.6	0.151412095	0.903990775	0.158473019	0.1	0.82	0.498999841	5.987636834	10142.52812
376.8	0.151500765	0.904520168	0.158492147	0.1	0.82	0.499060074	5.988359491	10148.51648
377	0.151589446	0.905049626	0.158511283	0.1	0.82	0.499120329	5.98908242	10154.50556
377.2	0.151678137	0.905579148	0.158530427	0.1	0.82	0.499180608	5.989805623	10160.49536
377.4	0.151766839	0.906108734	0.158549577	0.1	0.82	0.499240909	5.990529099	10166.48589
377.6	0.151855552	0.906638385	0.158568735	0.1	0.82	0.499301233	5.991252848	10172.47715
377.8	0.151944275	0.907168099	0.1585879	0.1	0.82	0.499361579	5.991976871	10178.46912
378	0.152033009	0.907697879	0.158607072	0.1	0.82	0.499421949	5.992701168	10184.46182
378.2	0.152121754	0.908227722	0.158626252	0.1	0.82	0.499482341	5.993425738	10190.45525
378.4	0.15221051	0.90875763	0.158645438	0.1	0.82	0.499542756	5.994150583	10196.4494
378.6	0.152299277	0.909287602	0.158664632	0.1	0.82	0.499603194	5.994875702	10202.44428
378.8	0.152388054	0.909817639	0.158683834	0.1	0.82	0.499663655	5.995601095	10208.43988
379	0.152476842	0.91034774	0.158703042	0.1	0.82	0.499724139	5.996326763	10214.4362
379.2	0.152565641	0.910877905	0.158722258	0.1	0.82	0.499784645	5.997052706	10220.43326
379.4	0.152654451	0.911408136	0.158741481	0.1	0.82	0.499845175	5.997778923	10226.43104
379.6	0.152743272	0.91193843	0.158760711	0.1	0.82	0.499905728	5.998505416	10232.42954
379.8	0.152832103	0.912468789	0.158779949	0.1	0.82	0.499966303	5.999232184	10238.42877
380	0.152920945	0.912999213	0.158799194	0.1	0.82	0.500026902	5.999959227	10244.42873
380.2	0.153009799	0.913529701	0.158818446	0.1	0.82	0.500087523	6.000686547	10250.42942
380.4	0.153098662	0.914060254	0.158837706	0.1	0.82	0.500148167	6.001414142	10256.43083
380.6	0.153187537	0.914590872	0.158856972	0.1	0.82	0.500208835	6.002142013	10262.43297
380.8	0.153276423	0.915121554	0.158876247	0.1	0.82	0.500269525	6.00287016	10268.43584
381	0.153365319	0.915652301	0.158895528	0.1	0.82	0.500330239	6.003598583	10274.43944
381.2	0.153454226	0.916183112	0.158914817	0.1	0.82	0.500390975	6.004327283	10280.44377
381.4	0.153543144	0.916713988	0.158934113	0.1	0.82	0.500451735	6.00505626	10286.44883
381.6	0.153632073	0.91724493	0.158953416	0.1	0.82	0.500512517	6.005785514	10292.45461
381.8	0.153721013	0.917775935	0.158972727	0.1	0.82	0.500573323	6.006515044	10298.46113

382	0.153809963	0.918307006	0.158992045	0.1	0.82	0.500634152	6.007244852	10304.46837
382.2	0.153898925	0.918838142	0.159011371	0.1	0.82	0.500695004	6.007974938	10310.47635
382.4	0.153987897	0.919369342	0.159030704	0.1	0.82	0.500755879	6.008705301	10316.48505
382.6	0.15407688	0.919900607	0.159050044	0.1	0.82	0.500816778	6.009435941	10322.49449
382.8	0.154165875	0.920431937	0.159069391	0.1	0.82	0.500877699	6.01016686	10328.50466
383	0.154254879	0.920963332	0.159088746	0.1	0.82	0.500938644	6.010898057	10334.51555
383.2	0.154343895	0.921494793	0.159108108	0.1	0.82	0.500999612	6.011629532	10340.52718
383.4	0.154432922	0.922026318	0.159127478	0.1	0.82	0.501060603	6.012361285	10346.53954
383.6	0.15452196	0.922557908	0.159146855	0.1	0.82	0.501121617	6.013093318	10352.55264
383.8	0.154611008	0.923089563	0.159166239	0.1	0.82	0.501182654	6.013825629	10358.56646
384	0.154700067	0.923621283	0.159185631	0.1	0.82	0.501243715	6.014558219	10364.58102
384.2	0.154789138	0.924153068	0.15920503	0.1	0.82	0.501304799	6.015291088	10370.59631
384.4	0.154878219	0.924684918	0.159224437	0.1	0.82	0.501365907	6.016024237	10376.61234
384.6	0.154967311	0.925216834	0.159243851	0.1	0.82	0.501427037	6.016757665	10382.62909
384.8	0.155056414	0.925748815	0.159263272	0.1	0.82	0.501488191	6.017491373	10388.64659
385	0.155145528	0.92628086	0.159282701	0.1	0.82	0.501549369	6.01822536	10394.66481
385.2	0.155234653	0.926812971	0.159302137	0.1	0.82	0.501610569	6.018959628	10400.68377
385.4	0.155323789	0.927345148	0.159321581	0.1	0.82	0.501671793	6.019694177	10406.70346
385.6	0.155412935	0.927877389	0.159341032	0.1	0.82	0.501733041	6.020429005	10412.72389
385.8	0.155502093	0.928409696	0.15936049	0.1	0.82	0.501794312	6.021164114	10418.74506
386	0.155591262	0.928942068	0.159379956	0.1	0.82	0.501855606	6.021899505	10424.76696
386.2	0.155680441	0.929474506	0.159399429	0.1	0.82	0.501916923	6.022635176	10430.78959
386.4	0.155769632	0.930007008	0.15941891	0.1	0.82	0.501978265	6.023371128	10436.81296
386.6	0.155858833	0.930539577	0.159438398	0.1	0.82	0.502039629	6.024107361	10442.83707
386.8	0.155948045	0.93107221	0.159457894	0.1	0.82	0.502101017	6.024843877	10448.86192
387	0.156037269	0.931604909	0.159477397	0.1	0.82	0.502162429	6.025580673	10454.8875
387.2	0.156126503	0.932137674	0.159496908	0.1	0.82	0.502223863	6.026317752	10460.91381
387.4	0.156215748	0.932670504	0.159516426	0.1	0.82	0.502285322	6.027055113	10466.94087
387.6	0.156305005	0.933203399	0.159535951	0.1	0.82	0.502346804	6.027792756	10472.96866
387.8	0.156394272	0.93373636	0.159555484	0.1	0.82	0.50240831	6.028530681	10478.99719
388	0.15648355	0.934269387	0.159575025	0.1	0.82	0.502469839	6.02926889	10485.02646
388.2	0.156572839	0.934802479	0.159594573	0.1	0.82	0.502531391	6.03000738	10491.05647
388.4	0.156662139	0.935335637	0.159614128	0.1	0.82	0.502592968	6.030746154	10497.08721
388.6	0.156751451	0.93586886	0.159633691	0.1	0.82	0.502654568	6.031485211	10503.1187
388.8	0.156840773	0.936402149	0.159653262	0.1	0.82	0.502716191	6.032224552	10509.15092
389	0.156930106	0.936935504	0.15967284	0.1	0.82	0.502777838	6.032964176	10515.18389
389.2	0.15701945	0.937468925	0.159692425	0.1	0.82	0.502839509	6.033704083	10521.21759

389.4	0.157108805	0.938002411	0.159712018	0.1	0.82	0.502901203	6.034444275	10527.25204
389.6	0.157198171	0.938535963	0.159731619	0.1	0.82	0.502962922	6.035184751	10533.28722
389.8	0.157287549	0.939069581	0.159751227	0.1	0.82	0.503024663	6.035925511	10539.32315
390	0.157376937	0.939603264	0.159770843	0.1	0.82	0.503086429	6.036666555	10545.35981
390.2	0.157466336	0.940137014	0.159790466	0.1	0.82	0.503148218	6.037407884	10551.39722
390.4	0.157555746	0.940670829	0.159810096	0.1	0.82	0.503210031	6.038149498	10557.43537
390.6	0.157645168	0.94120471	0.159829735	0.1	0.82	0.503271868	6.038891396	10563.47426
390.8	0.1577346	0.941738657	0.15984938	0.1	0.82	0.503333729	6.03963358	10569.5139
391	0.157824044	0.94227267	0.159869034	0.1	0.82	0.503395613	6.04037605	10575.55427
391.2	0.157913498	0.942806749	0.159888694	0.1	0.82	0.503457521	6.041118805	10581.59539
391.4	0.158002964	0.943340894	0.159908363	0.1	0.82	0.503519453	6.041861845	10587.63725
391.6	0.15809244	0.943875105	0.159928039	0.1	0.82	0.503581409	6.042605172	10593.67986
391.8	0.158181928	0.944409382	0.159947722	0.1	0.82	0.503643389	6.043348784	10599.72321
392	0.158271427	0.944943725	0.159967414	0.1	0.82	0.503705392	6.044092683	10605.7673
392.2	0.158360936	0.945478135	0.159987112	0.1	0.82	0.503767419	6.044836869	10611.81214
392.4	0.158450457	0.94601261	0.160006819	0.1	0.82	0.503829471	6.045581341	10617.85772
392.6	0.158539989	0.946547151	0.160026533	0.1	0.82	0.503891546	6.0463261	10623.90404
392.8	0.158629532	0.947081759	0.160046254	0.1	0.82	0.503953645	6.047071146	10629.95111
393	0.158719086	0.947616433	0.160065983	0.1	0.82	0.504015768	6.047816479	10635.99893
393.2	0.158808651	0.948151173	0.16008572	0.1	0.82	0.504077915	6.048562099	10642.04749
393.4	0.158898228	0.948685979	0.160105464	0.1	0.82	0.504140086	6.049308008	10648.0968
393.6	0.158987815	0.949220852	0.160125216	0.1	0.82	0.504202281	6.050054203	10654.14686
393.8	0.159077414	0.949755791	0.160144976	0.1	0.82	0.5042645	6.050800687	10660.19766
394	0.159167023	0.950290796	0.160164743	0.1	0.82	0.504326743	6.051547459	10666.2492
394.2	0.159256644	0.950825867	0.160184518	0.1	0.82	0.50438901	6.05229452	10672.3015
394.4	0.159346276	0.951361005	0.1602043	0.1	0.82	0.504451301	6.053041869	10678.35454
394.6	0.159435919	0.95189621	0.160224091	0.1	0.82	0.504513616	6.053789506	10684.40833
394.8	0.159525573	0.952431481	0.160243888	0.1	0.82	0.504575956	6.054537433	10690.46287
395	0.159615238	0.952966818	0.160263694	0.1	0.82	0.504638319	6.055285648	10696.51815
395.2	0.159704914	0.953502221	0.160283507	0.1	0.82	0.504700707	6.056034153	10702.57419
395.4	0.159794602	0.954037692	0.160303328	0.1	0.82	0.504763118	6.056782948	10708.63097
395.6	0.159884301	0.954573228	0.160323156	0.1	0.82	0.504825554	6.057532032	10714.6885
395.8	0.15997401	0.955108832	0.160342992	0.1	0.82	0.504888014	6.058281405	10720.74678
396	0.160063731	0.955644502	0.160362836	0.1	0.82	0.504950498	6.059031069	10726.80581
396.2	0.160153463	0.956180238	0.160382687	0.1	0.82	0.505013006	6.059781023	10732.8656
396.4	0.160243207	0.956716041	0.160402547	0.1	0.82	0.505075539	6.060531268	10738.92613
396.6	0.160332961	0.957251911	0.160422413	0.1	0.82	0.505138095	6.061281803	10744.98741

396.8	0.160422727	0.957787847	0.160442288	0.1	0.82	0.505200676	6.062032629	10751.04944
397	0.160512503	0.958323851	0.16046217	0.1	0.82	0.505263281	6.062783746	10757.11222
397.2	0.160602291	0.958859921	0.16048206	0.1	0.82	0.505325911	6.063535153	10763.17576
397.4	0.160692091	0.959396057	0.160501958	0.1	0.82	0.505388565	6.064286853	10769.24005
397.6	0.160781901	0.959932261	0.160521863	0.1	0.82	0.505451243	6.065038844	10775.30509
397.8	0.160871722	0.960468531	0.160541776	0.1	0.82	0.505513945	6.065791126	10781.37088
398	0.160961555	0.961004868	0.160561697	0.1	0.82	0.505576672	6.066543701	10787.43742
398.2	0.161051399	0.961541272	0.160581626	0.1	0.82	0.505639423	6.067296567	10793.50472
398.4	0.161141254	0.962077743	0.160601562	0.1	0.82	0.505702198	6.068049726	10799.57277
398.6	0.16123112	0.962614281	0.160621506	0.1	0.82	0.505764998	6.068803178	10805.64157
398.8	0.161320998	0.963150886	0.160641458	0.1	0.82	0.505827822	6.069556922	10811.71113
399	0.161410887	0.963687557	0.160661417	0.1	0.82	0.505890671	6.070310959	10817.78144
399.2	0.161500787	0.964224296	0.160681385	0.1	0.82	0.505953544	6.071065289	10823.8525
399.4	0.161590698	0.964761102	0.16070136	0.1	0.82	0.506016441	6.071819912	10829.92432
399.6	0.16168062	0.965297975	0.160721343	0.1	0.82	0.506079363	6.072574829	10835.9969
399.8	0.161770554	0.965834915	0.160741333	0.1	0.82	0.50614231	6.073330039	10842.07023
400	0.161860499	0.966371922	0.160761332	0.1	0.82	0.506205281	6.074085544	10848.14431
400.2	0.161950455	0.966908996	0.160781338	0.1	0.82	0.506268276	6.074841342	10854.21915
400.4	0.162040422	0.967446137	0.160801352	0.1	0.82	0.506331296	6.075597434	10860.29475
400.6	0.162130401	0.967983345	0.160821373	0.1	0.82	0.506394341	6.076353821	10866.37111
400.8	0.162220391	0.968520621	0.160841403	0.1	0.82	0.50645741	6.077110503	10872.44822
401	0.162310392	0.969057964	0.16086144	0.1	0.82	0.506520503	6.077867479	10878.52608
401.2	0.162400404	0.969595374	0.160881486	0.1	0.82	0.506583622	6.07862475	10884.60471
401.4	0.162490428	0.970132852	0.160901539	0.1	0.82	0.506646764	6.079382317	10890.68409
401.6	0.162580463	0.970670396	0.160921599	0.1	0.82	0.506709932	6.080140179	10896.76423
401.8	0.162670509	0.971208008	0.160941668	0.1	0.82	0.506773124	6.080898336	10902.84513
402	0.162760567	0.971745688	0.160961744	0.1	0.82	0.506836341	6.081656789	10908.92679
402.2	0.162850636	0.972283435	0.160981829	0.1	0.82	0.506899582	6.082415538	10915.0092
402.4	0.162940716	0.972821249	0.161001921	0.1	0.82	0.506962848	6.083174584	10921.09238
402.6	0.163030807	0.973359131	0.161022021	0.1	0.82	0.507026139	6.083933925	10927.17631
402.8	0.16312091	0.97389708	0.161042129	0.1	0.82	0.507089455	6.084693563	10933.261
403	0.163211024	0.974435097	0.161062244	0.1	0.82	0.507152795	6.085453498	10939.34646
403.2	0.163301149	0.974973181	0.161082368	0.1	0.82	0.50721616	6.08621373	10945.43267
403.4	0.163391286	0.975511333	0.161102499	0.1	0.82	0.50727955	6.086974259	10951.51965
403.6	0.163481434	0.976049552	0.161122639	0.1	0.82	0.507342964	6.087735085	10957.60738
403.8	0.163571593	0.976587839	0.161142786	0.1	0.82	0.507406404	6.088496209	10963.69588
404	0.163661764	0.977126194	0.161162941	0.1	0.82	0.507469868	6.089257631	10969.78513

404.2	0.163751946	0.977664616	0.161183104	0.1	0.82	0.507533357	6.09001935	10975.87515
404.4	0.163842139	0.978203106	0.161203275	0.1	0.82	0.507596871	6.090781367	10981.96594
404.6	0.163932343	0.978741664	0.161223453	0.1	0.82	0.50766041	6.091543683	10988.05748
404.8	0.164022559	0.979280289	0.16124364	0.1	0.82	0.507723973	6.092306297	10994.14978
405	0.164112787	0.979818982	0.161263834	0.1	0.82	0.507787562	6.09306921	11000.24285
405.2	0.164203025	0.980357743	0.161284037	0.1	0.82	0.507851175	6.093832422	11006.33669
405.4	0.164293275	0.980896572	0.161304247	0.1	0.82	0.507914814	6.094595933	11012.43128
405.6	0.164383537	0.981435468	0.161324465	0.1	0.82	0.507978477	6.095359743	11018.52664
405.8	0.16447381	0.981974433	0.161344692	0.1	0.82	0.508042165	6.096123853	11024.62277
406	0.164564094	0.982513465	0.161364926	0.1	0.82	0.508105879	6.096888263	11030.71965
406.2	0.164654389	0.983052566	0.161385168	0.1	0.82	0.508169617	6.097652972	11036.81731
406.4	0.164744696	0.983591734	0.161405418	0.1	0.82	0.50823338	6.098417981	11042.91573
406.6	0.164835014	0.98413097	0.161425676	0.1	0.82	0.508297168	6.099183291	11049.01491
406.8	0.164925344	0.984670274	0.161445942	0.1	0.82	0.508360982	6.099948901	11055.11486
407	0.165015685	0.985209647	0.161466216	0.1	0.82	0.50842482	6.100714811	11061.21557
407.2	0.165106038	0.985749087	0.161486498	0.1	0.82	0.508488684	6.101481023	11067.31705
407.4	0.165196401	0.986288595	0.161506787	0.1	0.82	0.508552572	6.102247536	11073.4193
407.6	0.165286777	0.986828172	0.161527085	0.1	0.82	0.508616486	6.10301435	11079.52232
407.8	0.165377163	0.987367817	0.161547391	0.1	0.82	0.508680425	6.103781465	11085.6261
408	0.165467562	0.98790753	0.161567705	0.1	0.82	0.508744389	6.104548882	11091.73065
408.2	0.165557971	0.988447311	0.161588027	0.1	0.82	0.508808378	6.105316601	11097.83596
408.4	0.165648392	0.98898716	0.161608356	0.1	0.82	0.508872392	6.106084622	11103.94205
408.6	0.165738824	0.989527077	0.161628694	0.1	0.82	0.508936432	6.106852945	11110.0489
408.8	0.165829268	0.990067063	0.16164904	0.1	0.82	0.509000497	6.107621571	11116.15652
409	0.165919724	0.990607117	0.161669394	0.1	0.82	0.509064587	6.108390499	11122.26491
409.2	0.16601019	0.99114724	0.161689755	0.1	0.82	0.509128702	6.10915973	11128.37407
409.4	0.166100668	0.99168743	0.161710125	0.1	0.82	0.509192842	6.109929264	11134.484
409.6	0.166191158	0.99222769	0.161730503	0.1	0.82	0.509257008	6.110699102	11140.5947
409.8	0.166281659	0.992768017	0.161750889	0.1	0.82	0.509321199	6.111469243	11146.70617
410	0.166372172	0.993308413	0.161771283	0.1	0.82	0.509385415	6.112239687	11152.81841
410.2	0.166462696	0.993848878	0.161791685	0.1	0.82	0.509449657	6.113010436	11158.93142
410.4	0.166553231	0.994389411	0.161812095	0.1	0.82	0.509513924	6.113781488	11165.0452
410.6	0.166643778	0.994930012	0.161832513	0.1	0.82	0.509578217	6.114552845	11171.15975
410.8	0.166734336	0.995470682	0.161852939	0.1	0.82	0.509642534	6.115324506	11177.27508
411	0.166824906	0.996011421	0.161873373	0.1	0.82	0.509706878	6.116096472	11183.39117
411.2	0.166915488	0.996552228	0.161893815	0.1	0.82	0.509771246	6.116868743	11189.50804
411.4	0.167006081	0.997093104	0.161914266	0.1	0.82	0.50983564	6.117641319	11195.62568

411.6	0.167096685	0.997634048	0.161934724	0.1	0.82	0.50990006	6.1184142	11201.7441
411.8	0.167187301	0.998175061	0.161955191	0.1	0.82	0.509964505	6.119187387	11207.86329
412	0.167277928	0.998716143	0.161975665	0.1	0.82	0.510028975	6.119960879	11213.98325
412.2	0.167368567	0.999257294	0.161996148	0.1	0.82	0.510093471	6.120734677	11220.10398
412.4	0.167459218	0.999798513	0.162016639	0.1	0.82	0.510157993	6.121508782	11226.22549
412.6	0.16754988	1.000339801	0.162037138	0.1	0.82	0.510222539	6.122283192	11232.34777
412.8	0.167640553	1.000881158	0.162057645	0.1	0.82	0.510287112	6.123057909	11238.47083
413	0.167731238	1.001422584	0.16207816	0.1	0.82	0.51035171	6.123832933	11244.59466
413.2	0.167821935	1.001964079	0.162098683	0.1	0.82	0.510416334	6.124608264	11250.71927
413.4	0.167912643	1.002505642	0.162119215	0.1	0.82	0.510480983	6.125383901	11256.84466
413.6	0.168003362	1.003047275	0.162139754	0.1	0.82	0.510545658	6.126159846	11262.97082
413.8	0.168094094	1.003588976	0.162160302	0.1	0.82	0.510610359	6.126936099	11269.09775
414	0.168184836	1.004130747	0.162180858	0.1	0.82	0.510675085	6.127712659	11275.22547
414.2	0.168275591	1.004672586	0.162201422	0.1	0.82	0.510739837	6.128489528	11281.35395
414.4	0.168366356	1.005214495	0.162221994	0.1	0.82	0.510804614	6.129266704	11287.48322
414.6	0.168457134	1.005756472	0.162242574	0.1	0.82	0.510869417	6.130044189	11293.61327
414.8	0.168547923	1.006298519	0.162263163	0.1	0.82	0.510934246	6.130821982	11299.74409
415	0.168638723	1.006840635	0.162283759	0.1	0.82	0.510999101	6.131600084	11305.87569
415.2	0.168729536	1.00738282	0.162304364	0.1	0.82	0.511063981	6.132378495	11312.00807
415.4	0.168820359	1.007925074	0.162324977	0.1	0.82	0.511128888	6.133157215	11318.14122
415.6	0.168911195	1.008467397	0.162345598	0.1	0.82	0.51119382	6.133936245	11324.27516
415.8	0.169002042	1.00900979	0.162366228	0.1	0.82	0.511258778	6.134715584	11330.40988
416	0.1690929	1.009552251	0.162386865	0.1	0.82	0.511323761	6.135495233	11336.54537
416.2	0.16918377	1.010094783	0.162407511	0.1	0.82	0.511388771	6.136275191	11342.68165
416.4	0.169274652	1.010637383	0.162428165	0.1	0.82	0.511453806	6.13705546	11348.8187
416.6	0.169365545	1.011180053	0.162448827	0.1	0.82	0.511518867	6.13783604	11354.95654
416.8	0.16945645	1.011722792	0.162469498	0.1	0.82	0.511583954	6.13861693	11361.09515
417	0.169547367	1.0122656	0.162490176	0.1	0.82	0.511649067	6.139398131	11367.23455
417.2	0.169638295	1.012808478	0.162510863	0.1	0.82	0.511714206	6.140179643	11373.37473
417.4	0.169729235	1.013351426	0.162531558	0.1	0.82	0.511779371	6.140961466	11379.51569
417.6	0.169820187	1.013894443	0.162552262	0.1	0.82	0.511844562	6.1417436	11385.65744
417.8	0.16991115	1.014437529	0.162572974	0.1	0.82	0.511909779	6.142526046	11391.79996
418	0.170002125	1.014980685	0.162593693	0.1	0.82	0.511975022	6.143308805	11397.94327
418.2	0.170093111	1.01552391	0.162614422	0.1	0.82	0.512040291	6.144091875	11404.08736
418.4	0.170184109	1.016067205	0.162635158	0.1	0.82	0.512105586	6.144875257	11410.23224
418.6	0.170275119	1.01661057	0.162655903	0.1	0.82	0.512170906	6.145658952	11416.3779
418.8	0.17036614	1.017154004	0.162676656	0.1	0.82	0.512236253	6.14644296	11422.52434

419	0.170457173	1.017697508	0.162697417	0.1	0.82	0.512301627	6.14722728	11428.67157
419.2	0.170548218	1.018241082	0.162718187	0.1	0.82	0.512367026	6.148011914	11434.81958
419.4	0.170639275	1.018784726	0.162738964	0.1	0.82	0.512432451	6.148796861	11440.96838
419.6	0.170730343	1.019328439	0.162759751	0.1	0.82	0.512497902	6.149582121	11447.11796
419.8	0.170821423	1.019872222	0.162780545	0.1	0.82	0.51256338	6.150367695	11453.26833
420	0.170912514	1.020416075	0.162801348	0.1	0.82	0.512628884	6.151153584	11459.41948
420.2	0.171003617	1.020959997	0.162822159	0.1	0.82	0.512694414	6.151939786	11465.57142
420.4	0.171094732	1.02150399	0.162842978	0.1	0.82	0.51275997	6.152726303	11471.72415
420.6	0.171185859	1.022048052	0.162863806	0.1	0.82	0.512825552	6.153513134	11477.87766
420.8	0.171276997	1.022592185	0.162884642	0.1	0.82	0.512891161	6.15430028	11484.03196
421	0.171368147	1.023136387	0.162905486	0.1	0.82	0.512956796	6.155087741	11490.18705
421.2	0.171459309	1.023680659	0.162926339	0.1	0.82	0.513022457	6.155875517	11496.34292
421.4	0.171550483	1.024225001	0.1629472	0.1	0.82	0.513088145	6.156663609	11502.49959
421.6	0.171641668	1.024769414	0.16296807	0.1	0.82	0.513153858	6.157452017	11508.65704
421.8	0.171732865	1.025313896	0.162988948	0.1	0.82	0.513219598	6.15824074	11514.81528
422	0.171824074	1.025858449	0.163009834	0.1	0.82	0.513285365	6.159029779	11520.97431
422.2	0.171915294	1.026403071	0.163030728	0.1	0.82	0.513351158	6.159819135	11527.13413
422.4	0.172006526	1.026947764	0.163051631	0.1	0.82	0.513416977	6.160608807	11533.29474
422.6	0.17209777	1.027492527	0.163072543	0.1	0.82	0.513482822	6.161398796	11539.45614
422.8	0.172189026	1.02803736	0.163093462	0.1	0.82	0.513548695	6.162189102	11545.61833
423	0.172280293	1.028582264	0.163114391	0.1	0.82	0.513614593	6.162979725	11551.7813
423.2	0.172371573	1.029127237	0.163135327	0.1	0.82	0.513680518	6.163770665	11557.94508
423.4	0.172462864	1.029672281	0.163156272	0.1	0.82	0.513746469	6.164561923	11564.10964
423.6	0.172554166	1.030217396	0.163177225	0.1	0.82	0.513812447	6.165353499	11570.27499
423.8	0.172645481	1.03076258	0.163198187	0.1	0.82	0.513878452	6.166145392	11576.44114
424	0.172736807	1.031307835	0.163219157	0.1	0.82	0.513944482	6.166937604	11582.60807
424.2	0.172828146	1.031853161	0.163240136	0.1	0.82	0.51401054	6.167730134	11588.7758
424.4	0.172919496	1.032398557	0.163261123	0.1	0.82	0.514076624	6.168522983	11594.94433
424.6	0.173010857	1.032944023	0.163282118	0.1	0.82	0.514142735	6.169316151	11601.11364
424.8	0.173102231	1.03348956	0.163303122	0.1	0.82	0.514208872	6.170109638	11607.28375
425	0.173193616	1.034035167	0.163324135	0.1	0.82	0.514275036	6.170903444	11613.45466
425.2	0.173285014	1.034580845	0.163345156	0.1	0.82	0.514341226	6.17169757	11619.62635
425.4	0.173376423	1.035126594	0.163366185	0.1	0.82	0.514407443	6.172492015	11625.79885
425.6	0.173467843	1.035672413	0.163387223	0.1	0.82	0.514473687	6.17328678	11631.97213
425.8	0.173559276	1.036218302	0.163408269	0.1	0.82	0.514539957	6.174081866	11638.14621
426	0.173650721	1.036764263	0.163429324	0.1	0.82	0.514606255	6.174877272	11644.32109
426.2	0.173742177	1.037310294	0.163450387	0.1	0.82	0.514672578	6.175672998	11650.49676

426.4	0.173833645	1.037856396	0.163471459	0.1	0.82	0.514738929	6.176469045	11656.67323
426.6	0.173925125	1.038402568	0.163492539	0.1	0.82	0.514805307	6.177265414	11662.8505
426.8	0.174016617	1.038948812	0.163513628	0.1	0.82	0.514871711	6.178062103	11669.02856
427	0.174108121	1.039495126	0.163534725	0.1	0.82	0.514938142	6.178859114	11675.20742
427.2	0.174199637	1.040041511	0.163555831	0.1	0.82	0.515004599	6.179656447	11681.38708
427.4	0.174291164	1.040587967	0.163576945	0.1	0.82	0.515071084	6.180454101	11687.56753
427.6	0.174382704	1.041134493	0.163598068	0.1	0.82	0.515137596	6.181252078	11693.74878
427.8	0.174474255	1.041681091	0.163619199	0.1	0.82	0.515204134	6.182050377	11699.93083
428	0.174565818	1.04222776	0.163640339	0.1	0.82	0.515270699	6.182848998	11706.11368
428.2	0.174657393	1.042774499	0.163661487	0.1	0.82	0.515337291	6.183647943	11712.29733
428.4	0.17474898	1.04332131	0.163682644	0.1	0.82	0.51540391	6.18444721	11718.48178
428.6	0.174840579	1.043868192	0.16370381	0.1	0.82	0.515470556	6.1852468	11724.66702
428.8	0.17493219	1.044415144	0.163724984	0.1	0.82	0.515537229	6.186046714	11730.85307
429	0.175023812	1.044962168	0.163746167	0.1	0.82	0.515603929	6.186846952	11737.03992
429.2	0.175115447	1.045509263	0.163767358	0.1	0.82	0.515670656	6.187647513	11743.22757
429.4	0.175207093	1.046056429	0.163788558	0.1	0.82	0.51573741	6.188448399	11749.41601
429.6	0.175298752	1.046603666	0.163809766	0.1	0.82	0.515804191	6.189249609	11755.60526
429.8	0.175390422	1.047150975	0.163830983	0.1	0.82	0.515870999	6.190051143	11761.79531
430	0.175482104	1.047698355	0.163852209	0.1	0.82	0.515937834	6.190853002	11767.98617
430.2	0.175573798	1.048245806	0.163873443	0.1	0.82	0.516004697	6.191655186	11774.17782
430.4	0.175665504	1.048793328	0.163894686	0.1	0.82	0.516071586	6.192457695	11780.37028
430.6	0.175757223	1.049340922	0.163915937	0.1	0.82	0.516138502	6.19326053	11786.56354
430.8	0.175848953	1.049888587	0.163937197	0.1	0.82	0.516205446	6.19406369	11792.7576
431	0.175940695	1.050436323	0.163958466	0.1	0.82	0.516272417	6.194867177	11798.95247
431.2	0.176032449	1.050984131	0.163979743	0.1	0.82	0.516339415	6.195670989	11805.14814
431.4	0.176124214	1.05153201	0.164001029	0.1	0.82	0.51640644	6.196475127	11811.34462
431.6	0.176215992	1.052079961	0.164022323	0.1	0.82	0.516473492	6.197279592	11817.5419
431.8	0.176307782	1.052627983	0.164043627	0.1	0.82	0.516540572	6.198084384	11823.73998
432	0.176399584	1.053176077	0.164064939	0.1	0.82	0.516607679	6.198889503	11829.93887
432.2	0.176491398	1.053724242	0.164086259	0.1	0.82	0.516674813	6.199694949	11836.13857
432.4	0.176583224	1.054272479	0.164107588	0.1	0.82	0.516741974	6.200500722	11842.33907
432.6	0.176675062	1.054820787	0.164128926	0.1	0.82	0.516809163	6.201306824	11848.54037
432.8	0.176766911	1.055369168	0.164150273	0.1	0.82	0.516876379	6.202113252	11854.74249
433	0.176858773	1.055917619	0.164171628	0.1	0.82	0.516943622	6.202920009	11860.94541
433.2	0.176950647	1.056466143	0.164192992	0.1	0.82	0.517010893	6.203727095	11867.14913
433.4	0.177042533	1.057014738	0.164214365	0.1	0.82	0.517078191	6.204534509	11873.35367
433.6	0.177134431	1.057563405	0.164235746	0.1	0.82	0.517145517	6.205342251	11879.55901

433.8	0.177226341	1.058112144	0.164257136	0.1	0.82	0.51721287	6.206150323	11885.76516
434	0.177318263	1.058660955	0.164278535	0.1	0.82	0.517280251	6.206958724	11891.97212
434.2	0.177410197	1.059209837	0.164299942	0.1	0.82	0.517347658	6.207767454	11898.17989
434.4	0.177502143	1.059758792	0.164321359	0.1	0.82	0.517415094	6.208576514	11904.38846
434.6	0.177594101	1.060307818	0.164342784	0.1	0.82	0.517482557	6.209385904	11910.59785
434.8	0.177686071	1.060856916	0.164364217	0.1	0.82	0.517550047	6.210195624	11916.80805
435	0.177778053	1.061406087	0.16438566	0.1	0.82	0.517617565	6.211005674	11923.01905
435.2	0.177870047	1.061955329	0.164407111	0.1	0.82	0.517685111	6.211816055	11929.23087
435.4	0.177962053	1.062504643	0.164428571	0.1	0.82	0.517752684	6.212626766	11935.44349
435.6	0.178054072	1.06305403	0.16445004	0.1	0.82	0.517820284	6.213437809	11941.65693
435.8	0.178146102	1.063603488	0.164471517	0.1	0.82	0.517887913	6.214249183	11947.87118
436	0.178238145	1.064153019	0.164493003	0.1	0.82	0.517955569	6.215060888	11954.08624
436.2	0.178330199	1.064702621	0.164514498	0.1	0.82	0.518023252	6.215872925	11960.30212
436.4	0.178422266	1.065252296	0.164536002	0.1	0.82	0.518090963	6.216685294	11966.5188
436.6	0.178514345	1.065802043	0.164557515	0.1	0.82	0.518158702	6.217497995	11972.7363
436.8	0.178606436	1.066351863	0.164579036	0.1	0.82	0.518226469	6.218311029	11978.95461
437	0.178698538	1.066901754	0.164600566	0.1	0.82	0.518294263	6.219124395	11985.17373
437.2	0.178790654	1.067451718	0.164622105	0.1	0.82	0.518362086	6.219938094	11991.39367
437.4	0.178882781	1.068001754	0.164643653	0.1	0.82	0.518429935	6.220752126	11997.61442
437.6	0.17897492	1.068551863	0.16466521	0.1	0.82	0.518497813	6.221566492	12003.83599
437.8	0.179067072	1.069102044	0.164686775	0.1	0.82	0.518565719	6.222381191	12010.05837
438	0.179159235	1.069652297	0.16470835	0.1	0.82	0.518633652	6.223196223	12016.28157
438.2	0.179251411	1.070202623	0.164729933	0.1	0.82	0.518701613	6.22401159	12022.50558
438.4	0.179343599	1.070753021	0.164751525	0.1	0.82	0.518769602	6.224827291	12028.73041
438.6	0.179435799	1.071303492	0.164773126	0.1	0.82	0.518837619	6.225643326	12034.95605
438.8	0.179528011	1.071854035	0.164794736	0.1	0.82	0.518905664	6.226459697	12041.18251
439	0.179620235	1.072404651	0.164816354	0.1	0.82	0.518973736	6.227276401	12047.40979
439.2	0.179712472	1.07295534	0.164837982	0.1	0.82	0.519041837	6.228093442	12053.63788
439.4	0.17980472	1.073506101	0.164859618	0.1	0.82	0.519109966	6.228910817	12059.86679
439.6	0.179896981	1.074056935	0.164881263	0.1	0.82	0.519178122	6.229728528	12066.09652
439.8	0.179989254	1.074607841	0.164902918	0.1	0.82	0.519246307	6.230546575	12072.32707
440	0.180081539	1.075158821	0.164924581	0.1	0.82	0.519314519	6.231364958	12078.55843
440.2	0.180173836	1.075709872	0.164946253	0.1	0.82	0.51938276	6.232183678	12084.79061
440.4	0.180266146	1.076260997	0.164967933	0.1	0.82	0.519451029	6.233002733	12091.02362
440.6	0.180358468	1.076812195	0.164989623	0.1	0.82	0.519519326	6.233822126	12097.25744
440.8	0.180450801	1.077363465	0.165011322	0.1	0.82	0.51958765	6.234641856	12103.49208
441	0.180543148	1.077914808	0.16503303	0.1	0.82	0.519656003	6.235461922	12109.72754

441.2	0.180635506	1.078466224	0.165054746	0.1	0.82	0.519724384	6.236282327	12115.96383
441.4	0.180727876	1.079017714	0.165076472	0.1	0.82	0.519792794	6.237103069	12122.20093
441.6	0.180820259	1.079569276	0.165098206	0.1	0.82	0.519861231	6.237924149	12128.43885
441.8	0.180912654	1.080120911	0.165119949	0.1	0.82	0.519929697	6.238745567	12134.6776
442	0.181005061	1.080672619	0.165141702	0.1	0.82	0.519998191	6.239567323	12140.91717
442.2	0.181097481	1.0812244	0.165163463	0.1	0.82	0.520066713	6.240389419	12147.15755
442.4	0.181189913	1.081776254	0.165185233	0.1	0.82	0.520135263	6.241211853	12153.39877
442.6	0.181282356	1.082328181	0.165207013	0.1	0.82	0.520203841	6.242034626	12159.6408
442.8	0.181374813	1.082880181	0.165228801	0.1	0.82	0.520272448	6.242857738	12165.88366
443	0.181467281	1.083432255	0.165250598	0.1	0.82	0.520341083	6.24368119	12172.12734
443.2	0.181559762	1.083984402	0.165272404	0.1	0.82	0.520409747	6.244504982	12178.37185
443.4	0.181652255	1.084536622	0.16529422	0.1	0.82	0.520478439	6.245329114	12184.61717
443.6	0.18174476	1.085088915	0.165316044	0.1	0.82	0.520547159	6.246153586	12190.86333
443.8	0.181837277	1.085641282	0.165337877	0.1	0.82	0.520615908	6.246978399	12197.11031
444	0.181929807	1.086193721	0.165359719	0.1	0.82	0.520684685	6.247803553	12203.35811
444.2	0.182022349	1.086746235	0.165381571	0.1	0.82	0.52075349	6.248629047	12209.60674
444.4	0.182114904	1.087298821	0.165403431	0.1	0.82	0.520822324	6.249454883	12215.85619
444.6	0.18220747	1.087851481	0.1654253	0.1	0.82	0.520891186	6.25028106	12222.10647
444.8	0.182300049	1.088404215	0.165447179	0.1	0.82	0.520960077	6.251107579	12228.35758
445	0.182392641	1.088957022	0.165469066	0.1	0.82	0.521028996	6.25193444	12234.60952
445.2	0.182485244	1.089509902	0.165490963	0.1	0.82	0.521097944	6.252761643	12240.86228
445.4	0.18257786	1.090062856	0.165512869	0.1	0.82	0.521166921	6.253589188	12247.11587
445.6	0.182670488	1.090615884	0.165534783	0.1	0.82	0.521235925	6.254417076	12253.37028
445.8	0.182763129	1.091168985	0.165556707	0.1	0.82	0.521304959	6.255245307	12259.62553
446	0.182855782	1.091722159	0.16557864	0.1	0.82	0.521374021	6.256073881	12265.8816
446.2	0.182948447	1.092275408	0.165600582	0.1	0.82	0.521443112	6.256902799	12272.13851
446.4	0.183041125	1.09282873	0.165622533	0.1	0.82	0.521512231	6.25773206	12278.39624
446.6	0.183133814	1.093382126	0.165644493	0.1	0.82	0.521581379	6.258561665	12284.6548
446.8	0.183226517	1.093935595	0.165666462	0.1	0.82	0.521650556	6.259391614	12290.91419
447	0.183319231	1.094489139	0.165688441	0.1	0.82	0.521719762	6.260221907	12297.17441
447.2	0.183411958	1.095042756	0.165710428	0.1	0.82	0.521788996	6.261052545	12303.43547
447.4	0.183504698	1.095596447	0.165732425	0.1	0.82	0.521858259	6.261883527	12309.69735
447.6	0.183597449	1.096150212	0.16575443	0.1	0.82	0.52192755	6.262714855	12315.96006
447.8	0.183690213	1.09670405	0.165776445	0.1	0.82	0.521996871	6.263546528	12322.22361
448	0.18378299	1.097257963	0.165798469	0.1	0.82	0.52206622	6.264378547	12328.48799
448.2	0.183875779	1.09781195	0.165820503	0.1	0.82	0.522135598	6.265210911	12334.7532
448.4	0.18396858	1.09836601	0.165842545	0.1	0.82	0.522205005	6.266043622	12341.01924

448.6	0.184061394	1.098920145	0.165864596	0.1	0.82	0.522274441	6.266876678	12347.28612
448.8	0.18415422	1.099474354	0.165886657	0.1	0.82	0.522343906	6.267710081	12353.55383
449	0.184247058	1.100028637	0.165908727	0.1	0.82	0.522413399	6.268543831	12359.82238
449.2	0.184339909	1.100582994	0.165930806	0.1	0.82	0.522482922	6.269377928	12366.09175
449.4	0.184432772	1.101137425	0.165952894	0.1	0.82	0.522552473	6.270212372	12372.36197
449.6	0.184525648	1.10169193	0.165974992	0.1	0.82	0.522622054	6.271047164	12378.63301
449.8	0.184618536	1.10224651	0.165997098	0.1	0.82	0.522691663	6.271882303	12384.90489
450	0.184711437	1.102801163	0.166019214	0.1	0.82	0.522761302	6.27271779	12391.17761
450.2	0.18480435	1.103355891	0.166041339	0.1	0.82	0.522830969	6.273553626	12397.45117
450.4	0.184897276	1.103910694	0.166063474	0.1	0.82	0.522900666	6.27438981	12403.72556
450.6	0.184990213	1.10446557	0.166085617	0.1	0.82	0.522970391	6.275226342	12410.00078
450.8	0.185083164	1.105020521	0.16610777	0.1	0.82	0.523040146	6.276063224	12416.27685
451	0.185176127	1.105575547	0.166129932	0.1	0.82	0.52310993	6.276900454	12422.55375
451.2	0.185269102	1.106130647	0.166152103	0.1	0.82	0.523179743	6.277738034	12428.83148
451.4	0.18536209	1.106685821	0.166174284	0.1	0.82	0.523249585	6.278575964	12435.11006
451.6	0.18545509	1.10724107	0.166196474	0.1	0.82	0.523319456	6.279414244	12441.38947
451.8	0.185548103	1.107796393	0.166218673	0.1	0.82	0.523389356	6.280252874	12447.66973
452	0.185641128	1.108351791	0.166240881	0.1	0.82	0.523459286	6.281091854	12453.95082
452.2	0.185734166	1.108907264	0.166263099	0.1	0.82	0.523529245	6.281931185	12460.23275
452.4	0.185827216	1.109462811	0.166285325	0.1	0.82	0.523599233	6.282770866	12466.51552
452.6	0.185920279	1.110018432	0.166307562	0.1	0.82	0.52366925	6.283610899	12472.79913
452.8	0.186013354	1.110574129	0.166329807	0.1	0.82	0.523739297	6.284451284	12479.08358
453	0.186106442	1.1111299	0.166352062	0.1	0.82	0.523809373	6.28529202	12485.36888
453.2	0.186199542	1.111685746	0.166374326	0.1	0.82	0.523879478	6.286133107	12491.65501
453.4	0.186292655	1.112241667	0.1663966	0.1	0.82	0.523949613	6.286974547	12497.94198
453.6	0.18638578	1.112797662	0.166418882	0.1	0.82	0.524019777	6.28781634	12504.2298
453.8	0.186478918	1.113353732	0.166441175	0.1	0.82	0.52408997	6.288658485	12510.51846
454	0.186572068	1.113909877	0.166463476	0.1	0.82	0.524160193	6.289500982	12516.80796
454.2	0.186665231	1.114466098	0.166485787	0.1	0.82	0.524230446	6.290343833	12523.0983
454.4	0.186758407	1.115022393	0.166508107	0.1	0.82	0.524300727	6.291187038	12529.38949
454.6	0.186851595	1.115578763	0.166530437	0.1	0.82	0.524371039	6.292030596	12535.68152
454.8	0.186944796	1.116135208	0.166552775	0.1	0.82	0.524441379	6.292874507	12541.97439
455	0.187038009	1.116691728	0.166575124	0.1	0.82	0.52451175	6.293718773	12548.26811
455.2	0.187131235	1.117248323	0.166597481	0.1	0.82	0.524582149	6.294563394	12554.56268
455.4	0.187224473	1.117804993	0.166619848	0.1	0.82	0.524652579	6.295408369	12560.85809
455.6	0.187317724	1.118361738	0.166642225	0.1	0.82	0.524723038	6.296253698	12567.15434
455.8	0.187410987	1.118918558	0.166664611	0.1	0.82	0.524793526	6.297099383	12573.45144

456	0.187504263	1.119475454	0.166687006	0.1	0.82	0.524864044	6.297945424	12579.74938
456.2	0.187597552	1.120032425	0.166709411	0.1	0.82	0.524934592	6.298791819	12586.04818
456.4	0.187690853	1.120589471	0.166731825	0.1	0.82	0.52500517	6.299638571	12592.34781
456.6	0.187784167	1.121146592	0.166754248	0.1	0.82	0.525075777	6.300485679	12598.6483
456.8	0.187877494	1.121703789	0.166776681	0.1	0.82	0.525146414	6.301333143	12604.94963
457	0.187970833	1.122261061	0.166799124	0.1	0.82	0.52521708	6.302180964	12611.25181
457.2	0.188064185	1.122818408	0.166821575	0.1	0.82	0.525287777	6.303029142	12617.55484
457.4	0.188157549	1.123375831	0.166844037	0.1	0.82	0.525358503	6.303877677	12623.85872
457.6	0.188250926	1.12393333	0.166866507	0.1	0.82	0.525429259	6.304726569	12630.16345
457.8	0.188344316	1.124490903	0.166888988	0.1	0.82	0.525500044	6.305575819	12636.46902
458	0.188437718	1.125048552	0.166911477	0.1	0.82	0.52557086	6.306425427	12642.77545
458.2	0.188531133	1.125606277	0.166933977	0.1	0.82	0.525641705	6.307275393	12649.08272
458.4	0.188624561	1.126164078	0.166956485	0.1	0.82	0.525712581	6.308125717	12655.39085
458.6	0.188718001	1.126721954	0.166979003	0.1	0.82	0.525783486	6.3089764	12661.69983
458.8	0.188811454	1.127279905	0.167001531	0.1	0.82	0.525854421	6.309827442	12668.00965
459	0.18890492	1.127837932	0.167024068	0.1	0.82	0.525925386	6.310678844	12674.32033
459.2	0.188998398	1.128396035	0.167046615	0.1	0.82	0.525996381	6.311530604	12680.63186
459.4	0.189091889	1.128954214	0.167069171	0.1	0.82	0.526067406	6.312382724	12686.94425
459.6	0.189185393	1.129512468	0.167091737	0.1	0.82	0.526138461	6.313235204	12693.25748
459.8	0.189278909	1.130070799	0.167114312	0.1	0.82	0.526209546	6.314088045	12699.57157
460	0.189372438	1.130629205	0.167136897	0.1	0.82	0.526280661	6.314941245	12705.88651
460.2	0.18946598	1.131187686	0.167159491	0.1	0.82	0.526351806	6.315794807	12712.20231
460.4	0.189559534	1.131746244	0.167182095	0.1	0.82	0.526422982	6.316648729	12718.51895
460.6	0.189653102	1.132304878	0.167204709	0.1	0.82	0.526494187	6.317503013	12724.83646
460.8	0.189746682	1.132863588	0.167227332	0.1	0.82	0.526565423	6.318357658	12731.15481
461	0.189840274	1.133422373	0.167249964	0.1	0.82	0.526636688	6.319212665	12737.47403
461.2	0.18993388	1.133981235	0.167272607	0.1	0.82	0.526707984	6.320068033	12743.7941
461.4	0.190027498	1.134540173	0.167295259	0.1	0.82	0.52677931	6.320923764	12750.11502
461.6	0.190121129	1.135099187	0.16731792	0.1	0.82	0.526850666	6.321779858	12756.4368
461.8	0.190214772	1.135658276	0.167340591	0.1	0.82	0.526922053	6.322636314	12762.75944
462	0.190308429	1.136217443	0.167363272	0.1	0.82	0.526993469	6.323493133	12769.08293
462.2	0.190402098	1.136776685	0.167385962	0.1	0.82	0.527064917	6.324350316	12775.40728
462.4	0.19049578	1.137336003	0.167408662	0.1	0.82	0.527136394	6.325207862	12781.73249
462.6	0.190589474	1.137895398	0.167431371	0.1	0.82	0.527207901	6.326065772	12788.05855
462.8	0.190683182	1.138454869	0.16745409	0.1	0.82	0.527279439	6.326924046	12794.38548
463	0.190776902	1.139014416	0.167476819	0.1	0.82	0.527351008	6.327782684	12800.71326
463.2	0.190870635	1.13957404	0.167499557	0.1	0.82	0.527422607	6.328641687	12807.0419

463.4	0.190964381	1.14013374	0.167522306	0.1	0.82	0.527494236	6.329501054	12813.3714
463.6	0.19105814	1.140693516	0.167545063	0.1	0.82	0.527565895	6.330360787	12819.70176
463.8	0.191151911	1.141253369	0.167567831	0.1	0.82	0.527637585	6.331220885	12826.03298
464	0.191245695	1.141813299	0.167590608	0.1	0.82	0.527709306	6.332081349	12832.36506
464.2	0.191339492	1.142373305	0.167613395	0.1	0.82	0.527781057	6.332942178	12838.69801
464.4	0.191433302	1.142933387	0.167636191	0.1	0.82	0.527852839	6.333803374	12845.03181
464.6	0.191527125	1.143493546	0.167658997	0.1	0.82	0.527924651	6.334664936	12851.36648
464.8	0.19162096	1.144053781	0.167681813	0.1	0.82	0.527996493	6.335526865	12857.702
465	0.191714809	1.144614094	0.167704639	0.1	0.82	0.528068367	6.33638916	12864.03839
465.2	0.19180867	1.145174483	0.167727474	0.1	0.82	0.528140271	6.337251823	12870.37564
465.4	0.191902544	1.145734948	0.167750319	0.1	0.82	0.528212205	6.338114853	12876.71376
465.6	0.191996431	1.14629549	0.167773174	0.1	0.82	0.52828417	6.338978251	12883.05274
465.8	0.192090331	1.14685611	0.167796038	0.1	0.82	0.528356166	6.339842017	12889.39258
466	0.192184243	1.147416805	0.167818913	0.1	0.82	0.528428193	6.340706151	12895.73328
466.2	0.192278169	1.147977578	0.167841797	0.1	0.82	0.52850025	6.341570654	12902.07485
466.4	0.192372107	1.148538428	0.167864691	0.1	0.82	0.528572338	6.342435525	12908.41729
466.6	0.192466058	1.149099354	0.167887594	0.1	0.82	0.528644456	6.343300765	12914.76059
466.8	0.192560022	1.149660358	0.167910508	0.1	0.82	0.528716606	6.344166375	12921.10476
467	0.192653999	1.150221438	0.167933431	0.1	0.82	0.528788786	6.345032354	12927.44979
467.2	0.192747989	1.150782596	0.167956364	0.1	0.82	0.528860998	6.345898703	12933.79569
467.4	0.192841992	1.15134383	0.167979306	0.1	0.82	0.52893324	6.346765423	12940.14245
467.6	0.192936008	1.151905142	0.168002259	0.1	0.82	0.529005512	6.347632512	12946.49009
467.8	0.193030037	1.15246653	0.168025221	0.1	0.82	0.529077816	6.348499972	12952.83859
468	0.193124078	1.153027996	0.168048193	0.1	0.82	0.529150151	6.349367803	12959.18795
468.2	0.193218133	1.153589539	0.168071175	0.1	0.82	0.529222517	6.350236005	12965.53819
468.4	0.1933122	1.154151159	0.168094167	0.1	0.82	0.529294913	6.351104579	12971.88929
468.6	0.19340628	1.154712856	0.168117169	0.1	0.82	0.529367341	6.351973524	12978.24127
468.8	0.193500374	1.155274631	0.16814018	0.1	0.82	0.529439799	6.352842841	12984.59411
469	0.19359448	1.155836483	0.168163202	0.1	0.82	0.529512289	6.353712531	12990.94782
469.2	0.193688599	1.156398412	0.168186233	0.1	0.82	0.52958481	6.354582593	12997.30241
469.4	0.193782731	1.156960419	0.168209274	0.1	0.82	0.529657361	6.355453027	13003.65786
469.6	0.193876876	1.157522503	0.168232325	0.1	0.82	0.529729944	6.356323835	13010.01418
469.8	0.193971034	1.158084664	0.168255386	0.1	0.82	0.529802558	6.357195016	13016.37138
470	0.194065205	1.158646903	0.168278456	0.1	0.82	0.529875203	6.358066571	13022.72944
470.2	0.19415939	1.159209219	0.168301537	0.1	0.82	0.52994788	6.358938499	13029.08838
470.4	0.194253587	1.159771613	0.168324628	0.1	0.82	0.530020587	6.359810801	13035.44819
470.6	0.194347797	1.160334085	0.168347728	0.1	0.82	0.530093326	6.360683478	13041.80888

470.8	0.19444202	1.160896634	0.168370838	0.1	0.82	0.530166096	6.36155653	13048.17043
471	0.194536256	1.16145926	0.168393959	0.1	0.82	0.530238897	6.362429956	13054.53286
471.2	0.194630505	1.162021965	0.168417089	0.1	0.82	0.530311729	6.363303758	13060.89617
471.4	0.194724767	1.162584747	0.168440229	0.1	0.82	0.530384593	6.364177935	13067.26035
471.6	0.194819042	1.163147607	0.168463379	0.1	0.82	0.530457488	6.365052487	13073.6254
471.8	0.19491333	1.163710544	0.168486539	0.1	0.82	0.530530415	6.365927416	13079.99133
472	0.195007631	1.16427356	0.168509709	0.1	0.82	0.530603372	6.366802721	13086.35813
472.2	0.195101945	1.164836653	0.168532889	0.1	0.82	0.530676361	6.367678403	13092.72581
472.4	0.195196272	1.165399824	0.168556079	0.1	0.82	0.530749382	6.368554461	13099.09436
472.6	0.195290613	1.165963073	0.168579279	0.1	0.82	0.530822434	6.369430896	13105.46379
472.8	0.195384966	1.1665264	0.168602489	0.1	0.82	0.530895518	6.370307709	13111.8341
473	0.195479332	1.167089805	0.168625709	0.1	0.82	0.530968632	6.3711849	13118.20528
473.2	0.195573712	1.167653288	0.168648939	0.1	0.82	0.531041779	6.372062468	13124.57735
473.4	0.195668104	1.168216849	0.168672179	0.1	0.82	0.531114957	6.372940414	13130.95029
473.6	0.19576251	1.168780488	0.168695429	0.1	0.82	0.531188166	6.373818739	13137.32411
473.8	0.195856928	1.169344205	0.168718689	0.1	0.82	0.531261407	6.374697443	13143.6988
474	0.19595136	1.169908	0.168741959	0.1	0.82	0.53133468	6.375576526	13150.07438
474.2	0.196045805	1.170471873	0.168765239	0.1	0.82	0.531407984	6.376455988	13156.45084
474.4	0.196140263	1.171035825	0.168788529	0.1	0.82	0.53148132	6.377335829	13162.82817
474.6	0.196234734	1.171599855	0.168811829	0.1	0.82	0.531554688	6.37821605	13169.20639
474.8	0.196329218	1.172163963	0.16883514	0.1	0.82	0.531628087	6.379096652	13175.58548
475	0.196423715	1.17272815	0.16885846	0.1	0.82	0.531701518	6.379977633	13181.96546
475.2	0.196518226	1.173292414	0.16888179	0.1	0.82	0.531774981	6.380858996	13188.34632
475.4	0.196612749	1.173856757	0.168905131	0.1	0.82	0.531848476	6.381740739	13194.72806
475.6	0.196707286	1.174421179	0.168928481	0.1	0.82	0.531922002	6.382622864	13201.11069
475.8	0.196801836	1.174985679	0.168951842	0.1	0.82	0.53199556	6.38350537	13207.49419
476	0.196896398	1.175550258	0.168975213	0.1	0.82	0.53206915	6.384388258	13213.87858
476.2	0.196990975	1.176114915	0.168998594	0.1	0.82	0.532142771	6.385271527	13220.26385
476.4	0.197085564	1.17667965	0.169021985	0.1	0.82	0.532216425	6.386155179	13226.65001
476.6	0.197180166	1.177244464	0.169045386	0.1	0.82	0.532290111	6.387039214	13233.03704
476.8	0.197274782	1.177809357	0.169068797	0.1	0.82	0.532363828	6.387923632	13239.42497
477	0.19736941	1.178374328	0.169092218	0.1	0.82	0.532437577	6.388808432	13245.81378
477.2	0.197464052	1.178939378	0.16911565	0.1	0.82	0.532511359	6.389693617	13252.20347
477.4	0.197558707	1.179504507	0.169139092	0.1	0.82	0.532585172	6.390579185	13258.59405
477.6	0.197653376	1.180069715	0.169162544	0.1	0.82	0.532659017	6.391465136	13264.98551
477.8	0.197748057	1.180635001	0.169186006	0.1	0.82	0.532732895	6.392351472	13271.37787
478	0.197842752	1.181200366	0.169209478	0.1	0.82	0.532806804	6.393238193	13277.7711

478.2	0.19793746	1.18176581	0.16923296	0.1	0.82	0.532880746	6.394125299	13284.16523
478.4	0.198032181	1.182331333	0.169256453	0.1	0.82	0.532954719	6.395012789	13290.56024
478.6	0.198126915	1.182896935	0.169279956	0.1	0.82	0.533028725	6.395900665	13296.95614
478.8	0.198221663	1.183462616	0.169303469	0.1	0.82	0.533102763	6.396788927	13303.35293
479	0.198316424	1.184028375	0.169326992	0.1	0.82	0.533176833	6.397677574	13309.75061
479.2	0.198411198	1.184594214	0.169350526	0.1	0.82	0.533250935	6.398566608	13316.14918
479.4	0.198505985	1.185160132	0.169374069	0.1	0.82	0.53332507	6.399456029	13322.54863
479.6	0.198600785	1.185726129	0.169397623	0.1	0.82	0.533399236	6.400345836	13328.94898
479.8	0.198695599	1.186292205	0.169421188	0.1	0.82	0.533473435	6.40123603	13335.35021
480	0.198790426	1.18685836	0.169444762	0.1	0.82	0.533547667	6.402126612	13341.75234
480.2	0.198885266	1.187424595	0.169468347	0.1	0.82	0.53362193	6.403017581	13348.15536
480.4	0.19898012	1.187990909	0.169491942	0.1	0.82	0.533696226	6.403908938	13354.55927
480.6	0.199074987	1.188557302	0.169515547	0.1	0.82	0.533770554	6.404800683	13360.96407
480.8	0.199169867	1.189123774	0.169539163	0.1	0.82	0.533844915	6.405692817	13367.36976
481	0.19926476	1.189690325	0.169562788	0.1	0.82	0.533919308	6.40658534	13373.77635
481.2	0.199359667	1.190256956	0.169586425	0.1	0.82	0.533993734	6.407478252	13380.18382
481.4	0.199454587	1.190823667	0.169610071	0.1	0.82	0.534068192	6.408371553	13386.5922
481.6	0.19954952	1.191390457	0.169633728	0.1	0.82	0.534142682	6.409265243	13393.00146
481.8	0.199644467	1.191957326	0.169657395	0.1	0.82	0.534217205	6.410159324	13399.41162
482	0.199739427	1.192524275	0.169681072	0.1	0.82	0.534291761	6.411053795	13405.82267
482.2	0.1998344	1.193091303	0.16970476	0.1	0.82	0.534366349	6.411948656	13412.23462
482.4	0.199929387	1.193658411	0.169728458	0.1	0.82	0.534440969	6.412843908	13418.64747
482.6	0.200024387	1.194225598	0.169752167	0.1	0.82	0.534515623	6.413739552	13425.06121
482.8	0.2001194	1.194792866	0.169775886	0.1	0.82	0.534590308	6.414635586	13431.47584
483	0.200214427	1.195360213	0.169799615	0.1	0.82	0.534665027	6.415532012	13437.89137
483.2	0.200309467	1.195927639	0.169823354	0.1	0.82	0.534739778	6.41642883	13444.3078
483.4	0.20040452	1.196495146	0.169847104	0.1	0.82	0.534814562	6.417326041	13450.72513
483.6	0.200499587	1.197062732	0.169870865	0.1	0.82	0.534889379	6.418223644	13457.14335
483.8	0.200594667	1.197630398	0.169894635	0.1	0.82	0.534964228	6.419121639	13463.56247
484	0.20068976	1.198198144	0.169918417	0.1	0.82	0.53503911	6.420020028	13469.98249
484.2	0.200784867	1.198765969	0.169942208	0.1	0.82	0.535114025	6.42091881	13476.40341
484.4	0.200879987	1.199333875	0.16996601	0.1	0.82	0.535188973	6.421817986	13482.82523
484.6	0.200975121	1.199901861	0.169989823	0.1	0.82	0.535263953	6.422717556	13489.24795
484.8	0.201070268	1.200469926	0.170013645	0.1	0.82	0.535338967	6.42361752	13495.67157
485	0.201165428	1.201038072	0.170037479	0.1	0.82	0.535414013	6.424517878	13502.09608
485.2	0.201260602	1.201606298	0.170061322	0.1	0.82	0.535489092	6.425418631	13508.5215
485.4	0.201355789	1.202174604	0.170085177	0.1	0.82	0.535564204	6.42631978	13514.94782

485.6	0.20145099	1.20274299	0.170109041	0.1	0.82	0.53563935	6.427221324	13521.37504
485.8	0.201546204	1.203311456	0.170132917	0.1	0.82	0.535714528	6.428123263	13527.80317
486	0.201641431	1.203880002	0.170156802	0.1	0.82	0.535789739	6.429025599	13534.23219
486.2	0.201736672	1.204448629	0.170180698	0.1	0.82	0.535864983	6.429928331	13540.66212
486.4	0.201831927	1.205017336	0.170204605	0.1	0.82	0.53594026	6.430831459	13547.09295
486.6	0.201927195	1.205586123	0.170228522	0.1	0.82	0.536015571	6.431734984	13553.52469
486.8	0.202022476	1.206154991	0.17025245	0.1	0.82	0.536090914	6.432638907	13559.95733
487	0.202117771	1.206723939	0.170276388	0.1	0.82	0.53616629	6.433543226	13566.39087
487.2	0.202213079	1.207292967	0.170300337	0.1	0.82	0.5362417	6.434447944	13572.82532
487.4	0.202308401	1.207862076	0.170324296	0.1	0.82	0.536317143	6.43535306	13579.26067
487.6	0.202403736	1.208431266	0.170348266	0.1	0.82	0.536392619	6.436258574	13585.69693
487.8	0.202499085	1.209000536	0.170372246	0.1	0.82	0.536468129	6.437164486	13592.13409
488	0.202594447	1.209569886	0.170396237	0.1	0.82	0.536543671	6.438070798	13598.57216
488.2	0.202689823	1.210139317	0.170420239	0.1	0.82	0.536619247	6.438977509	13605.01114
488.4	0.202785212	1.210708829	0.170444251	0.1	0.82	0.536694856	6.439884619	13611.45103
488.6	0.202880615	1.211278422	0.170468273	0.1	0.82	0.536770499	6.440792129	13617.89182
488.8	0.202976031	1.211848095	0.170492306	0.1	0.82	0.536846175	6.441700039	13624.33352
489	0.203071461	1.212417849	0.17051635	0.1	0.82	0.536921884	6.44260835	13630.77613
489.2	0.203166904	1.212987684	0.170540405	0.1	0.82	0.536997626	6.443517061	13637.21964
489.4	0.203262361	1.213557599	0.17056447	0.1	0.82	0.537073403	6.444426174	13643.66407
489.6	0.203357831	1.214127595	0.170588545	0.1	0.82	0.537149212	6.445335687	13650.10941
489.8	0.203453315	1.214697673	0.170612632	0.1	0.82	0.537225055	6.446245603	13656.55565
490	0.203548813	1.215267831	0.170636729	0.1	0.82	0.537300932	6.44715592	13663.00281
490.2	0.203644324	1.21583807	0.170660836	0.1	0.82	0.537376842	6.448066639	13669.45087
490.4	0.203739848	1.21640839	0.170684955	0.1	0.82	0.537452785	6.448977761	13675.89985
490.6	0.203835386	1.216978792	0.170709084	0.1	0.82	0.537528762	6.449889285	13682.34974
490.8	0.203930938	1.217549274	0.170733223	0.1	0.82	0.537604773	6.450801213	13688.80054
491	0.204026504	1.218119837	0.170757373	0.1	0.82	0.537680818	6.451713544	13695.25226
491.2	0.204122083	1.218690482	0.170781534	0.1	0.82	0.537756896	6.452626279	13701.70488
491.4	0.204217675	1.219261207	0.170805706	0.1	0.82	0.537833007	6.453539418	13708.15842
491.6	0.204313281	1.219832014	0.170829888	0.1	0.82	0.537909153	6.454452961	13714.61287
491.8	0.204408901	1.220402903	0.170854082	0.1	0.82	0.537985332	6.455366908	13721.06824
492	0.204504534	1.220973872	0.170878285	0.1	0.82	0.538061545	6.456281261	13727.52452
492.2	0.204600181	1.221544923	0.1709025	0.1	0.82	0.538137792	6.457196018	13733.98172
492.4	0.204695842	1.222116055	0.170926725	0.1	0.82	0.538214072	6.458111182	13740.43983
492.6	0.204791516	1.222687269	0.170950961	0.1	0.82	0.538290386	6.459026751	13746.89886
492.8	0.204887204	1.223258564	0.170975208	0.1	0.82	0.538366735	6.459942726	13753.3588

493	0.204982906	1.22382994	0.170999465	0.1	0.82	0.538443117	6.460859107	13759.81966
493.2	0.205078621	1.224401398	0.171023734	0.1	0.82	0.538519533	6.461775895	13766.28143
493.4	0.20517435	1.224972938	0.171048013	0.1	0.82	0.538595982	6.462693091	13772.74413
493.6	0.205270092	1.225544559	0.171072303	0.1	0.82	0.538672466	6.463610693	13779.20774
493.8	0.205365848	1.226116261	0.171096603	0.1	0.82	0.538748984	6.464528703	13785.67227
494	0.205461618	1.226688046	0.171120915	0.1	0.82	0.538825536	6.465447121	13792.13771
494.2	0.205557402	1.227259912	0.171145237	0.1	0.82	0.538902122	6.466365947	13798.60408
494.4	0.205653199	1.22783186	0.17116957	0.1	0.82	0.538978742	6.467285182	13805.07137
494.6	0.20574901	1.228403889	0.171193914	0.1	0.82	0.539055396	6.468204826	13811.53957
494.8	0.205844835	1.228976	0.171218269	0.1	0.82	0.539132084	6.469124879	13818.00869
495	0.205940673	1.229548194	0.171242634	0.1	0.82	0.539208806	6.470045341	13824.47874
495.2	0.206036525	1.230120469	0.17126701	0.1	0.82	0.539285563	6.470966213	13830.94971
495.4	0.206132391	1.230692826	0.171291398	0.1	0.82	0.539362353	6.471887495	13837.42159
495.6	0.20622827	1.231265265	0.171315796	0.1	0.82	0.539439178	6.472809187	13843.8944
495.8	0.206324163	1.231837785	0.171340205	0.1	0.82	0.539516037	6.47373129	13850.36813
496	0.20642007	1.232410388	0.171364625	0.1	0.82	0.53959293	6.474653804	13856.84279
496.2	0.206515991	1.232983073	0.171389055	0.1	0.82	0.539669858	6.47557673	13863.31836
496.4	0.206611926	1.23355584	0.171413497	0.1	0.82	0.53974682	6.476500067	13869.79486
496.6	0.206707874	1.23412869	0.17143795	0.1	0.82	0.539823816	6.477423815	13876.27229
496.8	0.206803836	1.234701621	0.171462413	0.1	0.82	0.539900847	6.478347977	13882.75064
497	0.206899811	1.235274634	0.171486888	0.1	0.82	0.539977912	6.47927255	13889.22991
497.2	0.206995801	1.23584773	0.171511373	0.1	0.82	0.540055011	6.480197537	13895.71011
497.4	0.207091804	1.236420908	0.171535869	0.1	0.82	0.540132145	6.481122936	13902.19123
497.6	0.207187821	1.236994169	0.171560376	0.1	0.82	0.540209313	6.482048749	13908.67328
497.8	0.207283852	1.237567511	0.171584895	0.1	0.82	0.540286516	6.482974976	13915.15625
498	0.207379897	1.238140937	0.171609424	0.1	0.82	0.540363753	6.483901617	13921.64016
498.2	0.207475955	1.238714444	0.171633964	0.1	0.82	0.540441025	6.484828672	13928.12498
498.4	0.207572028	1.239288034	0.171658515	0.1	0.82	0.540518332	6.485756142	13934.61074
498.6	0.207668114	1.239861707	0.171683077	0.1	0.82	0.540595673	6.486684027	13941.09742
498.8	0.207764214	1.240435462	0.17170765	0.1	0.82	0.540673048	6.487612327	13947.58504
499	0.207860328	1.241009299	0.171732234	0.1	0.82	0.540750459	6.488541043	13954.07358
499.2	0.207956455	1.24158322	0.171756829	0.1	0.82	0.540827904	6.489470175	13960.56305
499.4	0.208052597	1.242157222	0.171781435	0.1	0.82	0.540905383	6.490399723	13967.05345
499.6	0.208148752	1.242731308	0.171806052	0.1	0.82	0.540982898	6.491329687	13973.54478
499.8	0.208244921	1.243305476	0.171830681	0.1	0.82	0.541060447	6.492260069	13980.03704
500	0.208341104	1.243879727	0.17185532	0.1	0.82	0.541138031	6.493190868	13986.53023
500.2	0.208437301	1.244454061	0.17187997	0.1	0.82	0.54121565	6.494122084	13993.02435

500.4	0.208533512	1.245028478	0.171904631	0.1	0.82	0.541293303	6.495053718	13999.5194
500.6	0.208629736	1.245602977	0.171929304	0.1	0.82	0.541370992	6.49598577	14006.01539
500.8	0.208725975	1.24617756	0.171953987	0.1	0.82	0.541448715	6.496918241	14012.51231
501	0.208822227	1.246752225	0.171978682	0.1	0.82	0.541526473	6.497851131	14019.01016
501.2	0.208918494	1.247326974	0.172003387	0.1	0.82	0.541604267	6.498784439	14025.50894
501.4	0.209014774	1.247901805	0.172028104	0.1	0.82	0.541682095	6.499718167	14032.00866
501.6	0.209111068	1.24847672	0.172052832	0.1	0.82	0.541759958	6.500652315	14038.50931
501.8	0.209207376	1.249051717	0.172077571	0.1	0.82	0.541837856	6.501586883	14045.0109
502	0.209303698	1.249626798	0.172102321	0.1	0.82	0.541915789	6.502521871	14051.51342
502.2	0.209400034	1.250201962	0.172127083	0.1	0.82	0.541993757	6.503457279	14058.01688
502.4	0.209496384	1.250777209	0.172151855	0.1	0.82	0.542071761	6.504393109	14064.52127
502.6	0.209592747	1.251352539	0.172176638	0.1	0.82	0.542149799	6.50532936	14071.0266
502.8	0.209689125	1.251927953	0.172201433	0.1	0.82	0.542227873	6.506266033	14077.53287
503	0.209785517	1.25250345	0.172226239	0.1	0.82	0.542305982	6.507203128	14084.04007
503.2	0.209881922	1.25307903	0.172251056	0.1	0.82	0.542384126	6.508140645	14090.54821
503.4	0.209978342	1.253654694	0.172275884	0.1	0.82	0.542462305	6.509078584	14097.05729
503.6	0.210074776	1.254230441	0.172300724	0.1	0.82	0.542540519	6.510016947	14103.56731
503.8	0.210171223	1.254806271	0.172325575	0.1	0.82	0.542618769	6.510955732	14110.07826
504	0.210267685	1.255382185	0.172350436	0.1	0.82	0.542697054	6.511894941	14116.59016
504.2	0.21036416	1.255958183	0.17237531	0.1	0.82	0.542775375	6.512834575	14123.10299
504.4	0.21046065	1.256534264	0.172400194	0.1	0.82	0.542853731	6.513774632	14129.61677
504.6	0.210557153	1.257110429	0.172425089	0.1	0.82	0.542932122	6.514715114	14136.13148
504.8	0.210653671	1.257686678	0.172449996	0.1	0.82	0.543010548	6.51565602	14142.64714
505	0.210750203	1.25826301	0.172474914	0.1	0.82	0.54308901	6.516597352	14149.16374
505.2	0.210846748	1.258839426	0.172499844	0.1	0.82	0.543167508	6.51753911	14155.68128
505.4	0.210943308	1.259415926	0.172524784	0.1	0.82	0.543246041	6.518481293	14162.19976
505.6	0.211039882	1.259992509	0.172549736	0.1	0.82	0.543324609	6.519423902	14168.71918
505.8	0.211136469	1.260569177	0.172574699	0.1	0.82	0.543403214	6.520366938	14175.23955
506	0.211233071	1.261145928	0.172599674	0.1	0.82	0.543481853	6.5213104	14181.76086
506.2	0.211329687	1.261722763	0.17262466	0.1	0.82	0.543560528	6.52225429	14188.28311
506.4	0.211426317	1.262299682	0.172649657	0.1	0.82	0.543639239	6.523198607	14194.80631
506.6	0.211522961	1.262876686	0.172674665	0.1	0.82	0.543717986	6.524143351	14201.33045
506.8	0.211619619	1.263453773	0.172699685	0.1	0.82	0.543796768	6.525088524	14207.85554
507	0.211716291	1.264030944	0.172724716	0.1	0.82	0.543875586	6.526034126	14214.38158
507.2	0.211812977	1.2646082	0.172749759	0.1	0.82	0.54395444	6.526980156	14220.90856
507.4	0.211909678	1.265185539	0.172774812	0.1	0.82	0.544033329	6.527926615	14227.43648
507.6	0.212006392	1.265762963	0.172799878	0.1	0.82	0.544112255	6.528873503	14233.96536

507.8	0.212103121	1.266340471	0.172824954	0.1	0.82	0.544191216	6.529820821	14240.49518
508	0.212199863	1.266918064	0.172850042	0.1	0.82	0.544270213	6.530768569	14247.02595
508.2	0.21229662	1.26749574	0.172875141	0.1	0.82	0.544349245	6.531716748	14253.55766
508.4	0.212393391	1.268073501	0.172900252	0.1	0.82	0.544428314	6.532665357	14260.09033
508.6	0.212490176	1.268651347	0.172925374	0.1	0.82	0.544507419	6.533614398	14266.62394
508.8	0.212586975	1.269229276	0.172950508	0.1	0.82	0.544586559	6.534563869	14273.15851
509	0.212683788	1.269807291	0.172975653	0.1	0.82	0.544665736	6.535513773	14279.69402
509.2	0.212780616	1.270385389	0.173000809	0.1	0.82	0.544744949	6.536464108	14286.23048
509.4	0.212877458	1.270963573	0.173025977	0.1	0.82	0.544824197	6.537414876	14292.7679
509.6	0.212974313	1.271541841	0.173051157	0.1	0.82	0.544903482	6.538366076	14299.30627
509.8	0.213071183	1.272120193	0.173076347	0.1	0.82	0.544982803	6.539317709	14305.84558
510	0.213168068	1.27269863	0.17310155	0.1	0.82	0.54506216	6.540269776	14312.38585
510.2	0.213264966	1.273277152	0.173126764	0.1	0.82	0.545141553	6.541222277	14318.92708
510.4	0.213361878	1.273855759	0.173151989	0.1	0.82	0.545220982	6.542175211	14325.46925
510.6	0.213458805	1.27443445	0.173177226	0.1	0.82	0.545300448	6.54312858	14332.01238
510.8	0.213555746	1.275013227	0.173202474	0.1	0.82	0.545379949	6.544082383	14338.55646
511	0.213652701	1.275592088	0.173227734	0.1	0.82	0.545459487	6.545036622	14345.1015
511.2	0.213749671	1.276171034	0.173253005	0.1	0.82	0.545539062	6.545991295	14351.64749
511.4	0.213846654	1.276750065	0.173278288	0.1	0.82	0.545618672	6.546946405	14358.19444
511.6	0.213943652	1.27732918	0.173303582	0.1	0.82	0.545698319	6.54790195	14364.74234
511.8	0.214040664	1.277908381	0.173328888	0.1	0.82	0.545778003	6.548857932	14371.2912
512	0.21413769	1.278487667	0.173354206	0.1	0.82	0.545857722	6.54981435	14377.84101
512.2	0.214234731	1.279067038	0.173379535	0.1	0.82	0.545937479	6.550771206	14384.39178
512.4	0.214331786	1.279646494	0.173404875	0.1	0.82	0.546017271	6.551728498	14390.94351
512.6	0.214428855	1.280226036	0.173430227	0.1	0.82	0.5460971	6.552686229	14397.4962
512.8	0.214525938	1.280805662	0.173455591	0.1	0.82	0.546176966	6.553644397	14404.04984
513	0.214623036	1.281385374	0.173480967	0.1	0.82	0.546256868	6.554603004	14410.60444
513.2	0.214720148	1.281965171	0.173506354	0.1	0.82	0.546336807	6.55556205	14417.16001
513.4	0.214817274	1.282545054	0.173531752	0.1	0.82	0.546416782	6.556521534	14423.71653
513.6	0.214914415	1.283125021	0.173557163	0.1	0.82	0.546496794	6.557481458	14430.27401
513.8	0.215011569	1.283705074	0.173582585	0.1	0.82	0.546576843	6.558441822	14436.83245
514	0.215108739	1.284285213	0.173608018	0.1	0.82	0.546656928	6.559402625	14443.39185
514.2	0.215205922	1.284865437	0.173633464	0.1	0.82	0.54673705	6.560363869	14449.95222
514.4	0.21530312	1.285445747	0.173658921	0.1	0.82	0.546817209	6.561325554	14456.51354
514.6	0.215400332	1.286026142	0.173684389	0.1	0.82	0.546897404	6.56228768	14463.07583
514.8	0.215497558	1.286606623	0.173709869	0.1	0.82	0.546977637	6.563250247	14469.63908
515	0.215594799	1.287187189	0.173735361	0.1	0.82	0.547057906	6.564213256	14476.20329

515.2	0.215692054	1.287767841	0.173760865	0.1	0.82	0.547138212	6.565176707	14482.76847
515.4	0.215789324	1.288348579	0.17378638	0.1	0.82	0.547218555	6.566140601	14489.33461
515.6	0.215886608	1.288929402	0.173811908	0.1	0.82	0.547298935	6.567104937	14495.90172
515.8	0.215983906	1.289510312	0.173837446	0.1	0.82	0.547379351	6.568069716	14502.46979
516	0.216081219	1.290091307	0.173862997	0.1	0.82	0.547459805	6.569034939	14509.03882
516.2	0.216178545	1.290672388	0.173888559	0.1	0.82	0.547540296	6.570000606	14515.60882
516.4	0.216275887	1.291253555	0.173914133	0.1	0.82	0.547620824	6.570966716	14522.17979
516.6	0.216373243	1.291834808	0.173939719	0.1	0.82	0.547701388	6.571933271	14528.75172
516.8	0.216470613	1.292416147	0.173965317	0.1	0.82	0.54778199	6.572900271	14535.32462
517	0.216567997	1.292997572	0.173990926	0.1	0.82	0.547862629	6.573867717	14541.89849
517.2	0.216665396	1.293579083	0.174016548	0.1	0.82	0.547943305	6.574835607	14548.47332
517.4	0.21676281	1.29416068	0.174042181	0.1	0.82	0.548024019	6.575803944	14555.04913
517.6	0.216860238	1.294742363	0.174067826	0.1	0.82	0.548104769	6.576772726	14561.6259
517.8	0.21695768	1.295324133	0.174093482	0.1	0.82	0.548185557	6.577741956	14568.20364
518	0.217055137	1.295905989	0.174119151	0.1	0.82	0.548266382	6.578711632	14574.78235
518.2	0.217152608	1.296487931	0.174144831	0.1	0.82	0.548347244	6.579681755	14581.36204
518.4	0.217250094	1.297069959	0.174170523	0.1	0.82	0.548428144	6.580652326	14587.94269
518.6	0.217347594	1.297652074	0.174196227	0.1	0.82	0.548509081	6.581623345	14594.52431
518.8	0.217445108	1.298234275	0.174221943	0.1	0.82	0.548590055	6.582594812	14601.10691
519	0.217542637	1.298816562	0.174247671	0.1	0.82	0.548671067	6.583566728	14607.69047
519.2	0.217640181	1.299398936	0.174273411	0.1	0.82	0.548752116	6.584539093	14614.27501
519.4	0.217737739	1.299981397	0.174299162	0.1	0.82	0.548833202	6.585511907	14620.86052
519.6	0.217835312	1.300563944	0.174324926	0.1	0.82	0.548914326	6.586485171	14627.44701
519.8	0.217932899	1.301146577	0.174350701	0.1	0.82	0.548995488	6.587458884	14634.03447
520	0.2180305	1.301729298	0.174376488	0.1	0.82	0.549076687	6.588433048	14640.6229
520.2	0.218128116	1.302312105	0.174402288	0.1	0.82	0.549157924	6.589407663	14647.21231
520.4	0.218225747	1.302894998	0.174428099	0.1	0.82	0.549239198	6.590382729	14653.80269
520.6	0.218323392	1.303477979	0.174453922	0.1	0.82	0.54932051	6.591358247	14660.39405
520.8	0.218421052	1.304061046	0.174479757	0.1	0.82	0.549401859	6.592334216	14666.98638
521	0.218518726	1.3046442	0.174505604	0.1	0.82	0.549483247	6.593310637	14673.5797
521.2	0.218616415	1.305227441	0.174531463	0.1	0.82	0.549564672	6.594287511	14680.17398
521.4	0.218714118	1.305810769	0.174557334	0.1	0.82	0.549646134	6.595264837	14686.76925
521.6	0.218811836	1.306394184	0.174583217	0.1	0.82	0.549727635	6.596242617	14693.36549
521.8	0.218909568	1.306977686	0.174609112	0.1	0.82	0.549809173	6.59722085	14699.96271
522	0.219007315	1.307561275	0.17463502	0.1	0.82	0.54989075	6.598199537	14706.56091
522.2	0.219105077	1.308144951	0.174660939	0.1	0.82	0.549972364	6.599178679	14713.16009
522.4	0.219202853	1.308728714	0.17468687	0.1	0.82	0.550054016	6.600158275	14719.76025

522.6	0.219300644	1.309312564	0.174712813	0.1	0.82	0.550135705	6.601138326	14726.36139
522.8	0.219398449	1.309896501	0.174738768	0.1	0.82	0.550217433	6.602118832	14732.9635
523	0.219496269	1.310480526	0.174764735	0.1	0.82	0.550299199	6.603099794	14739.5666
523.2	0.219594104	1.311064638	0.174790715	0.1	0.82	0.550381003	6.604081212	14746.17069
523.4	0.219691953	1.311648837	0.174816706	0.1	0.82	0.550462845	6.605063086	14752.77575
523.6	0.219789817	1.312233124	0.17484271	0.1	0.82	0.550544725	6.606045417	14759.38179
523.8	0.219887696	1.312817498	0.174868725	0.1	0.82	0.550626643	6.607028205	14765.98882
524	0.219985589	1.31340196	0.174894753	0.1	0.82	0.550708599	6.608011451	14772.59683
524.2	0.220083497	1.313986509	0.174920793	0.1	0.82	0.550790593	6.608995154	14779.20583
524.4	0.220181419	1.314571145	0.174946845	0.1	0.82	0.550872626	6.609979316	14785.81581
524.6	0.220279356	1.315155869	0.174972909	0.1	0.82	0.550954697	6.610963936	14792.42677
524.8	0.220377308	1.315740681	0.174998986	0.1	0.82	0.551036806	6.611949015	14799.03872
525	0.220475275	1.316325581	0.175025074	0.1	0.82	0.551118953	6.612934553	14805.65166
525.2	0.220573256	1.316910568	0.175051175	0.1	0.82	0.551201139	6.613920551	14812.26558
525.4	0.220671252	1.317495642	0.175077287	0.1	0.82	0.551283363	6.614907009	14818.88048
525.6	0.220769263	1.318080805	0.175103412	0.1	0.82	0.551365625	6.615893927	14825.49638
525.8	0.220867288	1.318666055	0.17512955	0.1	0.82	0.551447926	6.616881305	14832.11326
526	0.220965328	1.319251394	0.175155699	0.1	0.82	0.551530265	6.617869145	14838.73113
526.2	0.221063383	1.31983682	0.175181861	0.1	0.82	0.551612643	6.618857446	14845.34999
526.4	0.221161452	1.320422334	0.175208034	0.1	0.82	0.551695059	6.619846209	14851.96983
526.6	0.221259536	1.321007936	0.175234221	0.1	0.82	0.551777514	6.620835434	14858.59067
526.8	0.221357635	1.321593626	0.175260419	0.1	0.82	0.551860007	6.621825122	14865.21249
527	0.221455749	1.322179405	0.175286629	0.1	0.82	0.551942539	6.622815273	14871.83531
527.2	0.221553878	1.322765271	0.175312852	0.1	0.82	0.552025109	6.623805886	14878.45911
527.4	0.221652021	1.323351225	0.175339087	0.1	0.82	0.552107718	6.624796963	14885.08391
527.6	0.221750179	1.323937268	0.175365335	0.1	0.82	0.552190366	6.625788505	14891.7097
527.8	0.221848352	1.324523399	0.175391594	0.1	0.82	0.552273052	6.62678051	14898.33648
528	0.221946539	1.325109618	0.175417866	0.1	0.82	0.552355778	6.62777298	14904.96425
528.2	0.222044742	1.325695925	0.175444151	0.1	0.82	0.552438542	6.628765916	14911.59302
528.4	0.222142959	1.326282321	0.175470447	0.1	0.82	0.552521344	6.629759316	14918.22278
528.6	0.222241191	1.326868805	0.175496756	0.1	0.82	0.552604186	6.630753183	14924.85353
528.8	0.222339438	1.327455378	0.175523078	0.1	0.82	0.552687066	6.631747515	14931.48528
529	0.222437699	1.328042039	0.175549411	0.1	0.82	0.552769986	6.632742314	14938.11802
529.2	0.222535976	1.328628789	0.175575757	0.1	0.82	0.552852944	6.63373758	14944.75176
529.4	0.222634267	1.329215627	0.175602116	0.1	0.82	0.552935941	6.634733313	14951.38649
529.6	0.222732573	1.329802554	0.175628486	0.1	0.82	0.553018978	6.635729514	14958.02222
529.8	0.222830894	1.33038957	0.175654869	0.1	0.82	0.553102053	6.636726183	14964.65895

530	0.22292923	1.330976674	0.175681265	0.1	0.82	0.553185167	6.63772332	14971.29667
530.2	0.22302758	1.331563867	0.175707673	0.1	0.82	0.553268321	6.638720926	14977.93539
530.4	0.223125946	1.332151148	0.175734093	0.1	0.82	0.553351513	6.639719001	14984.57511
530.6	0.223224326	1.332738519	0.175760526	0.1	0.82	0.553434745	6.640717545	14991.21583
530.8	0.223322722	1.333325978	0.175786971	0.1	0.82	0.553518015	6.64171656	14997.85754
531	0.223421132	1.333913526	0.175813429	0.1	0.82	0.553601325	6.642716044	15004.50026
531.2	0.223519557	1.334501164	0.175839899	0.1	0.82	0.553684675	6.643715999	15011.14398
531.4	0.223617997	1.33508889	0.175866382	0.1	0.82	0.553768063	6.644716425	15017.78869
531.6	0.223716452	1.335676705	0.175892877	0.1	0.82	0.553851491	6.645717323	15024.43441
531.8	0.223814922	1.336264609	0.175919384	0.1	0.82	0.553934958	6.646718692	15031.08113
532	0.223913407	1.336852603	0.175945905	0.1	0.82	0.554018464	6.647720533	15037.72885
532.2	0.224011906	1.337440685	0.175972437	0.1	0.82	0.55410201	6.648722846	15044.37757
532.4	0.224110421	1.338028857	0.175998982	0.1	0.82	0.554185595	6.649725633	15051.0273
532.6	0.22420895	1.338617118	0.17602554	0.1	0.82	0.55426922	6.650728892	15057.67803
532.8	0.224307495	1.339205468	0.17605211	0.1	0.82	0.554352884	6.651732626	15064.32976
533	0.224406055	1.339793908	0.176078693	0.1	0.82	0.554436588	6.652736833	15070.9825
533.2	0.224504629	1.340382437	0.176105288	0.1	0.82	0.554520331	6.653741514	15077.63624
533.4	0.224603218	1.340971055	0.176131896	0.1	0.82	0.554604114	6.65474667	15084.29098
533.6	0.224701823	1.341559763	0.176158516	0.1	0.82	0.554687936	6.655752302	15090.94674
533.8	0.224800442	1.34214856	0.176185149	0.1	0.82	0.554771798	6.656758408	15097.60349
534	0.224899077	1.342737447	0.176211795	0.1	0.82	0.5548557	6.657764991	15104.26126
534.2	0.224997726	1.343326424	0.176238453	0.1	0.82	0.554939641	6.658772049	15110.92003
534.4	0.22509639	1.34391549	0.176265124	0.1	0.82	0.555023623	6.659779585	15117.57981
534.6	0.22519507	1.344504645	0.176291808	0.1	0.82	0.555107644	6.660787597	15124.2406
534.8	0.225293764	1.345093891	0.176318504	0.1	0.82	0.555191704	6.661796087	15130.9024
535	0.225392474	1.345683226	0.176345212	0.1	0.82	0.555275805	6.662805054	15137.5652
535.2	0.225491198	1.346272651	0.176371934	0.1	0.82	0.555359945	6.663814499	15144.22901
535.4	0.225589938	1.346862166	0.176398668	0.1	0.82	0.555444125	6.664824423	15150.89384
535.6	0.225688693	1.347451771	0.176425415	0.1	0.82	0.555528346	6.665834826	15157.55967
535.8	0.225787462	1.348041465	0.176452174	0.1	0.82	0.555612606	6.666845708	15164.22652
536	0.225886247	1.34863125	0.176478946	0.1	0.82	0.555696906	6.66785707	15170.89438
536.2	0.225985047	1.349221124	0.176505731	0.1	0.82	0.555781246	6.668868912	15177.56325
536.4	0.226083862	1.349811089	0.176532529	0.1	0.82	0.555865626	6.669881234	15184.23313
536.6	0.226182692	1.350401144	0.176559339	0.1	0.82	0.555950047	6.670894037	15190.90402
536.8	0.226281537	1.350991288	0.176586162	0.1	0.82	0.556034507	6.671907321	15197.57593
537	0.226380397	1.351581523	0.176612998	0.1	0.82	0.556119007	6.672921087	15204.24885
537.2	0.226479273	1.352171849	0.176639846	0.1	0.82	0.556203548	6.673935334	15210.92278

537.4	0.226578163	1.352762264	0.176666708	0.1	0.82	0.556288129	6.674950064	15217.59773
537.6	0.226677069	1.35335277	0.176693582	0.1	0.82	0.55637275	6.675965277	15224.2737
537.8	0.226775989	1.353943366	0.176720469	0.1	0.82	0.556457412	6.676980972	15230.95068
538	0.226874925	1.354534053	0.176747368	0.1	0.82	0.556542113	6.677997151	15237.62868
538.2	0.226973876	1.35512483	0.176774281	0.1	0.82	0.556626856	6.679013815	15244.30769
538.4	0.227072842	1.355715697	0.176801206	0.1	0.82	0.556711638	6.680030962	15250.98772
538.6	0.227171824	1.356306655	0.176828144	0.1	0.82	0.556796461	6.681048594	15257.66877
538.8	0.22727082	1.356897704	0.176855095	0.1	0.82	0.556881324	6.682066711	15264.35084
539	0.227369832	1.357488843	0.176882059	0.1	0.82	0.556966228	6.683085313	15271.03392
539.2	0.227468859	1.358080073	0.176909036	0.1	0.82	0.557051172	6.684104401	15277.71803
539.4	0.227567901	1.358671393	0.176936025	0.1	0.82	0.557136157	6.685123976	15284.40315
539.6	0.227666958	1.359262805	0.176963028	0.1	0.82	0.557221182	6.686144037	15291.0893
539.8	0.22776603	1.359854307	0.176990043	0.1	0.82	0.557306248	6.687164585	15297.77646
540	0.227865118	1.3604459	0.177017072	0.1	0.82	0.557391355	6.68818562	15304.46465
540.2	0.227964221	1.361037583	0.177044113	0.1	0.82	0.557476502	6.689207143	15311.15385
540.4	0.228063339	1.361629358	0.177071167	0.1	0.82	0.55756169	6.690229154	15317.84408
540.6	0.228162472	1.362221224	0.177098234	0.1	0.82	0.557646919	6.691251654	15324.53533
540.8	0.228261621	1.36281318	0.177125314	0.1	0.82	0.557732188	6.692274643	15331.22761
541	0.228360785	1.363405228	0.177152407	0.1	0.82	0.557817499	6.693298121	15337.92091
541.2	0.228459964	1.363997367	0.177179513	0.1	0.82	0.55790285	6.694322088	15344.61523
541.4	0.228559158	1.364589597	0.177206632	0.1	0.82	0.557988241	6.695346546	15351.31058
541.6	0.228658368	1.365181918	0.177233763	0.1	0.82	0.558073674	6.696371495	15358.00695
541.8	0.228757592	1.36577433	0.177260908	0.1	0.82	0.558159148	6.697396934	15364.70434
542	0.228856833	1.366366834	0.177288066	0.1	0.82	0.558244663	6.698422865	15371.40277
542.2	0.228956088	1.366959429	0.177315237	0.1	0.82	0.558330218	6.699449287	15378.10222
542.4	0.229055359	1.367552115	0.177342421	0.1	0.82	0.558415815	6.700476201	15384.80269
542.6	0.229154645	1.368144893	0.177369618	0.1	0.82	0.558501453	6.701503608	15391.5042
542.8	0.229253946	1.368737762	0.177396828	0.1	0.82	0.558587132	6.702531508	15398.20673
543	0.229353263	1.369330722	0.177424051	0.1	0.82	0.558672852	6.703559901	15404.91029
543.2	0.229452595	1.369923774	0.177451287	0.1	0.82	0.558758613	6.704588787	15411.61488
543.4	0.229551943	1.370516918	0.177478536	0.1	0.82	0.558844415	6.705618168	15418.32049
543.6	0.229651305	1.371110153	0.177505799	0.1	0.82	0.558930259	6.706648043	15425.02714
543.8	0.229750683	1.37170348	0.177533074	0.1	0.82	0.559016144	6.707678414	15431.73482
544	0.229850077	1.372296899	0.177560363	0.1	0.82	0.55910207	6.708709279	15438.44353
544.2	0.229949486	1.37289041	0.177587664	0.1	0.82	0.559188037	6.70974064	15445.15327
544.4	0.23004891	1.373484012	0.177614979	0.1	0.82	0.559274046	6.710772497	15451.86404
544.6	0.230148349	1.374077706	0.177642307	0.1	0.82	0.559360096	6.711804851	15458.57585

544.8	0.230247804	1.374671492	0.177669648	0.1	0.82	0.559446188	6.712837701	15465.28869
545	0.230347275	1.37526537	0.177697002	0.1	0.82	0.559532321	6.713871049	15472.00256
545.2	0.230446761	1.37585934	0.17772437	0.1	0.82	0.559618495	6.714904895	15478.71746
545.4	0.230546262	1.376453401	0.17775175	0.1	0.82	0.559704711	6.715939238	15485.4334
545.6	0.230645778	1.377047555	0.177779144	0.1	0.82	0.559790969	6.71697408	15492.15038
545.8	0.23074531	1.377641801	0.177806551	0.1	0.82	0.559877268	6.718009421	15498.86838
546	0.230844858	1.37823614	0.177833971	0.1	0.82	0.559963609	6.719045261	15505.58743
546.2	0.230944421	1.37883057	0.177861405	0.1	0.82	0.560049991	6.720081601	15512.30751
546.4	0.231043999	1.379425093	0.177888851	0.1	0.82	0.560136416	6.721118441	15519.02863
546.6	0.231143593	1.380019708	0.177916311	0.1	0.82	0.560222881	6.722155782	15525.75079
546.8	0.231243202	1.380614415	0.177943785	0.1	0.82	0.560309389	6.723193624	15532.47398
547	0.231342827	1.381209215	0.177971271	0.1	0.82	0.560395939	6.724231966	15539.19821
547.2	0.231442467	1.381804107	0.177998771	0.1	0.82	0.56048253	6.725270811	15545.92348
547.4	0.231542123	1.382399091	0.178026284	0.1	0.82	0.560569163	6.726310158	15552.64979
547.6	0.231641794	1.382994168	0.17805381	0.1	0.82	0.560655838	6.727350007	15559.37714
547.8	0.231741481	1.383589338	0.17808135	0.1	0.82	0.560742555	6.728390359	15566.10553
548	0.231841183	1.3841846	0.178108903	0.1	0.82	0.560829314	6.729431215	15572.83496
548.2	0.231940901	1.384779955	0.178136469	0.1	0.82	0.560916115	6.730472574	15579.56544
548.4	0.232040634	1.385375403	0.178164049	0.1	0.82	0.561002958	6.731514437	15586.29695
548.6	0.232140383	1.385970943	0.178191642	0.1	0.82	0.561089843	6.732556806	15593.02951
548.8	0.232240147	1.386566576	0.178219249	0.1	0.82	0.56117677	6.733599679	15599.76311
549	0.232339927	1.387162302	0.178246868	0.1	0.82	0.561263739	6.734643057	15606.49775
549.2	0.232439723	1.387758121	0.178274502	0.1	0.82	0.561350751	6.735686942	15613.23344
549.4	0.232539534	1.388354032	0.178302148	0.1	0.82	0.561437805	6.736731332	15619.97017
549.6	0.23263936	1.388950037	0.178329808	0.1	0.82	0.5615249	6.737776229	15626.70794
549.8	0.232739202	1.389546135	0.178357482	0.1	0.82	0.561612039	6.738821634	15633.44677
550	0.23283906	1.390142325	0.178385169	0.1	0.82	0.561699219	6.739867546	15640.18663
550.2	0.232938934	1.390738609	0.178412869	0.1	0.82	0.561786442	6.740913965	15646.92755
550.4	0.233038823	1.391334986	0.178440583	0.1	0.82	0.561873707	6.741960893	15653.66951
550.6	0.233138727	1.391931456	0.17846831	0.1	0.82	0.561961015	6.74300833	15660.41252
550.8	0.233238647	1.39252802	0.178496051	0.1	0.82	0.562048365	6.744056276	15667.15657
551	0.233338583	1.393124676	0.178523805	0.1	0.82	0.562135757	6.745104731	15673.90168
551.2	0.233438534	1.393721426	0.178551573	0.1	0.82	0.562223192	6.746153697	15680.64783
551.4	0.233538502	1.39431827	0.178579354	0.1	0.82	0.56231067	6.747203173	15687.39503
551.6	0.233638484	1.394915207	0.178607149	0.1	0.82	0.56239819	6.748253159	15694.14329
551.8	0.233738483	1.395512237	0.178634957	0.1	0.82	0.562485753	6.749303657	15700.89259
552	0.233838497	1.396109361	0.178662779	0.1	0.82	0.562573358	6.750354667	15707.64295

552.2	0.233938526	1.396706578	0.178690614	0.1	0.82	0.562661006	6.751406188	15714.39435
552.4	0.234038572	1.397303889	0.178718463	0.1	0.82	0.562748697	6.752458222	15721.14681
552.6	0.234138633	1.397901293	0.178746326	0.1	0.82	0.562836431	6.753510769	15727.90032
552.8	0.23423871	1.398498792	0.178774202	0.1	0.82	0.562924207	6.754563829	15734.65489
553	0.234338802	1.399096384	0.178802092	0.1	0.82	0.563012027	6.755617403	15741.4105
553.2	0.23443891	1.399694069	0.178829995	0.1	0.82	0.563099889	6.756671491	15748.16717
553.4	0.234539034	1.400291849	0.178857912	0.1	0.82	0.563187794	6.757726094	15754.9249
553.6	0.234639174	1.400889723	0.178885843	0.1	0.82	0.563275742	6.758781212	15761.68368
553.8	0.234739329	1.40148769	0.178913787	0.1	0.82	0.563363733	6.759836845	15768.44352
554	0.2348395	1.402085751	0.178941745	0.1	0.82	0.563451766	6.760892994	15775.20441
554.2	0.234939687	1.402683907	0.178969717	0.1	0.82	0.563539843	6.761949659	15781.96636
554.4	0.23503989	1.403282156	0.178997702	0.1	0.82	0.563627963	6.763006841	15788.72937
554.6	0.235140108	1.4038805	0.179025701	0.1	0.82	0.563716127	6.764064541	15795.49343
554.8	0.235240342	1.404478938	0.179053713	0.1	0.82	0.563804333	6.765122757	15802.25856
555	0.235340592	1.40507747	0.17908174	0.1	0.82	0.563892582	6.766181492	15809.02474
555.2	0.235440858	1.405676096	0.17910978	0.1	0.82	0.563980875	6.767240745	15815.79198
555.4	0.235541139	1.406274816	0.179137834	0.1	0.82	0.564069211	6.768300517	15822.56028
555.6	0.235641436	1.406873631	0.179165901	0.1	0.82	0.56415759	6.769360808	15829.32964
555.8	0.235741749	1.407472541	0.179193983	0.1	0.82	0.564246013	6.770421619	15836.10006
556	0.235842078	1.408071544	0.179222078	0.1	0.82	0.564334479	6.77148295	15842.87154
556.2	0.235942423	1.408670642	0.179250187	0.1	0.82	0.564422988	6.772544801	15849.64409
556.4	0.236042784	1.409269835	0.179278309	0.1	0.82	0.564511541	6.773607174	15856.4177
556.6	0.23614316	1.409869122	0.179306446	0.1	0.82	0.564600137	6.774670068	15863.19237
556.8	0.236243552	1.410468504	0.179334596	0.1	0.82	0.564688777	6.775733483	15869.9681
557	0.23634396	1.411067981	0.17936276	0.1	0.82	0.56477746	6.776797421	15876.7449
557.2	0.236444384	1.411667552	0.179390938	0.1	0.82	0.564866187	6.777861882	15883.52276
557.4	0.236544824	1.412267218	0.17941913	0.1	0.82	0.564954957	6.778926866	15890.30169
557.6	0.23664528	1.412866979	0.179447336	0.1	0.82	0.565043771	6.779992373	15897.08168
557.8	0.236745751	1.413466834	0.179475556	0.1	0.82	0.565132629	6.781058404	15903.86274
558	0.236846239	1.414066785	0.179503789	0.1	0.82	0.565221531	6.78212496	15910.64486
558.2	0.236946742	1.414666831	0.179532036	0.1	0.82	0.565310476	6.783192041	15917.42805
558.4	0.237047262	1.415266971	0.179560298	0.1	0.82	0.565399465	6.784259646	15924.21231
558.6	0.237147797	1.415867207	0.179588573	0.1	0.82	0.565488498	6.785327778	15930.99764
558.8	0.237248348	1.416467537	0.179616862	0.1	0.82	0.565577575	6.786396436	15937.78404
559	0.237348915	1.417067963	0.179645165	0.1	0.82	0.565666695	6.78746562	15944.5715
559.2	0.237449498	1.417668484	0.179673482	0.1	0.82	0.56575586	6.788535331	15951.36004
559.4	0.237550097	1.4182691	0.179701813	0.1	0.82	0.565845068	6.78960557	15958.14964

559.6	0.237650712	1.418869812	0.179730158	0.1	0.82	0.565934321	6.790676337	15964.94032
559.8	0.237751343	1.419470619	0.179758517	0.1	0.82	0.566023618	6.791747632	15971.73207
560	0.23785199	1.420071521	0.17978689	0.1	0.82	0.566112958	6.792819456	15978.52489
560.2	0.237952653	1.420672518	0.179815277	0.1	0.82	0.566202343	6.793891809	15985.31878
560.4	0.238053332	1.421273612	0.179843678	0.1	0.82	0.566291772	6.794964692	15992.11374
560.6	0.238154027	1.4218748	0.179872093	0.1	0.82	0.566381245	6.796038105	15998.90978
560.8	0.238254737	1.422476084	0.179900522	0.1	0.82	0.566470763	6.797112048	16005.70689
561	0.238355464	1.423077464	0.179928965	0.1	0.82	0.566560324	6.798186523	16012.50508
561.2	0.238456207	1.423678939	0.179957422	0.1	0.82	0.56664993	6.799261528	16019.30434
561.4	0.238556966	1.424280511	0.179985893	0.1	0.82	0.566739581	6.800337066	16026.10468
561.6	0.238657741	1.424882178	0.180014379	0.1	0.82	0.566829275	6.801413136	16032.90609
561.8	0.238758532	1.42548394	0.180042878	0.1	0.82	0.566919014	6.802489739	16039.70858
562	0.238859339	1.426085799	0.180071392	0.1	0.82	0.567008798	6.803566875	16046.51215
562.2	0.238960162	1.426687753	0.180099919	0.1	0.82	0.567098626	6.804644544	16053.31679
562.4	0.239061002	1.427289804	0.180128461	0.1	0.82	0.567188499	6.805722748	16060.12252
562.6	0.239161857	1.42789195	0.180157017	0.1	0.82	0.567278416	6.806801486	16066.92932
562.8	0.239262728	1.428494192	0.180185587	0.1	0.82	0.567368377	6.807880759	16073.7372
563	0.239363616	1.429096531	0.180214172	0.1	0.82	0.567458384	6.808960567	16080.54616
563.2	0.239464519	1.429698966	0.18024277	0.1	0.82	0.567548435	6.810040912	16087.3562
563.4	0.239565439	1.430301496	0.180271383	0.1	0.82	0.567638531	6.811121793	16094.16732
563.6	0.239666375	1.430904123	0.18030001	0.1	0.82	0.567728671	6.81220321	16100.97952
563.8	0.239767327	1.431506847	0.180328651	0.1	0.82	0.567818856	6.813285165	16107.79281
564	0.239868295	1.432109666	0.180357306	0.1	0.82	0.567909086	6.814367657	16114.60718
564.2	0.239969279	1.432712582	0.180385976	0.1	0.82	0.567999361	6.815450687	16121.42263
564.4	0.240070279	1.433315595	0.18041466	0.1	0.82	0.568089681	6.816534256	16128.23916
564.6	0.240171296	1.433918704	0.180443358	0.1	0.82	0.568180046	6.817618364	16135.05678
564.8	0.240272328	1.434521909	0.180472071	0.1	0.82	0.568270456	6.818703012	16141.87548
565	0.240373377	1.435125211	0.180500797	0.1	0.82	0.568360911	6.819788199	16148.69527
565.2	0.240474442	1.43572861	0.180529538	0.1	0.82	0.56845141	6.820873927	16155.51615
565.4	0.240575523	1.436332105	0.180558294	0.1	0.82	0.568541955	6.821960195	16162.33811
565.6	0.240676621	1.436935697	0.180587063	0.1	0.82	0.568632545	6.823047005	16169.16115
565.8	0.240777735	1.437539386	0.180615848	0.1	0.82	0.568723181	6.824134356	16175.98529
566	0.240878864	1.438143172	0.180644646	0.1	0.82	0.568813861	6.82522225	16182.81051
566.2	0.24098001	1.438747054	0.180673459	0.1	0.82	0.568904587	6.826310686	16189.63682
566.4	0.241081173	1.439351034	0.180702286	0.1	0.82	0.568995358	6.827399665	16196.46422
566.6	0.241182351	1.43995511	0.180731127	0.1	0.82	0.569086174	6.828489188	16203.29271
566.8	0.241283546	1.440559283	0.180759983	0.1	0.82	0.569177035	6.829579255	16210.12229

567	0.241384757	1.441163554	0.180788854	0.1	0.82	0.569267942	6.830669866	16216.95296
567.2	0.241485984	1.441767921	0.180817738	0.1	0.82	0.569358895	6.831761023	16223.78472
567.4	0.241587228	1.442372386	0.180846638	0.1	0.82	0.569449893	6.832852724	16230.61757
567.6	0.241688488	1.442976948	0.180875551	0.1	0.82	0.569540936	6.833944972	16237.45152
567.8	0.241789764	1.443581607	0.180904479	0.1	0.82	0.569632025	6.835037765	16244.28655
568	0.241891056	1.444186363	0.180933422	0.1	0.82	0.569723159	6.836131106	16251.12269
568.2	0.241992365	1.444791217	0.180962379	0.1	0.82	0.569814339	6.837224993	16257.95991
568.4	0.24209369	1.445396168	0.180991351	0.1	0.82	0.569905565	6.838319428	16264.79823
568.6	0.242195032	1.446001217	0.181020337	0.1	0.82	0.569996837	6.839414412	16271.63764
568.8	0.242296389	1.446606363	0.181049337	0.1	0.82	0.570088154	6.840509944	16278.47815
569	0.242397763	1.447211607	0.181078353	0.1	0.82	0.570179517	6.841606025	16285.31976
569.2	0.242499154	1.447816948	0.181107382	0.1	0.82	0.570270926	6.842702655	16292.16246
569.4	0.242600561	1.448422387	0.181136427	0.1	0.82	0.57036238	6.843799835	16299.00626
569.6	0.242701984	1.449027923	0.181165486	0.1	0.82	0.570453881	6.844897566	16305.85116
569.8	0.242803423	1.449633558	0.181194559	0.1	0.82	0.570545427	6.845995848	16312.69716
570	0.242904879	1.45023929	0.181223647	0.1	0.82	0.57063702	6.847094681	16319.54425
570.2	0.243006351	1.45084512	0.18125275	0.1	0.82	0.570728658	6.848194066	16326.39245
570.4	0.24310784	1.451451047	0.181281867	0.1	0.82	0.570820343	6.849294003	16333.24174
570.6	0.243209345	1.452057073	0.181310999	0.1	0.82	0.570912073	6.850394493	16340.09213
570.8	0.243310866	1.452663197	0.181340145	0.1	0.82	0.57100385	6.851495536	16346.94363
571	0.243412404	1.453269419	0.181369307	0.1	0.82	0.571095673	6.852597133	16353.79623
571.2	0.243513959	1.453875739	0.181398482	0.1	0.82	0.571187542	6.853699284	16360.64993
571.4	0.243615529	1.454482157	0.181427673	0.1	0.82	0.571279457	6.85480199	16367.50473
571.6	0.243717117	1.455088673	0.181456878	0.1	0.82	0.571371418	6.855905251	16374.36063
571.8	0.24381872	1.455695287	0.181486098	0.1	0.82	0.571463426	6.857009067	16381.21764
572	0.24392034	1.456302	0.181515333	0.1	0.82	0.57155548	6.858113439	16388.07576
572.2	0.244021977	1.456908811	0.181544582	0.1	0.82	0.571647581	6.859218368	16394.93497
572.4	0.24412363	1.457515721	0.181573847	0.1	0.82	0.571739728	6.860323854	16401.7953
572.6	0.2442253	1.458122729	0.181603125	0.1	0.82	0.571831922	6.861429897	16408.65673
572.8	0.244326986	1.458729835	0.181632419	0.1	0.82	0.571924162	6.862536499	16415.51926
573	0.244428688	1.45933704	0.181661728	0.1	0.82	0.572016448	6.863643658	16422.38291
573.2	0.244530407	1.459944344	0.181691051	0.1	0.82	0.572108781	6.864751377	16429.24766
573.4	0.244632143	1.460551746	0.181720389	0.1	0.82	0.572201161	6.865859655	16436.11352
573.6	0.244733895	1.461159247	0.181749742	0.1	0.82	0.572293588	6.866968492	16442.98049
573.8	0.244835664	1.461766846	0.18177911	0.1	0.82	0.572386061	6.86807789	16449.84856
574	0.244937449	1.462374545	0.181808492	0.1	0.82	0.572478581	6.869187849	16456.71775
574.2	0.245039251	1.462982342	0.18183789	0.1	0.82	0.572571147	6.870298369	16463.58805

574.4	0.245141069	1.463590238	0.181867302	0.1	0.82	0.572663761	6.87140945	16470.45946
574.6	0.245242904	1.464198233	0.181896729	0.1	0.82	0.572756421	6.872521094	16477.33198
574.8	0.245344755	1.464806327	0.181926171	0.1	0.82	0.572849129	6.873633301	16484.20561
575	0.245446623	1.46541452	0.181955629	0.1	0.82	0.572941883	6.874746071	16491.08036
575.2	0.245548508	1.466022812	0.1819851	0.1	0.82	0.573034684	6.875859404	16497.95622
575.4	0.245650409	1.466631203	0.182014587	0.1	0.82	0.573127533	6.876973301	16504.83319
575.6	0.245752327	1.467239694	0.182044089	0.1	0.82	0.573220428	6.878087763	16511.71128
575.8	0.245854262	1.467848284	0.182073606	0.1	0.82	0.57331337	6.879202791	16518.59048
576	0.245956213	1.468456973	0.182103138	0.1	0.82	0.57340636	6.880318383	16525.4708
576.2	0.246058181	1.469065761	0.182132684	0.1	0.82	0.573499397	6.881434542	16532.35224
576.4	0.246160165	1.469674649	0.182162246	0.1	0.82	0.573592481	6.882551267	16539.23479
576.6	0.246262166	1.470283636	0.182191823	0.1	0.82	0.573685612	6.883668559	16546.11846
576.8	0.246364184	1.470892723	0.182221415	0.1	0.82	0.573778791	6.884786419	16553.00324
577	0.246466218	1.471501909	0.182251022	0.1	0.82	0.573872017	6.885904847	16559.88915
577.2	0.246568269	1.472111195	0.182280644	0.1	0.82	0.57396529	6.887023843	16566.77617
577.4	0.246670337	1.47272058	0.18231028	0.1	0.82	0.574058611	6.888143408	16573.66432
577.6	0.246772422	1.473330065	0.182339932	0.1	0.82	0.574151979	6.889263543	16580.55358
577.8	0.246874523	1.47393965	0.1823696	0.1	0.82	0.574245395	6.890384247	16587.44396
578	0.246976641	1.474549335	0.182399282	0.1	0.82	0.574338859	6.891505522	16594.33547
578.2	0.247078775	1.47515912	0.182428979	0.1	0.82	0.574432369	6.892627368	16601.2281
578.4	0.247180927	1.475769004	0.182458692	0.1	0.82	0.574525928	6.893749785	16608.12185
578.6	0.247283095	1.476378989	0.182488419	0.1	0.82	0.574619534	6.894872774	16615.01672
578.8	0.24738528	1.476989073	0.182518162	0.1	0.82	0.574713188	6.895996336	16621.91272
579	0.247487481	1.477599258	0.18254792	0.1	0.82	0.57480689	6.89712047	16628.80984
579.2	0.2475897	1.478209542	0.182577693	0.1	0.82	0.57490064	6.898245177	16635.70808
579.4	0.247691935	1.478819927	0.182607481	0.1	0.82	0.574994437	6.899370459	16642.60745
579.6	0.247794187	1.479430412	0.182637285	0.1	0.82	0.575088282	6.900496315	16649.50795
579.8	0.247896455	1.480040997	0.182667103	0.1	0.82	0.575182175	6.901622745	16656.40957
580	0.247998741	1.480651683	0.182696937	0.1	0.82	0.575276116	6.902749751	16663.31232
580.2	0.248101043	1.481262469	0.182726787	0.1	0.82	0.575370106	6.903877333	16670.2162
580.4	0.248203362	1.481873355	0.182756651	0.1	0.82	0.575464143	6.905005491	16677.1212
580.6	0.248305698	1.482484342	0.182786531	0.1	0.82	0.575558228	6.906134226	16684.02734
580.8	0.248408051	1.483095429	0.182816426	0.1	0.82	0.575652362	6.907263538	16690.9346
581	0.248510421	1.483706617	0.182846336	0.1	0.82	0.575746543	6.908393428	16697.84299
581.2	0.248612807	1.484317906	0.182876262	0.1	0.82	0.575840773	6.909523896	16704.75252
581.4	0.248715211	1.484929295	0.182906203	0.1	0.82	0.575935051	6.910654943	16711.66317
581.6	0.248817631	1.485540785	0.182936159	0.1	0.82	0.576029377	6.911786569	16718.57496

581.8	0.248920068	1.486152375	0.182966131	0.1	0.82	0.576123752	6.912918775	16725.48788
582	0.249022522	1.486764067	0.182996118	0.1	0.82	0.576218175	6.914051561	16732.40193
582.2	0.249124993	1.487375859	0.18302612	0.1	0.82	0.576312646	6.915184928	16739.31711
582.4	0.249227481	1.487987753	0.183056138	0.1	0.82	0.576407166	6.916318877	16746.23343
582.6	0.249329986	1.488599747	0.183086171	0.1	0.82	0.576501735	6.917453407	16753.15089
582.8	0.249432507	1.489211843	0.183116219	0.1	0.82	0.576596352	6.918588519	16760.06948
583	0.249535046	1.489824039	0.183146283	0.1	0.82	0.576691017	6.919724214	16766.9892
583.2	0.249637602	1.490436337	0.183176363	0.1	0.82	0.576785731	6.920860493	16773.91006
583.4	0.249740174	1.491048735	0.183206458	0.1	0.82	0.576880494	6.921997355	16780.83206
583.6	0.249842764	1.491661236	0.183236568	0.1	0.82	0.576975306	6.923134802	16787.75519
583.8	0.24994537	1.492273837	0.183266694	0.1	0.82	0.577070166	6.924272833	16794.67947
584	0.250047993	1.49288654	0.183296835	0.1	0.82	0.577165075	6.92541145	16801.60488
584.2	0.250150634	1.493499344	0.183326992	0.1	0.82	0.577260033	6.926550652	16808.53143
584.4	0.250253291	1.494112249	0.183357165	0.1	0.82	0.57735504	6.927690441	16815.45912
584.6	0.250355966	1.494725257	0.183387353	0.1	0.82	0.577450096	6.928830817	16822.38795
584.8	0.250458657	1.495338365	0.183417556	0.1	0.82	0.577545201	6.92997178	16829.31792
585	0.250561365	1.495951575	0.183447775	0.1	0.82	0.577640354	6.93111333	16836.24903
585.2	0.250664091	1.496564887	0.18347801	0.1	0.82	0.577735557	6.93225547	16843.18129
585.4	0.250766833	1.497178301	0.18350826	0.1	0.82	0.577830809	6.933398198	16850.11469
585.6	0.250869593	1.497791817	0.183538526	0.1	0.82	0.57792611	6.934541515	16857.04923
585.8	0.250972369	1.498405434	0.183568807	0.1	0.82	0.57802146	6.935685422	16863.98491
586	0.251075163	1.499019153	0.183599104	0.1	0.82	0.57811686	6.93682992	16870.92174
586.2	0.251177974	1.499632974	0.183629417	0.1	0.82	0.578212308	6.937975008	16877.85972
586.4	0.251280801	1.500246897	0.183659745	0.1	0.82	0.578307806	6.939120688	16884.79884
586.6	0.251383646	1.500860922	0.183690089	0.1	0.82	0.578403354	6.94026696	16891.73911
586.8	0.251486508	1.50147505	0.183720449	0.1	0.82	0.57849895	6.941413825	16898.68052
587	0.251589387	1.502089279	0.183750825	0.1	0.82	0.578594597	6.942561282	16905.62308
587.2	0.251692284	1.502703611	0.183781216	0.1	0.82	0.578690292	6.943709333	16912.56679
587.4	0.251795197	1.503318044	0.183811623	0.1	0.82	0.578786037	6.944857978	16919.51165
587.6	0.251898128	1.50393258	0.183842045	0.1	0.82	0.578881832	6.946007217	16926.45766
587.8	0.252001075	1.504547219	0.183872484	0.1	0.82	0.578977676	6.947157051	16933.40481
588	0.25210404	1.50516196	0.183902938	0.1	0.82	0.57907357	6.948307481	16940.35312
588.2	0.252207022	1.505776803	0.183933408	0.1	0.82	0.579169514	6.949458507	16947.30258
588.4	0.252310021	1.506391749	0.183963893	0.1	0.82	0.579265507	6.950610129	16954.25319
588.6	0.252413037	1.507006797	0.183994395	0.1	0.82	0.579361551	6.951762349	16961.20495
588.8	0.252516071	1.507621949	0.184024912	0.1	0.82	0.579457644	6.952915166	16968.15787
589	0.252619121	1.508237202	0.184055445	0.1	0.82	0.579553787	6.954068582	16975.11194

589.2	0.252722189	1.508852559	0.184085994	0.1	0.82	0.579649979	6.955222596	16982.06716
589.4	0.252825274	1.509468018	0.184116559	0.1	0.82	0.579746222	6.956377209	16989.02354
589.6	0.252928377	1.51008358	0.18414714	0.1	0.82	0.579842515	6.957532422	16995.98107
589.8	0.253031496	1.510699245	0.184177737	0.1	0.82	0.579938858	6.958688235	17002.93976
590	0.253134633	1.511315013	0.184208349	0.1	0.82	0.580035251	6.959844649	17009.8996
590.2	0.253237787	1.511930884	0.184238978	0.1	0.82	0.580131694	6.961001664	17016.8606
590.4	0.253340958	1.512546858	0.184269622	0.1	0.82	0.580228187	6.962159281	17023.82276
590.6	0.253444147	1.513162935	0.184300283	0.1	0.82	0.58032473	6.9633175	17030.78608
590.8	0.253547353	1.513779116	0.184330959	0.1	0.82	0.580421324	6.964476323	17037.75056
591	0.253650576	1.514395399	0.184361651	0.1	0.82	0.580517968	6.965635748	17044.71619
591.2	0.253753816	1.515011786	0.18439236	0.1	0.82	0.580614662	6.966795778	17051.68299
591.4	0.253857074	1.515628276	0.184423084	0.1	0.82	0.580711407	6.967956412	17058.65094
591.6	0.253960349	1.516244869	0.184453824	0.1	0.82	0.580808202	6.969117651	17065.62006
591.8	0.254063642	1.516861566	0.184484581	0.1	0.82	0.580905047	6.970279495	17072.59034
592	0.254166951	1.517478367	0.184515353	0.1	0.82	0.581001944	6.971441945	17079.56178
592.2	0.254270278	1.518095271	0.184546141	0.1	0.82	0.58109889	6.972605002	17086.53439
592.4	0.254373623	1.518712278	0.184576946	0.1	0.82	0.581195888	6.973768667	17093.50816
592.6	0.254476985	1.519329389	0.184607767	0.1	0.82	0.581292936	6.974932938	17100.48309
592.8	0.254580364	1.519946604	0.184638603	0.1	0.82	0.581390034	6.976097818	17107.45919
593	0.25468376	1.520563923	0.184669456	0.1	0.82	0.581487184	6.977263307	17114.43645
593.2	0.254787174	1.521181345	0.184700325	0.1	0.82	0.581584384	6.978429405	17121.41488
593.4	0.254890606	1.521798872	0.18473121	0.1	0.82	0.581681635	6.979596112	17128.39448
593.6	0.254994054	1.522416502	0.184762112	0.1	0.82	0.581778937	6.98076343	17135.37524
593.8	0.25509752	1.523034236	0.184793029	0.1	0.82	0.58187629	6.981931359	17142.35717
594	0.255201004	1.523652075	0.184823963	0.1	0.82	0.581973694	6.983099899	17149.34027
594.2	0.255304505	1.524270017	0.184854912	0.1	0.82	0.582071148	6.984269051	17156.32454
594.4	0.255408023	1.524888063	0.184885879	0.1	0.82	0.582168654	6.985438816	17163.30998
594.6	0.255511559	1.525506214	0.184916861	0.1	0.82	0.582266211	6.986609193	17170.29659
594.8	0.255615113	1.526124469	0.184947859	0.1	0.82	0.582363819	6.987780184	17177.28437
595	0.255718684	1.526742828	0.184978874	0.1	0.82	0.582461479	6.988951789	17184.27332
595.2	0.255822272	1.527361292	0.185009905	0.1	0.82	0.582559189	6.990124009	17191.26344
595.4	0.255925878	1.52797986	0.185040953	0.1	0.82	0.582656951	6.991296844	17198.25474
595.6	0.256029501	1.528598533	0.185072016	0.1	0.82	0.582754764	6.992470294	17205.24721
595.8	0.256133142	1.52921731	0.185103096	0.1	0.82	0.582852629	6.993644361	17212.24086
596	0.2562368	1.529836191	0.185134192	0.1	0.82	0.582950545	6.994819045	17219.23567
596.2	0.256340476	1.530455178	0.185165305	0.1	0.82	0.583048513	6.995994346	17226.23167
596.4	0.256444169	1.531074269	0.185196434	0.1	0.82	0.583146532	6.997170265	17233.22884

596.6	0.25654788	1.531693464	0.185227579	0.1	0.82	0.583244602	6.998346802	17240.22719
596.8	0.256651609	1.532312765	0.185258741	0.1	0.82	0.583342724	6.999523958	17247.22671
597	0.256755355	1.53293217	0.185289919	0.1	0.82	0.583440898	7.000701734	17254.22741
597.2	0.256859118	1.533551681	0.185321114	0.1	0.82	0.583539124	7.00188013	17261.22929
597.4	0.2569629	1.534171296	0.185352325	0.1	0.82	0.583637401	7.003059146	17268.23235
597.6	0.257066698	1.534791016	0.185383552	0.1	0.82	0.58373573	7.004238784	17275.23659
597.8	0.257170515	1.535410842	0.185414796	0.1	0.82	0.583834111	7.005419043	17282.24201
598	0.257274349	1.536030772	0.185446057	0.1	0.82	0.583932543	7.006599924	17289.24861
598.2	0.2573782	1.536650808	0.185477334	0.1	0.82	0.584031028	7.007781429	17296.25639
598.4	0.25748207	1.537270949	0.185508627	0.1	0.82	0.584129565	7.008963556	17303.26535
598.6	0.257585957	1.537891195	0.185539937	0.1	0.82	0.584228153	7.010146308	17310.2755
598.8	0.257689861	1.538511547	0.185571263	0.1	0.82	0.584326794	7.011329684	17317.28683
599	0.257793783	1.539132004	0.185602606	0.1	0.82	0.584425487	7.012513685	17324.29934
599.2	0.257897723	1.539752567	0.185633966	0.1	0.82	0.584524232	7.013698312	17331.31304
599.4	0.258001681	1.540373235	0.185665342	0.1	0.82	0.584623029	7.014883565	17338.32792
599.6	0.258105656	1.540994008	0.185696735	0.1	0.82	0.584721878	7.016069445	17345.34399
599.8	0.258209649	1.541614888	0.185728144	0.1	0.82	0.58482078	7.017255951	17352.36125
600	0.25831366	1.542235873	0.18575957	0.1	0.82	0.584919734	7.018443086	17359.37969
600.2	0.258417688	1.542856964	0.185791013	0.1	0.82	0.585018741	7.019630849	17366.39932
600.4	0.258521734	1.54347816	0.185822472	0.1	0.82	0.5851178	7.020819241	17373.42014
600.6	0.258625798	1.544099463	0.185853948	0.1	0.82	0.585216911	7.022008262	17380.44215
600.8	0.258729879	1.544720871	0.18588544	0.1	0.82	0.585316075	7.023197914	17387.46535
601	0.258833979	1.545342385	0.18591695	0.1	0.82	0.585415291	7.024388196	17394.48974
601.2	0.258938096	1.545964006	0.185948476	0.1	0.82	0.58551456	7.025579109	17401.51532
601.4	0.25904223	1.546585732	0.185980018	0.1	0.82	0.585613882	7.026770654	17408.54209
601.6	0.259146383	1.547207565	0.186011578	0.1	0.82	0.585713257	7.027962831	17415.57005
601.8	0.259250553	1.547829504	0.186043154	0.1	0.82	0.585812684	7.029155642	17422.59921
602	0.259354742	1.548451549	0.186074747	0.1	0.82	0.585912164	7.030349085	17429.62956
602.2	0.259458948	1.5490737	0.186106357	0.1	0.82	0.586011697	7.031543163	17436.6611
602.4	0.259563171	1.549695958	0.186137984	0.1	0.82	0.586111282	7.032737875	17443.69384
602.6	0.259667413	1.550318323	0.186169627	0.1	0.82	0.586210921	7.033933222	17450.72777
602.8	0.259771672	1.550940793	0.186201287	0.1	0.82	0.586310613	7.035129205	17457.7629
603	0.25987595	1.551563371	0.186232964	0.1	0.82	0.586410358	7.036325824	17464.79922
603.2	0.259980245	1.552186054	0.186264658	0.1	0.82	0.586510156	7.03752308	17471.83675
603.4	0.260084558	1.552808845	0.186296369	0.1	0.82	0.586610007	7.038720973	17478.87547
603.6	0.260188889	1.553431742	0.186328097	0.1	0.82	0.586709911	7.039919505	17485.91539
603.8	0.260293238	1.554054746	0.186359841	0.1	0.82	0.586809868	7.041118675	17492.95651

604	0.260397604	1.554677857	0.186391603	0.1	0.82	0.586909879	7.042318484	17499.99883
604.2	0.260501989	1.555301075	0.186423381	0.1	0.82	0.587009943	7.043518932	17507.04234
604.4	0.260606392	1.5559244	0.186455177	0.1	0.82	0.587110061	7.044720021	17514.08706
604.6	0.260710812	1.556547832	0.186486989	0.1	0.82	0.587210231	7.045921751	17521.13299
604.8	0.26081525	1.557171371	0.186518819	0.1	0.82	0.587310456	7.047124122	17528.18011
605	0.260919707	1.557795017	0.186550665	0.1	0.82	0.587410734	7.048327136	17535.22844
605.2	0.261024181	1.55841877	0.186582528	0.1	0.82	0.587511065	7.049530791	17542.27797
605.4	0.261128673	1.55904263	0.186614409	0.1	0.82	0.58761145	7.05073509	17549.3287
605.6	0.261233183	1.559666598	0.186646306	0.1	0.82	0.587711889	7.051940033	17556.38064
605.8	0.261337712	1.560290673	0.186678221	0.1	0.82	0.587812381	7.05314562	17563.43379
606	0.261442258	1.560914855	0.186710152	0.1	0.82	0.587912927	7.054351851	17570.48814
606.2	0.261546822	1.561539145	0.186742101	0.1	0.82	0.588013527	7.055558729	17577.5437
606.4	0.261651404	1.562163543	0.186774067	0.1	0.82	0.588114181	7.056766252	17584.60047
606.6	0.261756004	1.562788048	0.18680605	0.1	0.82	0.588214889	7.057974422	17591.65844
606.8	0.261860622	1.56341266	0.18683805	0.1	0.82	0.588315651	7.059183239	17598.71762
607	0.261965259	1.564037381	0.186870067	0.1	0.82	0.588416466	7.060392704	17605.77802
607.2	0.262069913	1.564662209	0.186902101	0.1	0.82	0.588517336	7.061602817	17612.83962
607.4	0.262174585	1.565287145	0.186934153	0.1	0.82	0.58861826	7.062813579	17619.90243
607.6	0.262279276	1.565912188	0.186966221	0.1	0.82	0.588719238	7.06402499	17626.96646
607.8	0.262383984	1.56653734	0.186998307	0.1	0.82	0.58882027	7.065237052	17634.03169
608	0.262488711	1.5671626	0.187030411	0.1	0.82	0.588921357	7.066449765	17641.09814
608.2	0.262593456	1.567787968	0.187062531	0.1	0.82	0.589022498	7.067663128	17648.16581
608.4	0.262698218	1.568413444	0.187094669	0.1	0.82	0.589123693	7.068877144	17655.23468
608.6	0.262802999	1.569039028	0.187126824	0.1	0.82	0.589224942	7.070091812	17662.30478
608.8	0.262907798	1.56966472	0.187158996	0.1	0.82	0.589326246	7.071307133	17669.37608
609	0.263012616	1.570290521	0.187191186	0.1	0.82	0.589427605	7.072523108	17676.44861
609.2	0.263117451	1.57091643	0.187223392	0.1	0.82	0.589529018	7.073739737	17683.52235
609.4	0.263222305	1.571542447	0.187255617	0.1	0.82	0.589630486	7.074957021	17690.5973
609.6	0.263327176	1.572168573	0.187287858	0.1	0.82	0.589732008	7.07617496	17697.67348
609.8	0.263432066	1.572794807	0.187320117	0.1	0.82	0.589833585	7.077393555	17704.75087
610	0.263536974	1.57342115	0.187352393	0.1	0.82	0.589935216	7.078612807	17711.82948
610.2	0.2636419	1.574047601	0.187384687	0.1	0.82	0.590036903	7.079832716	17718.90932
610.4	0.263746845	1.574674162	0.187416998	0.1	0.82	0.590138644	7.081053283	17725.99037
610.6	0.263851807	1.575300831	0.187449327	0.1	0.82	0.59024044	7.082274508	17733.07264
610.8	0.263956788	1.575927608	0.187481673	0.1	0.82	0.590342292	7.083496393	17740.15614
611	0.264061787	1.576554495	0.187514036	0.1	0.82	0.590444198	7.084718937	17747.24086
611.2	0.264166805	1.577181491	0.187546417	0.1	0.82	0.590546159	7.085942141	17754.3268

611.4	0.26427184	1.577808595	0.187578816	0.1	0.82	0.590648175	7.087166005	17761.41397
611.6	0.264376894	1.578435809	0.187611232	0.1	0.82	0.590750247	7.088390532	17768.50236
611.8	0.264481966	1.579063132	0.187643665	0.1	0.82	0.590852373	7.08961572	17775.59197
612	0.264587057	1.579690563	0.187676116	0.1	0.82	0.590954555	7.090841571	17782.68282
612.2	0.264692165	1.580318105	0.187708585	0.1	0.82	0.591056792	7.092068085	17789.77488
612.4	0.264797292	1.580945755	0.187741071	0.1	0.82	0.591159085	7.093295262	17796.86818
612.6	0.264902438	1.581573515	0.187773575	0.1	0.82	0.591261433	7.094523104	17803.9627
612.8	0.265007601	1.582201384	0.187806096	0.1	0.82	0.591363836	7.095751612	17811.05845
613	0.265112784	1.582829363	0.187838635	0.1	0.82	0.591466295	7.096980784	17818.15544
613.2	0.265217984	1.583457451	0.187871192	0.1	0.82	0.591568809	7.098210623	17825.25365
613.4	0.265323203	1.584085649	0.187903766	0.1	0.82	0.591671379	7.099441129	17832.35309
613.6	0.26542844	1.584713956	0.187936358	0.1	0.82	0.591774005	7.100672302	17839.45376
613.8	0.265533695	1.585342373	0.187968968	0.1	0.82	0.591876686	7.101904144	17846.55566
614	0.265638969	1.5859709	0.188001595	0.1	0.82	0.591979423	7.103136653	17853.6588
614.2	0.265744261	1.586599537	0.18803424	0.1	0.82	0.592082216	7.104369833	17860.76317
614.4	0.265849572	1.587228283	0.188066903	0.1	0.82	0.592185064	7.105603682	17867.86877
614.6	0.265954901	1.58785714	0.188099584	0.1	0.82	0.592287969	7.106838201	17874.97561
614.8	0.266060248	1.588486106	0.188132282	0.1	0.82	0.59239093	7.108073392	17882.08369
615	0.266165614	1.589115183	0.188164998	0.1	0.82	0.592493946	7.109309254	17889.19299
615.2	0.266270999	1.58974437	0.188197732	0.1	0.82	0.592597019	7.110545789	17896.30354
615.4	0.266376401	1.590373667	0.188230484	0.1	0.82	0.592700147	7.111782996	17903.41532
615.6	0.266481823	1.591003074	0.188263253	0.1	0.82	0.592803332	7.113020877	17910.52834
615.8	0.266587262	1.591632591	0.188296041	0.1	0.82	0.592906573	7.114259433	17917.6426
616	0.266692721	1.592262219	0.188328846	0.1	0.82	0.593009871	7.115498663	17924.7581
616.2	0.266798197	1.592891958	0.188361669	0.1	0.82	0.593113224	7.116738568	17931.87484
616.4	0.266903693	1.593521806	0.18839451	0.1	0.82	0.593216634	7.11797915	17938.99282
616.6	0.267009206	1.594151766	0.188427369	0.1	0.82	0.5933201	7.119220408	17946.11204
616.8	0.267114739	1.594781836	0.188460246	0.1	0.82	0.593423623	7.120462343	17953.2325
617	0.267220289	1.595412016	0.188493141	0.1	0.82	0.593527203	7.121704956	17960.35421
617.2	0.267325859	1.596042308	0.188526054	0.1	0.82	0.593630839	7.122948248	17967.47716
617.4	0.267431447	1.59667271	0.188558985	0.1	0.82	0.593734531	7.124192219	17974.60135
617.6	0.267537053	1.597303223	0.188591934	0.1	0.82	0.59383828	7.125436869	17981.72678
617.8	0.267642678	1.597933847	0.1886249	0.1	0.82	0.593942086	7.1266822	17988.85347
618	0.267748322	1.598564582	0.188657885	0.1	0.82	0.594045949	7.127928212	17995.9814
618.2	0.267853984	1.599195428	0.188690888	0.1	0.82	0.594149869	7.129174906	18003.11057
618.4	0.267959665	1.599826385	0.188723909	0.1	0.82	0.594253845	7.130422282	18010.24099
618.6	0.268065365	1.600457453	0.188756948	0.1	0.82	0.594357878	7.131670341	18017.37266

618.8	0.268171083	1.601088632	0.188790005	0.1	0.82	0.594461969	7.132919083	18024.50558
619	0.268276819	1.601719923	0.188823081	0.1	0.82	0.594566116	7.134168509	18031.63975
619.2	0.268382575	1.602351325	0.188856174	0.1	0.82	0.594670321	7.13541862	18038.77517
619.4	0.268488349	1.602982838	0.188889286	0.1	0.82	0.594774582	7.136669417	18045.91184
619.6	0.268594142	1.603614463	0.188922415	0.1	0.82	0.594878901	7.137920899	18053.04976
619.8	0.268699953	1.6042462	0.188955563	0.1	0.82	0.594983277	7.139173069	18060.18893
620	0.268805783	1.604878048	0.188988729	0.1	0.82	0.59508771	7.140425925	18067.32936
620.2	0.268911632	1.605510007	0.189021913	0.1	0.82	0.595192201	7.14167947	18074.47104
620.4	0.269017499	1.606142079	0.189055116	0.1	0.82	0.595296749	7.142933703	18081.61397
620.6	0.269123386	1.606774262	0.189088337	0.1	0.82	0.595401355	7.144188625	18088.75816
620.8	0.269229291	1.607406557	0.189121576	0.1	0.82	0.595506018	7.145444237	18095.9036
621	0.269335214	1.608038964	0.189154833	0.1	0.82	0.595610739	7.146700539	18103.0503
621.2	0.269441157	1.608671483	0.189188109	0.1	0.82	0.595715517	7.147957533	18110.19826
621.4	0.269547118	1.609304114	0.189221403	0.1	0.82	0.595820353	7.149215218	18117.34748
621.6	0.269653098	1.609936857	0.189254715	0.1	0.82	0.595925247	7.150473596	18124.49795
621.8	0.269759097	1.610569712	0.189288046	0.1	0.82	0.596030198	7.151732667	18131.64968
622	0.269865114	1.611202679	0.189321395	0.1	0.82	0.596135207	7.152992431	18138.80268
622.2	0.269971151	1.611835759	0.189354762	0.1	0.82	0.596240274	7.15425289	18145.95693
622.4	0.270077206	1.612468951	0.189388148	0.1	0.82	0.5963454	7.155514044	18153.11244
622.6	0.27018328	1.613102255	0.189421552	0.1	0.82	0.596450583	7.156775893	18160.26922
622.8	0.270289373	1.613735672	0.189454975	0.1	0.82	0.596555824	7.158038439	18167.42726
623	0.270395485	1.614369201	0.189488416	0.1	0.82	0.596661123	7.159301681	18174.58656
623.2	0.270501615	1.615002843	0.189521875	0.1	0.82	0.59676648	7.160565621	18181.74712
623.4	0.270607765	1.615636598	0.189555353	0.1	0.82	0.596871896	7.161830259	18188.90896
623.6	0.270713933	1.616270465	0.18958885	0.1	0.82	0.59697737	7.163095596	18196.07205
623.8	0.27082012	1.616904445	0.189622365	0.1	0.82	0.597082902	7.164361633	18203.23641
624	0.270926326	1.617538538	0.189655898	0.1	0.82	0.597188493	7.165628369	18210.40204
624.2	0.271032551	1.618172744	0.189689451	0.1	0.82	0.597294142	7.166895807	18217.56894
624.4	0.271138795	1.618807062	0.189723021	0.1	0.82	0.597399849	7.168163946	18224.7371
624.6	0.271245058	1.619441494	0.189756611	0.1	0.82	0.597505615	7.169432787	18231.90653
624.8	0.27135134	1.620076039	0.189790218	0.1	0.82	0.59761144	7.17070233	18239.07724
625	0.27145764	1.620710697	0.189823845	0.1	0.82	0.597717323	7.171972577	18246.24921
625.2	0.27156396	1.621345468	0.18985749	0.1	0.82	0.597823265	7.173243529	18253.42245
625.4	0.271670299	1.621980353	0.189891154	0.1	0.82	0.597929266	7.174515184	18260.59697
625.6	0.271776657	1.62261535	0.189924837	0.1	0.82	0.598035325	7.175787546	18267.77275
625.8	0.271883033	1.623250462	0.189958538	0.1	0.82	0.598141444	7.177060613	18274.94982
626	0.271989429	1.623885686	0.189992258	0.1	0.82	0.598247621	7.178334387	18282.12815

626.2	0.272095844	1.624521024	0.190025996	0.1	0.82	0.598353857	7.179608868	18289.30776
626.4	0.272202277	1.625156476	0.190059754	0.1	0.82	0.598460152	7.180884057	18296.48864
626.6	0.27230873	1.625792042	0.19009353	0.1	0.82	0.598566507	7.182159955	18303.6708
626.8	0.272415202	1.626427721	0.190127325	0.1	0.82	0.59867292	7.183436562	18310.85424
627	0.272521693	1.627063514	0.190161139	0.1	0.82	0.598779393	7.18471388	18318.03895
627.2	0.272628203	1.627699421	0.190194971	0.1	0.82	0.598885925	7.185991908	18325.22494
627.4	0.272734732	1.628335441	0.190228822	0.1	0.82	0.598992516	7.187270647	18332.41222
627.6	0.27284128	1.628971576	0.190262693	0.1	0.82	0.599099167	7.188550098	18339.60077
627.8	0.272947847	1.629607825	0.190296582	0.1	0.82	0.599205877	7.189830262	18346.7906
628	0.273054433	1.630244188	0.19033049	0.1	0.82	0.599312646	7.191111139	18353.98171
628.2	0.273161039	1.630880665	0.190364417	0.1	0.82	0.599419475	7.19239273	18361.1741
628.4	0.273267663	1.631517256	0.190398363	0.1	0.82	0.599526364	7.193675036	18368.36777
628.6	0.273374307	1.632153961	0.190432327	0.1	0.82	0.599633312	7.194958057	18375.56273
628.8	0.27348097	1.632790781	0.190466311	0.1	0.82	0.59974032	7.196241794	18382.75897
629	0.273587652	1.633427716	0.190500314	0.1	0.82	0.599847388	7.197526248	18389.9565
629.2	0.273694353	1.634064765	0.190534335	0.1	0.82	0.599954515	7.198811419	18397.15531
629.4	0.273801073	1.634701928	0.190568376	0.1	0.82	0.600061703	7.200097308	18404.35541
629.6	0.273907813	1.635339206	0.190602436	0.1	0.82	0.60016895	7.201383915	18411.55679
629.8	0.274014572	1.635976598	0.190636515	0.1	0.82	0.600276257	7.202671243	18418.75946
630	0.27412135	1.636614106	0.190670612	0.1	0.82	0.600383624	7.20395929	18425.96342
630.2	0.274228147	1.637251728	0.190704729	0.1	0.82	0.600491052	7.205248058	18433.16867
630.4	0.274334963	1.637889465	0.190738865	0.1	0.82	0.600598539	7.206537547	18440.37521
630.6	0.274441799	1.638527317	0.190773021	0.1	0.82	0.600706087	7.207827758	18447.58304
630.8	0.274548654	1.639165284	0.190807195	0.1	0.82	0.600813695	7.209118692	18454.79216
631	0.274655528	1.639803366	0.190841388	0.1	0.82	0.600921363	7.21041035	18462.00257
631.2	0.274762422	1.640441564	0.190875601	0.1	0.82	0.601029092	7.211702731	18469.21427
631.4	0.274869335	1.641079876	0.190909833	0.1	0.82	0.601136881	7.212995838	18476.42726
631.6	0.274976267	1.641718304	0.190944084	0.1	0.82	0.601244731	7.214289669	18483.64155
631.8	0.275083218	1.642356847	0.190978354	0.1	0.82	0.601352641	7.215584228	18490.85714
632	0.275190189	1.642995505	0.191012643	0.1	0.82	0.601460611	7.216879512	18498.07402
632.2	0.275297179	1.643634279	0.191046952	0.1	0.82	0.601568643	7.218175525	18505.29219
632.4	0.275404189	1.644273169	0.19108128	0.1	0.82	0.601676735	7.219472265	18512.51167
632.6	0.275511218	1.644912174	0.191115627	0.1	0.82	0.601784888	7.220769735	18519.73244
632.8	0.275618266	1.645551294	0.191149994	0.1	0.82	0.601893101	7.222067934	18526.9545
633	0.275725333	1.646190531	0.19118438	0.1	0.82	0.602001376	7.223366863	18534.17787
633.2	0.27583242	1.646829883	0.191218785	0.1	0.82	0.602109711	7.224666524	18541.40254
633.4	0.275939527	1.647469351	0.19125321	0.1	0.82	0.602218108	7.225966916	18548.6285

633.6	0.276046653	1.648108935	0.191287654	0.1	0.82	0.602326565	7.22726804	18555.85577
633.8	0.276153798	1.648748635	0.191322118	0.1	0.82	0.602435084	7.228569898	18563.08434
634	0.276260963	1.649388451	0.191356601	0.1	0.82	0.602543664	7.229872489	18570.31421
634.2	0.276368147	1.650028383	0.191391103	0.1	0.82	0.602652305	7.231175814	18577.54539
634.4	0.27647535	1.650668431	0.191425625	0.1	0.82	0.602761007	7.232479875	18584.77787
634.6	0.276582573	1.651308595	0.191460166	0.1	0.82	0.602869771	7.233784672	18592.01165
634.8	0.276689816	1.651948876	0.191494727	0.1	0.82	0.602978596	7.235090205	18599.24675
635	0.276797078	1.652589274	0.191529307	0.1	0.82	0.603087483	7.236396475	18606.48314
635.2	0.276904359	1.653229787	0.191563907	0.1	0.82	0.603196431	7.237703484	18613.72084
635.4	0.27701166	1.653870417	0.191598527	0.1	0.82	0.603305441	7.239011231	18620.95986
635.6	0.277118981	1.654511164	0.191633166	0.1	0.82	0.603414512	7.240319717	18628.20018
635.8	0.277226321	1.655152028	0.191667824	0.1	0.82	0.603523645	7.241628943	18635.4418
636	0.277333681	1.655793008	0.191702503	0.1	0.82	0.60363284	7.24293891	18642.68474
636.2	0.27744106	1.656434105	0.1917372	0.1	0.82	0.603742097	7.244249619	18649.92899
636.4	0.277548459	1.657075318	0.191771918	0.1	0.82	0.603851415	7.245561069	18657.17455
636.6	0.277655877	1.657716649	0.191806655	0.1	0.82	0.603960795	7.246873263	18664.42143
636.8	0.277763315	1.658358097	0.191841412	0.1	0.82	0.604070238	7.2481862	18671.66961
637	0.277870773	1.658999661	0.191876188	0.1	0.82	0.604179742	7.249499881	18678.91911
637.2	0.27797825	1.659641343	0.191910985	0.1	0.82	0.604289309	7.250814307	18686.16993
637.4	0.278085747	1.660283142	0.191945801	0.1	0.82	0.604398938	7.252129479	18693.42206
637.6	0.278193263	1.660925058	0.191980637	0.1	0.82	0.604508629	7.253445398	18700.6755
637.8	0.278300799	1.661567092	0.192015492	0.1	0.82	0.604618382	7.254762063	18707.93027
638	0.278408355	1.662209243	0.192050368	0.1	0.82	0.604728198	7.256079476	18715.18634
638.2	0.27851593	1.662851511	0.192085263	0.1	0.82	0.604838076	7.257397638	18722.44374
638.4	0.278623526	1.663493897	0.192120178	0.1	0.82	0.604948016	7.258716549	18729.70246
638.6	0.27873114	1.6641364	0.192155113	0.1	0.82	0.605058019	7.26003621	18736.96249
638.8	0.278838775	1.664779021	0.192190068	0.1	0.82	0.605168085	7.261356622	18744.22385
639	0.278946429	1.66542176	0.192225042	0.1	0.82	0.605278213	7.262677785	18751.48653
639.2	0.279054103	1.666064617	0.192260037	0.1	0.82	0.605388404	7.263999701	18758.75053
639.4	0.279161797	1.666707591	0.192295051	0.1	0.82	0.605498658	7.265322369	18766.01585
639.6	0.27926951	1.667350684	0.192330086	0.1	0.82	0.605608974	7.266645791	18773.2825
639.8	0.279377243	1.667993894	0.19236514	0.1	0.82	0.605719354	7.267969966	18780.55047
640	0.279484996	1.668637222	0.192400215	0.1	0.82	0.605829796	7.269294897	18787.81976
640.2	0.279592769	1.669280669	0.192435309	0.1	0.82	0.605940301	7.270620584	18795.09038
640.4	0.279700562	1.669924234	0.192470424	0.1	0.82	0.60605087	7.271947027	18802.36233
640.6	0.279808374	1.670567916	0.192505558	0.1	0.82	0.606161501	7.273274228	18809.6356
640.8	0.279916206	1.671211718	0.192540713	0.1	0.82	0.606272196	7.274602186	18816.91021

641	0.280024058	1.671855637	0.192575887	0.1	0.82	0.606382954	7.275930903	18824.18614
641.2	0.28013193	1.672499676	0.192611082	0.1	0.82	0.606493776	7.277260379	18831.4634
641.4	0.280239822	1.673143832	0.192646297	0.1	0.82	0.60660466	7.278590616	18838.74199
641.6	0.280347733	1.673788108	0.192681532	0.1	0.82	0.606715608	7.279921613	18846.02191
641.8	0.280455665	1.674432502	0.192716787	0.1	0.82	0.60682662	7.281253372	18853.30316
642	0.280563616	1.675077014	0.192752063	0.1	0.82	0.606937695	7.282585893	18860.58575
642.2	0.280671587	1.675721646	0.192787358	0.1	0.82	0.607048834	7.283919177	18867.86967
642.4	0.280779579	1.676366396	0.192822674	0.1	0.82	0.607160037	7.285253225	18875.15492
642.6	0.28088759	1.677011265	0.19285801	0.1	0.82	0.607271303	7.286588037	18882.44151
642.8	0.280995621	1.677656254	0.192893367	0.1	0.82	0.607382633	7.287923614	18889.72943
643	0.281103672	1.678301361	0.192928743	0.1	0.82	0.607494027	7.289259958	18897.01869
643.2	0.281211743	1.678946588	0.19296414	0.1	0.82	0.607605485	7.290597068	18904.30929
643.4	0.281319833	1.679591933	0.192999557	0.1	0.82	0.607717006	7.291934946	18911.60122
643.6	0.281427944	1.680237398	0.193034995	0.1	0.82	0.607828592	7.293273592	18918.8945
643.8	0.281536075	1.680882983	0.193070453	0.1	0.82	0.607940242	7.294613006	18926.18911
644	0.281644226	1.681528687	0.193105931	0.1	0.82	0.608051956	7.295953191	18933.48506
644.2	0.281752397	1.68217451	0.19314143	0.1	0.82	0.608163735	7.297294146	18940.78236
644.4	0.281860588	1.682820453	0.193176949	0.1	0.82	0.608275577	7.298635872	18948.08099
644.6	0.281968799	1.683466515	0.193212489	0.1	0.82	0.608387484	7.29997837	18955.38097
644.8	0.28207703	1.684112697	0.193248049	0.1	0.82	0.608499456	7.30132164	18962.68229
645	0.282185281	1.684758999	0.193283629	0.1	0.82	0.608611492	7.302665684	18969.98496
645.2	0.282293552	1.685405421	0.19331923	0.1	0.82	0.608723592	7.304010502	18977.28897
645.4	0.282401843	1.686051963	0.193354852	0.1	0.82	0.608835757	7.305356095	18984.59433
645.6	0.282510154	1.686698625	0.193390494	0.1	0.82	0.608947987	7.306702464	18991.90103
645.8	0.282618486	1.687345406	0.193426156	0.1	0.82	0.609060281	7.308049609	18999.20908
646	0.282726837	1.687992308	0.19346184	0.1	0.82	0.609172641	7.309397531	19006.51848
646.2	0.282835209	1.68863933	0.193497543	0.1	0.82	0.609285065	7.310746231	19013.82922
646.4	0.2829436	1.689286472	0.193533268	0.1	0.82	0.609397554	7.31209571	19021.14132
646.6	0.283052012	1.689933735	0.193569013	0.1	0.82	0.609510108	7.313445968	19028.45476
646.8	0.283160445	1.690581118	0.193604779	0.1	0.82	0.609622727	7.314797006	19035.76956
647	0.283268897	1.691228622	0.193640565	0.1	0.82	0.609735411	7.316148826	19043.08571
647.2	0.283377369	1.691876246	0.193676372	0.1	0.82	0.60984816	7.317501427	19050.40321
647.4	0.283485862	1.69252399	0.1937122	0.1	0.82	0.609960975	7.31885481	19057.72207
647.6	0.283594375	1.693171855	0.193748048	0.1	0.82	0.610073855	7.320208976	19065.04228
647.8	0.283702908	1.693819842	0.193783918	0.1	0.82	0.6101868	7.321563927	19072.36384
648	0.283811461	1.694467948	0.193819808	0.1	0.82	0.610299811	7.322919662	19079.68676
648.2	0.283920035	1.695116176	0.193855719	0.1	0.82	0.610412887	7.324276183	19087.01104

648.4	0.284028629	1.695764525	0.19389165	0.1	0.82	0.610526028	7.32563349	19094.33667
648.6	0.284137243	1.696412995	0.193927603	0.1	0.82	0.610639236	7.326991584	19101.66366
648.8	0.284245877	1.697061585	0.193963576	0.1	0.82	0.610752509	7.328350466	19108.99201
649	0.284354532	1.697710297	0.19399957	0.1	0.82	0.610865847	7.329710136	19116.32172
649.2	0.284463207	1.698359131	0.194035586	0.1	0.82	0.610979252	7.331070596	19123.65279
649.4	0.284571902	1.699008085	0.194071622	0.1	0.82	0.611092722	7.332431846	19130.98522
649.6	0.284680618	1.699657161	0.194107679	0.1	0.82	0.611206259	7.333793887	19138.31902
649.8	0.284789354	1.700306359	0.194143757	0.1	0.82	0.611319861	7.335156719	19145.65417
650	0.28489811	1.700955678	0.194179856	0.1	0.82	0.61143353	7.336520344	19152.99069
650.2	0.285006887	1.701605118	0.194215976	0.1	0.82	0.611547264	7.337884762	19160.32858
650.4	0.285115684	1.70225468	0.194252117	0.1	0.82	0.611661065	7.339249974	19167.66783
650.6	0.285224502	1.702904364	0.194288279	0.1	0.82	0.611774932	7.340615981	19175.00845
650.8	0.285333339	1.70355417	0.194324462	0.1	0.82	0.611888865	7.341982783	19182.35043
651	0.285442198	1.704204098	0.194360666	0.1	0.82	0.612002865	7.343350381	19189.69378
651.2	0.285551077	1.704854147	0.194396891	0.1	0.82	0.612116931	7.344718777	19197.0385
651.4	0.285659976	1.705504319	0.194433138	0.1	0.82	0.612231064	7.34608797	19204.38459
651.6	0.285768895	1.706154612	0.194469405	0.1	0.82	0.612345263	7.347457962	19211.73204
651.8	0.285877835	1.706805028	0.194505694	0.1	0.82	0.612459529	7.348828754	19219.08087
652	0.285986796	1.707455566	0.194542004	0.1	0.82	0.612573862	7.350200346	19226.43107
652.2	0.286095777	1.708106227	0.194578335	0.1	0.82	0.612688261	7.351572738	19233.78264
652.4	0.286204779	1.70875701	0.194614687	0.1	0.82	0.612802728	7.352945933	19241.13559
652.6	0.286313801	1.709407915	0.194651061	0.1	0.82	0.612917261	7.35431993	19248.48991
652.8	0.286422843	1.710058943	0.194687456	0.1	0.82	0.613031861	7.355694731	19255.84561
653	0.286531906	1.710710093	0.194723872	0.1	0.82	0.613146528	7.357070335	19263.20268
653.2	0.28664099	1.711361366	0.19476031	0.1	0.82	0.613261263	7.358446745	19270.56112
653.4	0.286750094	1.712012762	0.194796768	0.1	0.82	0.613376064	7.35982396	19277.92095
653.6	0.286859219	1.712664281	0.194833248	0.1	0.82	0.613490933	7.361201982	19285.28215
653.8	0.286968364	1.713315922	0.19486975	0.1	0.82	0.613605869	7.362580811	19292.64473
654	0.28707753	1.713967687	0.194906273	0.1	0.82	0.613720872	7.363960448	19300.00869
654.2	0.287186717	1.714619574	0.194942817	0.1	0.82	0.613835943	7.365340894	19307.37403
654.4	0.287295924	1.715271585	0.194979383	0.1	0.82	0.613951082	7.36672215	19314.74075
654.6	0.287405152	1.715923719	0.19501597	0.1	0.82	0.614066288	7.368104216	19322.10886
654.8	0.2875144	1.716575976	0.195052579	0.1	0.82	0.614181561	7.369487094	19329.47834
655	0.287623669	1.717228356	0.195089209	0.1	0.82	0.614296903	7.370870784	19336.84921
655.2	0.287732959	1.71788086	0.195125861	0.1	0.82	0.614412312	7.372255286	19344.22147
655.4	0.28784227	1.718533487	0.195162535	0.1	0.82	0.614527789	7.373640603	19351.59511
655.6	0.287951601	1.719186238	0.195199229	0.1	0.82	0.614643334	7.375026734	19358.97014

655.8	0.288060953	1.719839112	0.195235946	0.1	0.82	0.614758946	7.37641368	19366.34655
656	0.288170325	1.720492111	0.195272684	0.1	0.82	0.614874627	7.377801442	19373.72435
656.2	0.288279719	1.721145232	0.195309444	0.1	0.82	0.614990376	7.379190021	19381.10354
656.4	0.288389133	1.721798478	0.195346225	0.1	0.82	0.615106193	7.380579418	19388.48412
656.6	0.288498568	1.722451848	0.195383028	0.1	0.82	0.615222079	7.381969634	19395.86609
656.8	0.288608023	1.723105341	0.195419853	0.1	0.82	0.615338033	7.383360669	19403.24945
657	0.2887175	1.723758959	0.195456699	0.1	0.82	0.615454055	7.384752524	19410.6342
657.2	0.288826997	1.724412701	0.195493567	0.1	0.82	0.615570145	7.3861452	19418.02035
657.4	0.288936515	1.725066567	0.195530457	0.1	0.82	0.615686304	7.387538698	19425.40789
657.6	0.289046053	1.725720557	0.195567369	0.1	0.82	0.615802532	7.388933018	19432.79682
657.8	0.289155613	1.726374672	0.195604303	0.1	0.82	0.615918828	7.390328162	19440.18715
658	0.289265193	1.727028911	0.195641258	0.1	0.82	0.616035193	7.39172413	19447.57887
658.2	0.289374795	1.727683275	0.195678235	0.1	0.82	0.616151627	7.393120923	19454.97199
658.4	0.289484417	1.728337763	0.195715234	0.1	0.82	0.61626813	7.394518543	19462.36651
658.6	0.28959406	1.728992376	0.195752255	0.1	0.82	0.616384702	7.395916988	19469.76243
658.8	0.289703724	1.729647113	0.195789298	0.1	0.82	0.616501342	7.397316262	19477.15975
659	0.289813409	1.730301975	0.195826363	0.1	0.82	0.616618052	7.398716363	19484.55846
659.2	0.289923114	1.730956963	0.19586345	0.1	0.82	0.616734831	7.400117294	19491.95858
659.4	0.290032841	1.731612075	0.195900558	0.1	0.82	0.616851679	7.401519055	19499.3601
659.6	0.290142589	1.732267312	0.195937689	0.1	0.82	0.616968596	7.402921647	19506.76302
659.8	0.290252357	1.732922674	0.195974842	0.1	0.82	0.617085582	7.40432507	19514.16735
660	0.290362147	1.733578162	0.196012017	0.1	0.82	0.617202639	7.405729326	19521.57308
660.2	0.290471957	1.734233774	0.196049214	0.1	0.82	0.617319764	7.407134415	19528.98021
660.4	0.290581789	1.734889513	0.196086433	0.1	0.82	0.617436959	7.408540338	19536.38875
660.6	0.290691641	1.735545376	0.196123674	0.1	0.82	0.617554224	7.409947097	19543.7987
660.8	0.290801515	1.736201365	0.196160937	0.1	0.82	0.617671558	7.411354691	19551.21005
661	0.29091141	1.736857479	0.196198222	0.1	0.82	0.617788962	7.412763121	19558.62282
661.2	0.291021325	1.737513719	0.19623553	0.1	0.82	0.617906436	7.41417239	19566.03699
661.4	0.291131262	1.738170085	0.196272859	0.1	0.82	0.61802398	7.415582496	19573.45257
661.6	0.291241219	1.738826577	0.196310211	0.1	0.82	0.618141594	7.416993442	19580.86956
661.8	0.291351198	1.739483194	0.196347586	0.1	0.82	0.618259278	7.418405227	19588.28797
662	0.291461198	1.740139937	0.196384982	0.1	0.82	0.618377031	7.419817854	19595.70779
662.2	0.291571219	1.740796807	0.196422401	0.1	0.82	0.618494856	7.421231322	19603.12902
662.4	0.291681261	1.741453802	0.196459842	0.1	0.82	0.61861275	7.422645633	19610.55166
662.6	0.291791324	1.742110924	0.196497305	0.1	0.82	0.618730715	7.424060787	19617.97572
662.8	0.291901409	1.742768171	0.196534791	0.1	0.82	0.61884875	7.425476785	19625.4012
663	0.292011514	1.743425545	0.196572299	0.1	0.82	0.618966855	7.426893629	19632.82809

663.2	0.292121641	1.744083046	0.19660983	0.1	0.82	0.619085031	7.428311318	19640.25641
663.4	0.292231789	1.744740673	0.196647382	0.1	0.82	0.619203278	7.429729854	19647.68614
663.6	0.292341958	1.745398426	0.196684958	0.1	0.82	0.619321595	7.431149237	19655.11729
663.8	0.292452148	1.746056306	0.196722556	0.1	0.82	0.619439983	7.43256947	19662.54985
664	0.29256236	1.746714313	0.196760176	0.1	0.82	0.619558442	7.433990551	19669.98385
664.2	0.292672593	1.747372446	0.196797819	0.1	0.82	0.619676972	7.435412482	19677.41926
664.4	0.292782847	1.748030707	0.196835484	0.1	0.82	0.619795572	7.436835265	19684.85609
664.6	0.292893122	1.748689094	0.196873172	0.1	0.82	0.619914244	7.4382589	19692.29435
664.8	0.293003418	1.749347608	0.196910883	0.1	0.82	0.620032987	7.439683387	19699.73404
665	0.293113736	1.750006249	0.196948616	0.1	0.82	0.620151801	7.441108727	19707.17514
665.2	0.293224075	1.750665018	0.196986371	0.1	0.82	0.620270686	7.442534923	19714.61768
665.4	0.293334435	1.751323914	0.19702415	0.1	0.82	0.620389643	7.443961973	19722.06164
665.6	0.293444817	1.751982937	0.197061951	0.1	0.82	0.620508671	7.44538988	19729.50703
665.8	0.29355522	1.752642087	0.197099775	0.1	0.82	0.62062777	7.446818644	19736.95385
666	0.293665645	1.753301365	0.197137621	0.1	0.82	0.620746941	7.448248265	19744.4021
666.2	0.29377609	1.75396077	0.19717549	0.1	0.82	0.620866183	7.449678746	19751.85178
666.4	0.293886557	1.754620303	0.197213382	0.1	0.82	0.620985498	7.451110086	19759.30289
666.6	0.293997046	1.755279963	0.197251297	0.1	0.82	0.621104883	7.452542286	19766.75543
666.8	0.294107556	1.755939752	0.197289234	0.1	0.82	0.621224341	7.453975348	19774.2094
667	0.294218087	1.756599668	0.197327195	0.1	0.82	0.621343871	7.455409272	19781.66481
667.2	0.29432864	1.757259712	0.197365178	0.1	0.82	0.621463472	7.45684406	19789.12166
667.4	0.294439214	1.757919884	0.197403184	0.1	0.82	0.621583146	7.458279711	19796.57994
667.6	0.29454981	1.758580184	0.197441213	0.1	0.82	0.621702892	7.459716227	19804.03965
667.8	0.294660427	1.759240612	0.197479265	0.1	0.82	0.62182271	7.461153609	19811.50081
668	0.294771065	1.759901169	0.19751734	0.1	0.82	0.6219426	7.462591857	19818.9634
668.2	0.294881725	1.760561854	0.197555438	0.1	0.82	0.622062562	7.464030973	19826.42743
668.4	0.294992407	1.761222667	0.197593559	0.1	0.82	0.622182597	7.465470958	19833.8929
668.6	0.29510311	1.761883609	0.197631702	0.1	0.82	0.622302705	7.466911811	19841.35981
668.8	0.295213835	1.762544679	0.197669869	0.1	0.82	0.622422885	7.468353535	19848.82817
669	0.295324581	1.763205878	0.197708059	0.1	0.82	0.622543137	7.46979613	19856.29796
669.2	0.295435349	1.763867205	0.197746272	0.1	0.82	0.622663462	7.471239597	19863.7692
669.4	0.295546138	1.764528661	0.197784508	0.1	0.82	0.62278386	7.472683936	19871.24189
669.6	0.295656949	1.765190247	0.197822768	0.1	0.82	0.622904331	7.474129149	19878.71601
669.8	0.295767781	1.765851961	0.19786105	0.1	0.82	0.623024875	7.475575237	19886.19159
670	0.295878635	1.766513804	0.197899356	0.1	0.82	0.623145492	7.4770222	19893.66861
670.2	0.295989511	1.767175776	0.197937685	0.1	0.82	0.623266182	7.47847004	19901.14708
670.4	0.296100408	1.767837877	0.197976037	0.1	0.82	0.623386945	7.479918756	19908.627

670.6	0.296211327	1.768500108	0.198014412	0.1	0.82	0.623507781	7.481368351	19916.10837
670.8	0.296322268	1.769162467	0.198052811	0.1	0.82	0.62362869	7.482818825	19923.59119
671	0.29643323	1.769824957	0.198091233	0.1	0.82	0.623749673	7.484270179	19931.07546
671.2	0.296544214	1.770487576	0.198129678	0.1	0.82	0.623870729	7.485722414	19938.56118
671.4	0.29665522	1.771150324	0.198168146	0.1	0.82	0.623991859	7.48717553	19946.04836
671.6	0.296766247	1.771813202	0.198206638	0.1	0.82	0.624113062	7.488629529	19953.53699
671.8	0.296877296	1.772476209	0.198245154	0.1	0.82	0.624234339	7.490084412	19961.02707
672	0.296988367	1.773139347	0.198283692	0.1	0.82	0.62435569	7.491540179	19968.51861
672.2	0.29709946	1.773802614	0.198322254	0.1	0.82	0.624477115	7.492996831	19976.01161
672.4	0.297210574	1.774466012	0.19836084	0.1	0.82	0.624598613	7.494454369	19983.50606
672.6	0.29732171	1.775129539	0.198399449	0.1	0.82	0.624720186	7.495912795	19991.00197
672.8	0.297432868	1.775793196	0.198438082	0.1	0.82	0.624841832	7.497372109	19998.49935
673	0.297544048	1.776456984	0.198476738	0.1	0.82	0.624963553	7.498832311	20005.99818
673.2	0.29765525	1.777120902	0.198515418	0.1	0.82	0.625085348	7.500293404	20013.49847
673.4	0.297766473	1.77778495	0.198554121	0.1	0.82	0.625207217	7.501755387	20021.00023
673.6	0.297877718	1.778449129	0.198592848	0.1	0.82	0.62532916	7.503218262	20028.50345
673.8	0.297988985	1.779113438	0.198631599	0.1	0.82	0.625451178	7.50468203	20036.00813
674	0.298100274	1.779777878	0.198670373	0.1	0.82	0.62557327	7.506146691	20043.51427
674.2	0.298211585	1.780442449	0.198709171	0.1	0.82	0.625695437	7.507612246	20051.02189
674.4	0.298322918	1.78110715	0.198747993	0.1	0.82	0.625817679	7.509078697	20058.53097
674.6	0.298434273	1.781771982	0.198786838	0.1	0.82	0.625939995	7.510546044	20066.04151
674.8	0.298545649	1.782436945	0.198825707	0.1	0.82	0.626062386	7.512014289	20073.55353
675	0.298657048	1.783102039	0.1988646	0.1	0.82	0.626184852	7.513483431	20081.06701
675.2	0.298768468	1.783767264	0.198903517	0.1	0.82	0.626307393	7.514953473	20088.58196
675.4	0.298879911	1.78443262	0.198942457	0.1	0.82	0.626430009	7.516424414	20096.09839
675.6	0.298991375	1.785098108	0.198981422	0.1	0.82	0.6265527	7.517896257	20103.61628
675.8	0.299102862	1.785763727	0.19902041	0.1	0.82	0.626675467	7.519369001	20111.13565
676	0.29921437	1.786429477	0.199059422	0.1	0.82	0.626798308	7.520842648	20118.6565
676.2	0.299325901	1.787095359	0.199098458	0.1	0.82	0.626921225	7.522317198	20126.17881
676.4	0.299437453	1.787761372	0.199137518	0.1	0.82	0.627044217	7.523792654	20133.70261
676.6	0.299549028	1.788427517	0.199176602	0.1	0.82	0.627167285	7.525269015	20141.22787
676.8	0.299660625	1.789093793	0.19921571	0.1	0.82	0.627290429	7.526746282	20148.75462
677	0.299772243	1.789760202	0.199254842	0.1	0.82	0.627413648	7.528224456	20156.28284
677.2	0.299883884	1.790426742	0.199293998	0.1	0.82	0.627536942	7.529703539	20163.81255
677.4	0.299995547	1.791093415	0.199333179	0.1	0.82	0.627660313	7.531183532	20171.34373
677.6	0.300107232	1.791760219	0.199372383	0.1	0.82	0.627783759	7.532664434	20178.8764
677.8	0.300218939	1.792427155	0.199411611	0.1	0.82	0.627907282	7.534146248	20186.41054

678	0.300330669	1.793094224	0.199450864	0.1	0.82	0.62803088	7.535628974	20193.94617
678.2	0.30044242	1.793761425	0.199490141	0.1	0.82	0.628154555	7.537112613	20201.48328
678.4	0.300554194	1.794428759	0.199529442	0.1	0.82	0.628278306	7.538597166	20209.02188
678.6	0.30066599	1.795096225	0.199568767	0.1	0.82	0.628402133	7.540082633	20216.56196
678.8	0.300777808	1.795763823	0.199608116	0.1	0.82	0.628526036	7.541569017	20224.10353
679	0.300889648	1.796431554	0.19964749	0.1	0.82	0.628650016	7.543056318	20231.64659
679.2	0.30100151	1.797099418	0.199686888	0.1	0.82	0.628774073	7.544544536	20239.19113
679.4	0.301113395	1.797767414	0.19972631	0.1	0.82	0.628898206	7.546033673	20246.73717
679.6	0.301225302	1.798435544	0.199765757	0.1	0.82	0.629022416	7.54752373	20254.28469
679.8	0.301337231	1.799103806	0.199805228	0.1	0.82	0.629146702	7.549014707	20261.83371
680	0.301449183	1.799772202	0.199844724	0.1	0.82	0.629271066	7.550506606	20269.38421
680.2	0.301561157	1.80044073	0.199884243	0.1	0.82	0.629395506	7.551999428	20276.93621
680.4	0.301673153	1.801109392	0.199923788	0.1	0.82	0.629520023	7.553493173	20284.48971
680.6	0.301785171	1.801778187	0.199963357	0.1	0.82	0.629644617	7.554987843	20292.04469
680.8	0.301897212	1.802447116	0.20000295	0.1	0.82	0.629769289	7.556483438	20299.60118
681	0.302009275	1.803116178	0.200042568	0.1	0.82	0.629894038	7.557979959	20307.15916
681.2	0.302121361	1.803785373	0.20008221	0.1	0.82	0.630018864	7.559477408	20314.71863
681.4	0.302233469	1.804454702	0.200121877	0.1	0.82	0.630143767	7.560975785	20322.27961
681.6	0.302345599	1.805124165	0.200161569	0.1	0.82	0.630268748	7.562475092	20329.84208
681.8	0.302457752	1.805793762	0.200201285	0.1	0.82	0.630393807	7.563975329	20337.40606
682	0.302569927	1.806463492	0.200241026	0.1	0.82	0.630518943	7.565476497	20344.97154
682.2	0.302682125	1.807133356	0.200280792	0.1	0.82	0.630644157	7.566978597	20352.53852
682.4	0.302794345	1.807803355	0.200320582	0.1	0.82	0.630769448	7.568481631	20360.107
682.6	0.302906587	1.808473487	0.200360397	0.1	0.82	0.630894818	7.569985598	20367.67698
682.8	0.303018852	1.809143754	0.200400237	0.1	0.82	0.631020266	7.571490501	20375.24847
683	0.30313114	1.809814155	0.200440101	0.1	0.82	0.631145791	7.57299634	20382.82147
683.2	0.303243449	1.810484691	0.200479991	0.1	0.82	0.631271395	7.574503116	20390.39597
683.4	0.303355782	1.811155361	0.200519905	0.1	0.82	0.631397077	7.57601083	20397.97198
683.6	0.303468137	1.811826165	0.200559844	0.1	0.82	0.631522837	7.577519483	20405.5495
683.8	0.303580515	1.812497104	0.200599808	0.1	0.82	0.631648676	7.579029077	20413.12853
684	0.303692915	1.813168178	0.200639797	0.1	0.82	0.631774593	7.580539611	20420.70907
684.2	0.303805337	1.813839387	0.200679811	0.1	0.82	0.631900588	7.582051087	20428.29112
684.4	0.303917783	1.81451073	0.20071985	0.1	0.82	0.632026663	7.583563506	20435.87469
684.6	0.304030251	1.815182209	0.200759913	0.1	0.82	0.632152816	7.58507687	20443.45976
684.8	0.304142741	1.815853822	0.200800002	0.1	0.82	0.632279047	7.586591178	20451.04635
685	0.304255254	1.816525571	0.200840116	0.1	0.82	0.632405358	7.588106432	20458.63446
685.2	0.30436779	1.817197455	0.200880255	0.1	0.82	0.632531748	7.589622633	20466.22408

685.4	0.304480349	1.817869474	0.200920419	0.1	0.82	0.632658216	7.591139782	20473.81522
685.6	0.30459293	1.818541629	0.200960608	0.1	0.82	0.632784764	7.592657881	20481.40788
685.8	0.304705534	1.819213919	0.201000823	0.1	0.82	0.632911391	7.594176929	20489.00206
686	0.30481816	1.819886345	0.201041062	0.1	0.82	0.633038097	7.595696928	20496.59775
686.2	0.30493081	1.820558906	0.201081327	0.1	0.82	0.633164883	7.597217879	20504.19497
686.4	0.305043482	1.821231603	0.201121617	0.1	0.82	0.633291748	7.598739783	20511.79371
686.6	0.305156176	1.821904436	0.201161932	0.1	0.82	0.633418692	7.600262641	20519.39397
686.8	0.305268894	1.822577405	0.201202273	0.1	0.82	0.633545717	7.601786454	20526.99576
687	0.305381634	1.82325051	0.201242639	0.1	0.82	0.63367282	7.603311222	20534.59907
687.2	0.305494397	1.823923751	0.20128303	0.1	0.82	0.633800004	7.604836948	20542.20391
687.4	0.305607183	1.824597128	0.201323446	0.1	0.82	0.633927268	7.606363632	20549.81027
687.6	0.305719992	1.825270641	0.201363888	0.1	0.82	0.634054611	7.607891275	20557.41816
687.8	0.305832824	1.825944291	0.201404356	0.1	0.82	0.634182035	7.609419878	20565.02758
688	0.305945678	1.826618077	0.201444848	0.1	0.82	0.634309539	7.610949442	20572.63853
688.2	0.306058555	1.827291999	0.201485367	0.1	0.82	0.634437123	7.612479968	20580.25101
688.4	0.306171456	1.827966058	0.20152591	0.1	0.82	0.634564787	7.614011457	20587.86503
688.6	0.306284379	1.828640254	0.20156648	0.1	0.82	0.634692531	7.61554391	20595.48057
688.8	0.306397325	1.829314587	0.201607075	0.1	0.82	0.634820357	7.617077328	20603.09765
689	0.306510294	1.829989056	0.201647695	0.1	0.82	0.634948262	7.618611713	20610.71626
689.2	0.306623285	1.830663663	0.201688341	0.1	0.82	0.635076248	7.620147064	20618.33641
689.4	0.3067363	1.831338406	0.201729013	0.1	0.82	0.635204315	7.621683384	20625.95809
689.6	0.306849338	1.832013287	0.20176971	0.1	0.82	0.635332463	7.623220673	20633.58131
689.8	0.306962399	1.832688305	0.201810433	0.1	0.82	0.635460692	7.624758932	20641.20607
690	0.307075482	1.83336346	0.201851182	0.1	0.82	0.635589002	7.626298162	20648.83237
690.2	0.307188589	1.834038752	0.201891956	0.1	0.82	0.635717392	7.627838365	20656.4602
690.4	0.307301719	1.834714182	0.201932757	0.1	0.82	0.635845864	7.629379541	20664.08958
690.6	0.307414872	1.83538975	0.201973583	0.1	0.82	0.635974417	7.630921691	20671.72051
690.8	0.307528048	1.836065455	0.202014435	0.1	0.82	0.636103052	7.632464817	20679.35297
691	0.307641246	1.836741298	0.202055312	0.1	0.82	0.636231768	7.634008919	20686.98698
691.2	0.307754468	1.837417279	0.202096216	0.1	0.82	0.636360565	7.635553998	20694.62253
691.4	0.307867714	1.838093397	0.202137146	0.1	0.82	0.636489444	7.637100057	20702.25963
691.6	0.307980982	1.838769654	0.202178101	0.1	0.82	0.636618405	7.638647094	20709.89828
691.8	0.308094273	1.839446049	0.202219083	0.1	0.82	0.636747447	7.640195113	20717.53848
692	0.308207588	1.840122582	0.20226009	0.1	0.82	0.636876571	7.641744112	20725.18022
692.2	0.308320925	1.840799253	0.202301123	0.1	0.82	0.637005778	7.643294095	20732.82351
692.4	0.308434286	1.841476062	0.202342183	0.1	0.82	0.637135066	7.644845061	20740.46836
692.6	0.30854767	1.84215301	0.202383269	0.1	0.82	0.637264436	7.646397012	20748.11476

692.8	0.308661077	1.842830097	0.20242438	0.1	0.82	0.637393889	7.647949949	20755.76271
693	0.308774508	1.843507322	0.202465518	0.1	0.82	0.637523423	7.649503873	20763.41221
693.2	0.308887962	1.844184686	0.202506682	0.1	0.82	0.637653041	7.651058785	20771.06327
693.4	0.309001438	1.844862188	0.202547872	0.1	0.82	0.63778274	7.652614686	20778.71588
693.6	0.309114939	1.84553983	0.202589089	0.1	0.82	0.637912522	7.654171576	20786.37006
693.8	0.309228462	1.84621761	0.202630331	0.1	0.82	0.638042387	7.655729458	20794.02578
694	0.309342009	1.84689553	0.2026716	0.1	0.82	0.638172335	7.657288332	20801.68307
694.2	0.309455579	1.847573588	0.202712895	0.1	0.82	0.638302365	7.6588482	20809.34192
694.4	0.309569172	1.848251786	0.202754217	0.1	0.82	0.638432478	7.660409061	20817.00233
694.6	0.309682789	1.848930123	0.202795565	0.1	0.82	0.638562675	7.661970918	20824.6643
694.8	0.309796429	1.8496086	0.202836939	0.1	0.82	0.638692954	7.663533772	20832.32783
695	0.309910092	1.850287216	0.20287834	0.1	0.82	0.638823316	7.665097623	20839.99293
695.2	0.310023779	1.850965972	0.202919767	0.1	0.82	0.638953762	7.666662472	20847.65959
695.4	0.31013749	1.851644867	0.202961221	0.1	0.82	0.639084291	7.668228321	20855.32782
695.6	0.310251223	1.852323903	0.203002701	0.1	0.82	0.639214904	7.669795171	20862.99762
695.8	0.31036498	1.853003078	0.203044207	0.1	0.82	0.6393456	7.671363023	20870.66898
696	0.310478761	1.853682393	0.20308574	0.1	0.82	0.63947638	7.672931877	20878.34191
696.2	0.310592565	1.854361848	0.2031273	0.1	0.82	0.639607243	7.674501736	20886.01641
696.4	0.310706392	1.855041443	0.203168887	0.1	0.82	0.63973819	7.676072599	20893.69249
696.6	0.310820243	1.855721179	0.2032105	0.1	0.82	0.639869221	7.677644469	20901.37013
696.8	0.310934117	1.856401054	0.203252139	0.1	0.82	0.640000336	7.679217345	20909.04935
697	0.311048015	1.857081071	0.203293806	0.1	0.82	0.640131535	7.68079123	20916.73014
697.2	0.311161937	1.857761227	0.203335499	0.1	0.82	0.640262819	7.682366125	20924.41251
697.4	0.311275882	1.858441525	0.203377219	0.1	0.82	0.640394186	7.68394203	20932.09645
697.6	0.31138985	1.859121963	0.203418965	0.1	0.82	0.640525638	7.685518946	20939.78197
697.8	0.311503843	1.859802541	0.203460739	0.1	0.82	0.640657174	7.687096875	20947.46906
698	0.311617858	1.860483261	0.203502539	0.1	0.82	0.640788795	7.688675818	20955.15774
698.2	0.311731898	1.861164121	0.203544366	0.1	0.82	0.640920501	7.690255775	20962.848
698.4	0.311845961	1.861845123	0.20358622	0.1	0.82	0.641052291	7.691836749	20970.53983
698.6	0.311960047	1.862526266	0.203628101	0.1	0.82	0.641184166	7.693418739	20978.23325
698.8	0.312074157	1.86320755	0.203670009	0.1	0.82	0.641316126	7.695001748	20985.92825
699	0.312188291	1.863888975	0.203711944	0.1	0.82	0.64144817	7.696585775	20993.62484
699.2	0.312302449	1.864570542	0.203753906	0.1	0.82	0.6415803	7.698170824	21001.32301
699.4	0.31241663	1.86525225	0.203795895	0.1	0.82	0.641712515	7.699756893	21009.02277
699.6	0.312530835	1.8659341	0.203837911	0.1	0.82	0.641844816	7.701343985	21016.72411
699.8	0.312645064	1.866616091	0.203879955	0.1	0.82	0.641977201	7.702932101	21024.42704
700	0.312759317	1.867298225	0.203922025	0.1	0.82	0.642109672	7.704521241	21032.13156

700.2	0.312873593	1.8679805	0.203964123	0.1	0.82	0.642242229	7.706111408	21039.83768
700.4	0.312987893	1.868662917	0.204006247	0.1	0.82	0.642374871	7.707702601	21047.54538
700.6	0.313102217	1.869345476	0.204048399	0.1	0.82	0.642507599	7.709294822	21055.25467
700.8	0.313216565	1.870028178	0.204090578	0.1	0.82	0.642640413	7.710888073	21062.96556
701	0.313330936	1.870711021	0.204132785	0.1	0.82	0.642773313	7.712482354	21070.67804
701.2	0.313445331	1.871394007	0.204175019	0.1	0.82	0.642906298	7.714077666	21078.39212
701.4	0.313559751	1.872077135	0.20421728	0.1	0.82	0.64303937	7.715674011	21086.1078
701.6	0.313674194	1.872760406	0.204259568	0.1	0.82	0.643172528	7.717271389	21093.82507
701.8	0.313788661	1.87344382	0.204301884	0.1	0.82	0.643305772	7.718869803	21101.54394
702	0.313903152	1.874127376	0.204344227	0.1	0.82	0.643439103	7.720469252	21109.26441
702.2	0.314017666	1.874811075	0.204386598	0.1	0.82	0.64357252	7.722069739	21116.98648
702.4	0.314132205	1.875494917	0.204428996	0.1	0.82	0.643706024	7.723671263	21124.71015
702.6	0.314246768	1.876178902	0.204471422	0.1	0.82	0.643839614	7.725273827	21132.43542
702.8	0.314361354	1.87686303	0.204513875	0.1	0.82	0.643973291	7.726877431	21140.1623
703	0.314475965	1.877547301	0.204556356	0.1	0.82	0.644107055	7.728482077	21147.89078
703.2	0.3145906	1.878231715	0.204598865	0.1	0.82	0.644240906	7.730087766	21155.62087
703.4	0.314705258	1.878916273	0.204641401	0.1	0.82	0.644374844	7.731694499	21163.35256
703.6	0.314819941	1.879600975	0.204683965	0.1	0.82	0.644508869	7.733302276	21171.08586
703.8	0.314934647	1.880285819	0.204726557	0.1	0.82	0.644642981	7.7349111	21178.82078
704	0.315049378	1.880970808	0.204769176	0.1	0.82	0.644777181	7.736520971	21186.5573
704.2	0.315164133	1.88165594	0.204811823	0.1	0.82	0.644911468	7.738131891	21194.29543
704.4	0.315278912	1.882341216	0.204854498	0.1	0.82	0.645045842	7.73974386	21202.03517
704.6	0.315393715	1.883026636	0.2048972	0.1	0.82	0.645180304	7.74135688	21209.77653
704.8	0.315508542	1.8837122	0.204939931	0.1	0.82	0.645314854	7.742970951	21217.5195
705	0.315623393	1.884397908	0.204982689	0.1	0.82	0.645449492	7.744586076	21225.26409
705.2	0.315738269	1.88508376	0.205025476	0.1	0.82	0.645584217	7.746202255	21233.01029
705.4	0.315853168	1.885769757	0.20506829	0.1	0.82	0.645719031	7.74781949	21240.75811
705.6	0.315968092	1.886455898	0.205111132	0.1	0.82	0.645853933	7.749437781	21248.50755
705.8	0.31608304	1.887142183	0.205154002	0.1	0.82	0.645988922	7.751057129	21256.2586
706	0.316198012	1.887828614	0.205196901	0.1	0.82	0.646124	7.752677537	21264.01128
706.2	0.316313009	1.888515188	0.205239827	0.1	0.82	0.646259167	7.754299004	21271.76558
706.4	0.31642803	1.889201908	0.205282781	0.1	0.82	0.646394422	7.755921533	21279.5215
706.6	0.316543075	1.889888772	0.205325764	0.1	0.82	0.646529765	7.757545124	21287.27905
706.8	0.316658144	1.890575782	0.205368775	0.1	0.82	0.646665198	7.759169778	21295.03822
707	0.316773237	1.891262936	0.205411814	0.1	0.82	0.646800719	7.760795497	21302.79901
707.2	0.316888355	1.891950236	0.205454881	0.1	0.82	0.646936328	7.762422282	21310.56143
707.4	0.317003497	1.892637681	0.205497976	0.1	0.82	0.647072027	7.764050134	21318.32548

707.6	0.317118664	1.893325271	0.2055411	0.1	0.82	0.647207815	7.765679054	21326.09116
707.8	0.317233855	1.894013007	0.205584252	0.1	0.82	0.647343692	7.767309044	21333.85847
708	0.31734907	1.894700888	0.205627432	0.1	0.82	0.647479659	7.768940104	21341.62741
708.2	0.31746431	1.895388915	0.205670641	0.1	0.82	0.647615714	7.770572236	21349.39798
708.4	0.317579574	1.896077088	0.205713878	0.1	0.82	0.647751859	7.772205441	21357.17019
708.6	0.317694862	1.896765406	0.205757144	0.1	0.82	0.647888094	7.77383972	21364.94403
708.8	0.317810175	1.897453871	0.205800438	0.1	0.82	0.648024418	7.775475074	21372.7195
709	0.317925513	1.898142481	0.20584376	0.1	0.82	0.648160832	7.777111505	21380.49662
709.2	0.318040875	1.898831238	0.205887111	0.1	0.82	0.648297336	7.778749013	21388.27536
709.4	0.318156261	1.899520141	0.205930491	0.1	0.82	0.64843393	7.780387601	21396.05575
709.6	0.318271672	1.90020919	0.205973899	0.1	0.82	0.648570614	7.782027268	21403.83778
709.8	0.318387107	1.900898386	0.206017336	0.1	0.82	0.648707388	7.783668017	21411.62145
710	0.318502567	1.901587728	0.206060802	0.1	0.82	0.648844253	7.785309848	21419.40676
710.2	0.318618052	1.902277217	0.206104296	0.1	0.82	0.648981208	7.786952763	21427.19371
710.4	0.318733561	1.902966852	0.206147819	0.1	0.82	0.649118253	7.788596762	21434.98231
710.6	0.318849095	1.903656634	0.206191371	0.1	0.82	0.649255389	7.790241848	21442.77255
710.8	0.318964653	1.904346564	0.206234951	0.1	0.82	0.649392615	7.791888021	21450.56444
711	0.319080236	1.90503664	0.206278561	0.1	0.82	0.649529932	7.793535283	21458.35797
711.2	0.319195843	1.905726863	0.206322199	0.1	0.82	0.64966734	7.795183634	21466.15316
711.4	0.319311476	1.906417234	0.206365866	0.1	0.82	0.649804839	7.796833076	21473.94999
711.6	0.319427132	1.907107751	0.206409562	0.1	0.82	0.649942429	7.79848361	21481.74847
711.8	0.319542814	1.907798417	0.206453287	0.1	0.82	0.65008011	7.800135238	21489.54861
712	0.31965852	1.908489229	0.206497041	0.1	0.82	0.650217883	7.80178796	21497.3504
712.2	0.319774251	1.90918019	0.206540824	0.1	0.82	0.650355747	7.803441778	21505.15384
712.4	0.319890007	1.909871298	0.206584636	0.1	0.82	0.650493702	7.805096693	21512.95893
712.6	0.320005787	1.910562554	0.206628477	0.1	0.82	0.650631749	7.806752706	21520.76569
712.8	0.320121593	1.911253957	0.206672347	0.1	0.82	0.650769887	7.808409819	21528.5741
713	0.320237423	1.911945509	0.206716247	0.1	0.82	0.650908118	7.810068032	21536.38416
713.2	0.320353278	1.912637209	0.206760175	0.1	0.82	0.65104644	7.811727347	21544.19589
713.4	0.320469157	1.913329057	0.206804133	0.1	0.82	0.651184854	7.813387765	21552.00928
713.6	0.320585062	1.914021053	0.20684812	0.1	0.82	0.65132336	7.815049288	21559.82433
713.8	0.320700991	1.914713198	0.206892136	0.1	0.82	0.651461959	7.816711916	21567.64104
714	0.320816945	1.915405491	0.206936182	0.1	0.82	0.65160065	7.818375651	21575.45942
714.2	0.320932925	1.916097933	0.206980257	0.1	0.82	0.651739433	7.820040494	21583.27946
714.4	0.321048929	1.916790523	0.207024361	0.1	0.82	0.651878308	7.821706447	21591.10116
714.6	0.321164958	1.917483262	0.207068495	0.1	0.82	0.652017277	7.82337351	21598.92454
714.8	0.321281011	1.91817615	0.207112658	0.1	0.82	0.652156338	7.825041685	21606.74958

715	0.32139709	1.918869188	0.207156851	0.1	0.82	0.652295491	7.826710973	21614.57629
715.2	0.321513194	1.919562374	0.207201073	0.1	0.82	0.652434738	7.828381375	21622.40467
715.4	0.321629323	1.920255709	0.207245324	0.1	0.82	0.652574078	7.830052893	21630.23472
715.6	0.321745477	1.920949194	0.207289606	0.1	0.82	0.65271351	7.831725527	21638.06645
715.8	0.321861655	1.921642828	0.207333917	0.1	0.82	0.652853036	7.83339928	21645.89985
716	0.321977859	1.922336611	0.207378257	0.1	0.82	0.652992656	7.835074152	21653.73492
716.2	0.322094088	1.923030545	0.207422627	0.1	0.82	0.653132368	7.836750144	21661.57167
716.4	0.322210342	1.923724627	0.207467027	0.1	0.82	0.653272175	7.838427259	21669.4101
716.6	0.322326621	1.92441886	0.207511457	0.1	0.82	0.653412075	7.840105496	21677.25021
716.8	0.322442926	1.925113243	0.207555916	0.1	0.82	0.653552068	7.841784858	21685.09199
717	0.322559255	1.925807775	0.207600405	0.1	0.82	0.653692156	7.843465345	21692.93546
717.2	0.322675609	1.926502458	0.207644924	0.1	0.82	0.653832337	7.845146959	21700.7806
717.4	0.322791989	1.927197291	0.207689473	0.1	0.82	0.653972613	7.846829702	21708.62743
717.6	0.322908394	1.927892274	0.207734052	0.1	0.82	0.654112983	7.848513574	21716.47595
717.8	0.323024824	1.928587407	0.207778661	0.1	0.82	0.654253447	7.850198576	21724.32615
718	0.323141279	1.929282691	0.207823299	0.1	0.82	0.654394005	7.851884711	21732.17803
718.2	0.323257759	1.929978126	0.207867968	0.1	0.82	0.654534658	7.853571979	21740.0316
718.4	0.323374265	1.930673711	0.207912667	0.1	0.82	0.654675406	7.855260381	21747.88686
718.6	0.323490796	1.931369448	0.207957396	0.1	0.82	0.654816248	7.856949919	21755.74381
718.8	0.323607352	1.932065335	0.208002155	0.1	0.82	0.654957185	7.858640595	21763.60245
719	0.323723934	1.932761373	0.208046944	0.1	0.82	0.655098217	7.860332408	21771.46279
719.2	0.32384054	1.933457562	0.208091763	0.1	0.82	0.655239344	7.862025362	21779.32481
719.4	0.323957172	1.934153903	0.208136613	0.1	0.82	0.655380566	7.863719456	21787.18853
719.6	0.32407383	1.934850394	0.208181492	0.1	0.82	0.655521883	7.865414693	21795.05394
719.8	0.324190513	1.935547038	0.208226402	0.1	0.82	0.655663296	7.867111073	21802.92106
720	0.324307221	1.936243832	0.208271343	0.1	0.82	0.655804804	7.868808598	21810.78986
720.2	0.324423955	1.936940779	0.208316313	0.1	0.82	0.655946408	7.870507269	21818.66037
720.4	0.324540714	1.937637877	0.208361314	0.1	0.82	0.656088107	7.872207088	21826.53258
720.6	0.324657498	1.938335127	0.208406346	0.1	0.82	0.656229902	7.873908056	21834.40649
720.8	0.324774308	1.939032529	0.208451408	0.1	0.82	0.656371793	7.875610173	21842.2821
721	0.324891143	1.939730083	0.2084965	0.1	0.82	0.65651378	7.877313442	21850.15941
721.2	0.325008004	1.940427789	0.208541623	0.1	0.82	0.656655864	7.879017864	21858.03843
721.4	0.325124891	1.941125647	0.208586777	0.1	0.82	0.656798043	7.880723439	21865.91915
721.6	0.325241803	1.941823658	0.208631961	0.1	0.82	0.656940319	7.88243017	21873.80158
721.8	0.32535874	1.942521821	0.208677176	0.1	0.82	0.657082691	7.884138058	21881.68572
722	0.325475703	1.943220137	0.208722421	0.1	0.82	0.65722516	7.885847103	21889.57157
722.2	0.325592691	1.943918605	0.208767697	0.1	0.82	0.657367725	7.887557308	21897.45912

722.4	0.325709706	1.944617226	0.208813004	0.1	0.82	0.657510387	7.889268673	21905.34839
722.6	0.325826745	1.945316	0.208858342	0.1	0.82	0.657653146	7.8909812	21913.23937
722.8	0.325943811	1.946014927	0.20890371	0.1	0.82	0.657796002	7.892694891	21921.13207
723	0.326060902	1.946714008	0.208949109	0.1	0.82	0.657938955	7.894409746	21929.02648
723.2	0.326178018	1.947413241	0.208994539	0.1	0.82	0.658082006	7.896125767	21936.9226
723.4	0.326295161	1.948112628	0.20904	0.1	0.82	0.658225153	7.897842955	21944.82045
723.6	0.326412329	1.948812168	0.209085492	0.1	0.82	0.658368399	7.899561312	21952.72001
723.8	0.326529522	1.949511861	0.209131015	0.1	0.82	0.658511741	7.901280838	21960.62129
724	0.326646742	1.950211708	0.209176569	0.1	0.82	0.658655182	7.903001536	21968.52429
724.2	0.326763987	1.950911709	0.209222154	0.1	0.82	0.65879872	7.904723407	21976.42901
724.4	0.326881258	1.951611864	0.20926777	0.1	0.82	0.658942356	7.906446451	21984.33546
724.6	0.326998555	1.952312173	0.209313418	0.1	0.82	0.65908609	7.908170671	21992.24363
724.8	0.327115878	1.953012635	0.209359096	0.1	0.82	0.659229922	7.909896067	22000.15353
725	0.327233226	1.953713252	0.209404806	0.1	0.82	0.659373852	7.911622641	22008.06515
725.2	0.3273506	1.954414023	0.209450546	0.1	0.82	0.659517881	7.913350395	22015.9785
725.4	0.327468	1.955114949	0.209496318	0.1	0.82	0.659662008	7.915079329	22023.89358
725.6	0.327585426	1.955816029	0.209542122	0.1	0.82	0.659806233	7.916809445	22031.81039
725.8	0.327702878	1.956517263	0.209587957	0.1	0.82	0.659950558	7.918540745	22039.72893
726	0.327820356	1.957218652	0.209633823	0.1	0.82	0.660094981	7.920273229	22047.6492
726.2	0.327937859	1.957920196	0.20967972	0.1	0.82	0.660239503	7.922006899	22055.57121
726.4	0.328055389	1.958621895	0.209725649	0.1	0.82	0.660384124	7.923741757	22063.49495
726.6	0.328172945	1.959323749	0.209771609	0.1	0.82	0.660528844	7.925477804	22071.42043
726.8	0.328290526	1.960025758	0.209817601	0.1	0.82	0.660673663	7.927215041	22079.34765
727	0.328408134	1.960727922	0.209863625	0.1	0.82	0.660818582	7.92895347	22087.2766
727.2	0.328525767	1.961430241	0.20990968	0.1	0.82	0.6609636	7.930693091	22095.20729
727.4	0.328643427	1.962132716	0.209955767	0.1	0.82	0.661108718	7.932433907	22103.13973
727.6	0.328761113	1.962835347	0.210001885	0.1	0.82	0.661253935	7.934175919	22111.0739
727.8	0.328878824	1.963538133	0.210048035	0.1	0.82	0.661399253	7.935919127	22119.00982
728	0.328996562	1.964241075	0.210094217	0.1	0.82	0.66154467	7.937663535	22126.94748
728.2	0.329114326	1.964944172	0.21014043	0.1	0.82	0.661690187	7.939409142	22134.88689
728.4	0.329232116	1.965647426	0.210186676	0.1	0.82	0.661835805	7.94115595	22142.82805
728.6	0.329349932	1.966350836	0.210232953	0.1	0.82	0.661981522	7.942903961	22150.77095
728.8	0.329467775	1.967054401	0.210279262	0.1	0.82	0.66212734	7.944653176	22158.71561
729	0.329585643	1.967758124	0.210325603	0.1	0.82	0.662273259	7.946403596	22166.66201
729.2	0.329703538	1.968462002	0.210371976	0.1	0.82	0.662419278	7.948155223	22174.61017
729.4	0.329821459	1.969166037	0.210418381	0.1	0.82	0.662565398	7.949908059	22182.56007
729.6	0.329939406	1.969870229	0.210464818	0.1	0.82	0.662711619	7.951662104	22190.51174

729.8	0.330057379	1.970574578	0.210511287	0.1	0.82	0.662857941	7.95341736	22198.46515
730	0.330175379	1.971279083	0.210557788	0.1	0.82	0.663004364	7.955173828	22206.42033
730.2	0.330293405	1.971983745	0.210604322	0.1	0.82	0.663150888	7.95693151	22214.37726
730.4	0.330411457	1.972688564	0.210650887	0.1	0.82	0.663297513	7.958690408	22222.33595
730.6	0.330529536	1.973393541	0.210697485	0.1	0.82	0.66344424	7.960450522	22230.2964
730.8	0.330647641	1.974098675	0.210744115	0.1	0.82	0.663591069	7.962211854	22238.25861
731	0.330765772	1.974803966	0.210790777	0.1	0.82	0.663737999	7.963974406	22246.22259
731.2	0.33088393	1.975509414	0.210837472	0.1	0.82	0.663885031	7.965738179	22254.18832
731.4	0.331002114	1.97621502	0.210884199	0.1	0.82	0.664032165	7.967503174	22262.15583
731.6	0.331120324	1.976920784	0.210930958	0.1	0.82	0.664179401	7.969269393	22270.1251
731.8	0.331238561	1.977626706	0.21097775	0.1	0.82	0.664326739	7.971036837	22278.09613
732	0.331356825	1.978332786	0.211024574	0.1	0.82	0.664474179	7.972805507	22286.06894
732.2	0.331475114	1.979039023	0.211071431	0.1	0.82	0.664621722	7.974575406	22294.04351
732.4	0.331593431	1.979745419	0.21111832	0.1	0.82	0.664769367	7.976346534	22302.01986
732.6	0.331711774	1.980451973	0.211165242	0.1	0.82	0.664917115	7.978118893	22309.99798
732.8	0.331830143	1.981158686	0.211212197	0.1	0.82	0.665064966	7.979892484	22317.97787
733	0.331948539	1.981865557	0.211259184	0.1	0.82	0.665212919	7.981667309	22325.95954
733.2	0.332066961	1.982572587	0.211306204	0.1	0.82	0.665360976	7.98344337	22333.94298
733.4	0.332185411	1.983279775	0.211353257	0.1	0.82	0.665509135	7.985220667	22341.9282
733.6	0.332303886	1.983987122	0.211400342	0.1	0.82	0.665657398	7.986999202	22349.9152
733.8	0.332422388	1.984694628	0.211447461	0.1	0.82	0.665805765	7.988778977	22357.90398
734	0.332540917	1.985402293	0.211494612	0.1	0.82	0.665954234	7.990559993	22365.89454
734.2	0.332659473	1.986110118	0.211541796	0.1	0.82	0.666102808	7.992342251	22373.88688
734.4	0.332778055	1.986818101	0.211589013	0.1	0.82	0.666251485	7.994125753	22381.88101
734.6	0.332896664	1.987526244	0.211636263	0.1	0.82	0.666400265	7.995910501	22389.87692
734.8	0.3330153	1.988234546	0.211683546	0.1	0.82	0.66654915	7.997696495	22397.87462
735	0.333133962	1.988943008	0.211730862	0.1	0.82	0.666698139	7.999483738	22405.8741
735.2	0.333252651	1.98965163	0.211778212	0.1	0.82	0.666847232	8.00127223	22413.87537
735.4	0.333371367	1.990360412	0.211825594	0.1	0.82	0.66699643	8.003061974	22421.87843
735.6	0.33349011	1.991069353	0.211873009	0.1	0.82	0.667145732	8.004852971	22429.88329
735.8	0.33360888	1.991778455	0.211920458	0.1	0.82	0.667295138	8.006645222	22437.88993
736	0.333727676	1.992487717	0.21196794	0.1	0.82	0.66744465	8.008438728	22445.89837
736.2	0.333846499	1.993197139	0.212015455	0.1	0.82	0.667594266	8.010233492	22453.9086
736.4	0.333965349	1.993906721	0.212063004	0.1	0.82	0.667743987	8.012029514	22461.92063
736.6	0.334084226	1.994616464	0.212110586	0.1	0.82	0.667893813	8.013826797	22469.93446
736.8	0.33420313	1.995326368	0.212158201	0.1	0.82	0.668043744	8.015625341	22477.95009
737	0.334322061	1.996036432	0.21220585	0.1	0.82	0.668193781	8.017425148	22485.96751

737.2	0.334441019	1.996746657	0.212253532	0.1	0.82	0.668343923	8.019226219	22493.98674
737.4	0.334560003	1.997457043	0.212301248	0.1	0.82	0.66849417	8.021028557	22502.00777
737.6	0.334679015	1.998167591	0.212348998	0.1	0.82	0.668644524	8.022832163	22510.0306
737.8	0.334798054	1.998878299	0.212396781	0.1	0.82	0.668794983	8.024637037	22518.05524
738	0.334917119	1.999589169	0.212444597	0.1	0.82	0.668945548	8.026443182	22526.08168
738.2	0.335036212	2.0003002	0.212492448	0.1	0.82	0.669096219	8.028250599	22534.10993
738.4	0.335155332	2.001011392	0.212540332	0.1	0.82	0.669246996	8.03005929	22542.13999
738.6	0.335274479	2.001722747	0.212588249	0.1	0.82	0.66939788	8.031869256	22550.17186
738.8	0.335393652	2.002434263	0.212636201	0.1	0.82	0.66954887	8.033680499	22558.20554
739	0.335512854	2.003145941	0.212684187	0.1	0.82	0.669699967	8.035493019	22566.24103
739.2	0.335632082	2.003857781	0.212732206	0.1	0.82	0.66985117	8.037306819	22574.27834
739.4	0.335751337	2.004569783	0.212780259	0.1	0.82	0.67000248	8.039121901	22582.31746
739.6	0.33587062	2.005281947	0.212828346	0.1	0.82	0.670153897	8.040938265	22590.3584
739.8	0.335989929	2.005994274	0.212876468	0.1	0.82	0.670305422	8.042755913	22598.40115
740	0.336109266	2.006706763	0.212924623	0.1	0.82	0.670457053	8.044574847	22606.44573
740.2	0.33622863	2.007419415	0.212972812	0.1	0.82	0.670608792	8.046395069	22614.49212
740.4	0.336348022	2.008132229	0.213021036	0.1	0.82	0.670760638	8.048216579	22622.54034
740.6	0.33646744	2.008845206	0.213069294	0.1	0.82	0.670912592	8.050039379	22630.59038
740.8	0.336586886	2.009558346	0.213117586	0.1	0.82	0.671064653	8.051863472	22638.64224
741	0.33670636	2.01027165	0.213165912	0.1	0.82	0.671216823	8.053688857	22646.69593
741.2	0.33682586	2.010985116	0.213214272	0.1	0.82	0.6713691	8.055515538	22654.75145
741.4	0.336945388	2.011698746	0.213262667	0.1	0.82	0.671521486	8.057343515	22662.80879
741.6	0.337064943	2.012412539	0.213311096	0.1	0.82	0.671673979	8.05917279	22670.86796
741.8	0.337184526	2.013126495	0.21335956	0.1	0.82	0.671826581	8.061003365	22678.92897
742	0.337304136	2.013840615	0.213408058	0.1	0.82	0.671979292	8.062835241	22686.9918
742.2	0.337423774	2.014554899	0.21345659	0.1	0.82	0.672132111	8.06466842	22695.05647
742.4	0.337543439	2.015269347	0.213505157	0.1	0.82	0.672285039	8.066502902	22703.12297
742.6	0.337663131	2.015983959	0.213553759	0.1	0.82	0.672438076	8.068338691	22711.19131
742.8	0.337782851	2.016698734	0.213602395	0.1	0.82	0.672591222	8.070175787	22719.26149
743	0.337902599	2.017413674	0.213651066	0.1	0.82	0.672744477	8.072014192	22727.3335
743.2	0.338022374	2.018128779	0.213699772	0.1	0.82	0.672897841	8.073853908	22735.40736
743.4	0.338142176	2.018844048	0.213748512	0.1	0.82	0.673051315	8.075694935	22743.48305
743.6	0.338262006	2.019559481	0.213797287	0.1	0.82	0.673204898	8.077537277	22751.56059
743.8	0.338381864	2.020275079	0.213846097	0.1	0.82	0.673358591	8.079380933	22759.63997
744	0.338501749	2.020990842	0.213894942	0.1	0.82	0.673512394	8.081225906	22767.7212
744.2	0.338621662	2.02170677	0.213943822	0.1	0.82	0.673666306	8.083072198	22775.80427
744.4	0.338741602	2.022422863	0.213992737	0.1	0.82	0.673820329	8.08491981	22783.88919

744.6	0.338861571	2.023139121	0.214041686	0.1	0.82	0.673974462	8.086768743	22791.97596
744.8	0.338981566	2.023855544	0.214090671	0.1	0.82	0.674128705	8.088618999	22800.06458
745	0.33910159	2.024572133	0.214139691	0.1	0.82	0.674283059	8.09047058	22808.15505
745.2	0.339221641	2.025288887	0.214188746	0.1	0.82	0.674437523	8.092323488	22816.24737
745.4	0.33934172	2.026005807	0.214237836	0.1	0.82	0.674592098	8.094177723	22824.34155
745.6	0.339461827	2.026722892	0.214286961	0.1	0.82	0.674746784	8.096033288	22832.43758
745.8	0.339581962	2.027440144	0.214336122	0.1	0.82	0.67490158	8.097890184	22840.53547
746	0.339702124	2.028157561	0.214385318	0.1	0.82	0.675056488	8.099748413	22848.63522
746.2	0.339822314	2.028875145	0.214434549	0.1	0.82	0.675211508	8.101607976	22856.73683
746.4	0.339942532	2.029592895	0.214483815	0.1	0.82	0.675366638	8.103468875	22864.8403
746.6	0.340062778	2.030310811	0.214533117	0.1	0.82	0.67552188	8.105331111	22872.94563
746.8	0.340183052	2.031028894	0.214582455	0.1	0.82	0.675677234	8.107194687	22881.05282
747	0.340303354	2.031747143	0.214631828	0.1	0.82	0.6758327	8.109059604	22889.16188
747.2	0.340423683	2.032465559	0.214681236	0.1	0.82	0.675988277	8.110925863	22897.27281
747.4	0.340544041	2.033184142	0.214730681	0.1	0.82	0.676143967	8.112793466	22905.3856
747.6	0.340664426	2.033902892	0.21478016	0.1	0.82	0.676299769	8.114662415	22913.50026
747.8	0.34078484	2.034621809	0.214829676	0.1	0.82	0.676455683	8.116532711	22921.6168
748	0.340905282	2.035340893	0.214879227	0.1	0.82	0.67661171	8.118404356	22929.7352
748.2	0.341025751	2.036060144	0.214928814	0.1	0.82	0.676767849	8.120277351	22937.85548
748.4	0.341146249	2.036779563	0.214978437	0.1	0.82	0.676924101	8.122151699	22945.97763
748.6	0.341266774	2.03749915	0.215028095	0.1	0.82	0.677080466	8.124027401	22954.10166
748.8	0.341387328	2.038218904	0.21507779	0.1	0.82	0.677236944	8.125904458	22962.22756
749	0.34150791	2.038938826	0.21512752	0.1	0.82	0.677393535	8.127782873	22970.35534
749.2	0.34162852	2.039658916	0.215177286	0.1	0.82	0.677550239	8.129662646	22978.48501
749.4	0.341749158	2.040379174	0.215227089	0.1	0.82	0.677707057	8.131543779	22986.61655
749.6	0.341869824	2.0410996	0.215276927	0.1	0.82	0.677863989	8.133426275	22994.74998
749.8	0.341990519	2.041820195	0.215326802	0.1	0.82	0.678021034	8.135310134	23002.88529
750	0.342111242	2.042540958	0.215376713	0.1	0.82	0.678178193	8.137195359	23011.02248
750.2	0.342231993	2.043261889	0.21542666	0.1	0.82	0.678335466	8.139081951	23019.16156
750.4	0.342352772	2.043982989	0.215476643	0.1	0.82	0.678492853	8.140969912	23027.30253
750.6	0.342473579	2.044704258	0.215526662	0.1	0.82	0.678650354	8.142859243	23035.44539
750.8	0.342594415	2.045425696	0.215576718	0.1	0.82	0.67880797	8.144749946	23043.59014
751	0.342715279	2.046147303	0.21562681	0.1	0.82	0.6789657	8.146642023	23051.73679
751.2	0.342836172	2.046869079	0.215676939	0.1	0.82	0.679123546	8.148535476	23059.88532
751.4	0.342957092	2.047591025	0.215727104	0.1	0.82	0.679281505	8.150430305	23068.03575
751.6	0.343078042	2.04831314	0.215777306	0.1	0.82	0.67943958	8.152326514	23076.18808
751.8	0.343199019	2.049035424	0.215827544	0.1	0.82	0.67959777	8.154224103	23084.3423

752	0.343320025	2.049757878	0.215877819	0.1	0.82	0.679756075	8.156123074	23092.49842
752.2	0.34344106	2.050480502	0.21592813	0.1	0.82	0.679914496	8.158023429	23100.65645
752.4	0.343562122	2.051203296	0.215978478	0.1	0.82	0.680073032	8.159925169	23108.81637
752.6	0.343683214	2.05192626	0.216028863	0.1	0.82	0.680231684	8.161828297	23116.9782
752.8	0.343804334	2.052649394	0.216079285	0.1	0.82	0.680390452	8.163732814	23125.14193
753	0.343925482	2.053372698	0.216129743	0.1	0.82	0.680549335	8.165638722	23133.30757
753.2	0.344046659	2.054096173	0.216180238	0.1	0.82	0.680708335	8.167546021	23141.47512
753.4	0.344167864	2.054819818	0.216230771	0.1	0.82	0.680867451	8.169454715	23149.64457
753.6	0.344289099	2.055543634	0.21628134	0.1	0.82	0.681026683	8.171364805	23157.81594
753.8	0.344410361	2.056267621	0.216331946	0.1	0.82	0.681186032	8.173276293	23165.98921
754	0.344531653	2.056991778	0.216382589	0.1	0.82	0.681345498	8.175189179	23174.1644
754.2	0.344652973	2.057716107	0.21643327	0.1	0.82	0.68150508	8.177103467	23182.34151
754.4	0.344774321	2.058440607	0.216483987	0.1	0.82	0.681664779	8.179019157	23190.52053
754.6	0.344895698	2.059165278	0.216534742	0.1	0.82	0.681824596	8.180936252	23198.70146
754.8	0.345017105	2.059890121	0.216585534	0.1	0.82	0.68198453	8.182854753	23206.88432
755	0.345138539	2.060615135	0.216636363	0.1	0.82	0.682144581	8.184774661	23215.06909
755.2	0.345260003	2.061340321	0.21668723	0.1	0.82	0.682304749	8.18669598	23223.25579
755.4	0.345381495	2.062065679	0.216738134	0.1	0.82	0.682465036	8.188618709	23231.44441
755.6	0.345503016	2.062791208	0.216789075	0.1	0.82	0.68262544	8.190542852	23239.63495
755.8	0.345624566	2.06351691	0.216840054	0.1	0.82	0.682785962	8.19246841	23247.82742
756	0.345746145	2.064242784	0.21689107	0.1	0.82	0.682946602	8.194395384	23256.02181
756.2	0.345867753	2.06496883	0.216942124	0.1	0.82	0.683107361	8.196323777	23264.21814
756.4	0.345989389	2.065695049	0.216993216	0.1	0.82	0.683268238	8.198253589	23272.41639
756.6	0.346111055	2.06642144	0.217044345	0.1	0.82	0.683429233	8.200184824	23280.61658
756.8	0.346232749	2.067148004	0.217095512	0.1	0.82	0.683590347	8.202117482	23288.81869
757	0.346354472	2.067874741	0.217146716	0.1	0.82	0.68375158	8.204051566	23297.02274
757.2	0.346476225	2.068601651	0.217197959	0.1	0.82	0.683912932	8.205987077	23305.22873
757.4	0.346598006	2.069328734	0.217249239	0.1	0.82	0.684074404	8.207924017	23313.43666
757.6	0.346719816	2.07005599	0.217300557	0.1	0.82	0.684235994	8.209862387	23321.64652
757.8	0.346841655	2.070783419	0.217351913	0.1	0.82	0.684397704	8.21180219	23329.85832
758	0.346963524	2.071511022	0.217403307	0.1	0.82	0.684559534	8.213743427	23338.07206
758.2	0.347085421	2.072238799	0.217454739	0.1	0.82	0.684721483	8.2156861	23346.28775
758.4	0.347207348	2.072966749	0.217506209	0.1	0.82	0.684883552	8.217630211	23354.50538
758.6	0.347329303	2.073694873	0.217557718	0.1	0.82	0.685045741	8.219575762	23362.72496
758.8	0.347451288	2.074423171	0.217609264	0.1	0.82	0.685208051	8.221522754	23370.94648
759	0.347573302	2.075151644	0.217660849	0.1	0.82	0.685370481	8.223471189	23379.16995
759.2	0.347695345	2.07588029	0.217712472	0.1	0.82	0.685533031	8.22542107	23387.39537

759.4	0.347817418	2.076609111	0.217764133	0.1	0.82	0.685695702	8.227372397	23395.62274
759.6	0.347939519	2.077338107	0.217815833	0.1	0.82	0.685858494	8.229325173	23403.85207
759.8	0.34806165	2.078067277	0.217867571	0.1	0.82	0.686021406	8.231279399	23412.08335
760	0.34818381	2.078796622	0.217919347	0.1	0.82	0.68618444	8.233235077	23420.31658
760.2	0.348306	2.079526142	0.217971162	0.1	0.82	0.686347595	8.235192209	23428.55178
760.4	0.348428219	2.080255836	0.218023016	0.1	0.82	0.686510871	8.237150798	23436.78893
760.6	0.348550467	2.080985706	0.218074908	0.1	0.82	0.686674269	8.239110844	23445.02804
760.8	0.348672744	2.081715752	0.218126838	0.1	0.82	0.686837789	8.241072349	23453.26911
761	0.348795051	2.082445973	0.218178808	0.1	0.82	0.68700143	8.243035316	23461.51214
761.2	0.348917387	2.083176369	0.218230816	0.1	0.82	0.687165194	8.244999746	23469.75714
761.4	0.349039753	2.083906941	0.218282863	0.1	0.82	0.68732908	8.246965641	23478.00411
761.6	0.349162148	2.084637689	0.218334949	0.1	0.82	0.687493088	8.248933003	23486.25304
761.8	0.349284573	2.085368613	0.218387074	0.1	0.82	0.687657218	8.250901833	23494.50394
762	0.349407027	2.086099713	0.218439238	0.1	0.82	0.687821471	8.252872134	23502.75682
762.2	0.34952951	2.086830989	0.21849144	0.1	0.82	0.687985847	8.254843908	23511.01166
762.4	0.349652024	2.087562442	0.218543682	0.1	0.82	0.688150346	8.256817155	23519.26848
762.6	0.349774566	2.088294071	0.218595963	0.1	0.82	0.688314967	8.258791879	23527.52727
762.8	0.349897139	2.089025876	0.218648283	0.1	0.82	0.688479713	8.26076808	23535.78804
763	0.350019741	2.089757859	0.218700642	0.1	0.82	0.688644581	8.262745762	23544.05078
763.2	0.350142372	2.090490018	0.21875304	0.1	0.82	0.688809573	8.264724925	23552.31551
763.4	0.350265033	2.091222355	0.218805478	0.1	0.82	0.688974689	8.266705571	23560.58221
763.6	0.350387724	2.091954868	0.218857955	0.1	0.82	0.689139928	8.268687703	23568.8509
763.8	0.350510445	2.092687559	0.218910471	0.1	0.82	0.689305292	8.270671322	23577.12157
764	0.350633195	2.093420428	0.218963027	0.1	0.82	0.68947078	8.272656431	23585.39423
764.2	0.350755975	2.094153474	0.219015622	0.1	0.82	0.689636392	8.27464303	23593.66887
764.4	0.350878785	2.094886697	0.219068257	0.1	0.82	0.689802128	8.276631122	23601.9455
764.6	0.351001624	2.095620099	0.219120932	0.1	0.82	0.68996799	8.278620709	23610.22412
764.8	0.351124494	2.096353678	0.219173646	0.1	0.82	0.690133976	8.280611793	23618.50474
765	0.351247393	2.097087436	0.219226399	0.1	0.82	0.690300087	8.282604375	23626.78734
765.2	0.351370322	2.097821371	0.219279193	0.1	0.82	0.690466323	8.284598458	23635.07194
765.4	0.351493281	2.098555486	0.219332026	0.1	0.82	0.690632684	8.286594043	23643.35853
765.6	0.35161627	2.099289778	0.219384899	0.1	0.82	0.690799171	8.288591132	23651.64712
765.8	0.351739289	2.10002425	0.219437812	0.1	0.82	0.690965783	8.290589727	23659.93771
766	0.351862337	2.1007589	0.219490765	0.1	0.82	0.691132522	8.292589831	23668.2303
766.2	0.351985416	2.101493729	0.219543758	0.1	0.82	0.691299386	8.294591444	23676.5249
766.4	0.352108525	2.102228737	0.219596791	0.1	0.82	0.691466376	8.29659457	23684.82149
766.6	0.352231664	2.102963924	0.219649864	0.1	0.82	0.691633492	8.298599209	23693.12009

766.8	0.352354832	2.103699291	0.219702977	0.1	0.82	0.691800735	8.300605364	23701.42069
767	0.352478031	2.104434837	0.219756131	0.1	0.82	0.691968104	8.302613036	23709.72331
767.2	0.35260126	2.105170563	0.219809324	0.1	0.82	0.6921356	8.304622229	23718.02793
767.4	0.352724519	2.105906468	0.219862558	0.1	0.82	0.692303223	8.306632942	23726.33456
767.6	0.352847808	2.106642554	0.219915832	0.1	0.82	0.692470973	8.30864518	23734.64321
767.8	0.352971127	2.107378819	0.219969147	0.1	0.82	0.69263885	8.310658942	23742.95387
768	0.353094477	2.108115265	0.220022502	0.1	0.82	0.692806855	8.312674232	23751.26654
768.2	0.353217856	2.10885189	0.220075898	0.1	0.82	0.692974987	8.314691052	23759.58123
768.4	0.353341266	2.109588697	0.220129334	0.1	0.82	0.693143247	8.316709402	23767.89794
768.6	0.353464706	2.110325684	0.220182811	0.1	0.82	0.693311634	8.318729286	23776.21667
768.8	0.353588177	2.111062851	0.220236328	0.1	0.82	0.69348015	8.320750705	23784.53742
769	0.353711678	2.1118002	0.220289886	0.1	0.82	0.693648794	8.322773661	23792.8602
769.2	0.353835209	2.112537729	0.220343485	0.1	0.82	0.693817566	8.324798157	23801.18499
769.4	0.35395877	2.11327544	0.220397125	0.1	0.82	0.693986466	8.326824193	23809.51182
769.6	0.354082362	2.114013331	0.220450805	0.1	0.82	0.694155496	8.328851772	23817.84067
769.8	0.354205984	2.114751405	0.220504527	0.1	0.82	0.694324654	8.330880897	23826.17155
770	0.354329636	2.115489659	0.220558289	0.1	0.82	0.694493941	8.332911568	23834.50446
770.2	0.354453319	2.116228096	0.220612093	0.1	0.82	0.694663357	8.334943788	23842.83941
770.4	0.354577032	2.116966714	0.220665937	0.1	0.82	0.694832903	8.33697756	23851.17638
770.6	0.354700776	2.117705514	0.220719823	0.1	0.82	0.695002578	8.339012884	23859.5154
770.8	0.354824551	2.118444497	0.22077375	0.1	0.82	0.695172383	8.341049763	23867.85645
771	0.354948355	2.119183661	0.220827718	0.1	0.82	0.695342317	8.343088199	23876.19953
771.2	0.355072191	2.119923008	0.220881727	0.1	0.82	0.695512382	8.345128194	23884.54466
771.4	0.355196057	2.120662538	0.220935778	0.1	0.82	0.695682577	8.34716975	23892.89183
771.6	0.355319953	2.12140225	0.22098987	0.1	0.82	0.695852902	8.349212869	23901.24104
771.8	0.355443881	2.122142145	0.221044003	0.1	0.82	0.696023357	8.351257553	23909.5923
772	0.355567839	2.122882223	0.221098178	0.1	0.82	0.696193943	8.353303804	23917.94561
772.2	0.355691827	2.123622484	0.221152395	0.1	0.82	0.696364661	8.355351624	23926.30096
772.4	0.355815846	2.124362928	0.221206653	0.1	0.82	0.696535509	8.357401015	23934.65836
772.6	0.355939896	2.125103556	0.221260953	0.1	0.82	0.696706488	8.359451979	23943.01781
772.8	0.356063977	2.125844367	0.221315294	0.1	0.82	0.696877598	8.361504518	23951.37932
773	0.356188088	2.126585362	0.221369678	0.1	0.82	0.697048841	8.363558635	23959.74287
773.2	0.35631223	2.127326541	0.221424103	0.1	0.82	0.697220214	8.36561433	23968.10849
773.4	0.356436403	2.128067903	0.22147857	0.1	0.82	0.69739172	8.367671606	23976.47616
773.6	0.356560607	2.12880945	0.221533079	0.1	0.82	0.697563358	8.369730466	23984.84589
773.8	0.356684842	2.129551181	0.221587629	0.1	0.82	0.697735128	8.371790911	23993.21768
774	0.356809108	2.130293096	0.221642222	0.1	0.82	0.69790703	8.373852944	24001.59153

774.2	0.356933404	2.131035196	0.221696857	0.1	0.82	0.698079065	8.375916566	24009.96745
774.4	0.357057732	2.131777481	0.221751535	0.1	0.82	0.698251232	8.377981779	24018.34543
774.6	0.35718209	2.13251995	0.221806254	0.1	0.82	0.698423532	8.380048586	24026.72548
774.8	0.357306479	2.133262604	0.221861016	0.1	0.82	0.698595966	8.382116988	24035.1076
775	0.3574309	2.134005444	0.221915819	0.1	0.82	0.698768532	8.384186988	24043.49179
775.2	0.357555351	2.134748468	0.221970666	0.1	0.82	0.698941232	8.386258588	24051.87804
775.4	0.357679834	2.135491678	0.222025554	0.1	0.82	0.699114066	8.38833179	24060.26638
775.6	0.357804347	2.136235074	0.222080486	0.1	0.82	0.699287033	8.390406595	24068.65678
775.8	0.357928892	2.136978655	0.222135459	0.1	0.82	0.699460135	8.392483007	24077.04927
776	0.358053467	2.137722422	0.222190476	0.1	0.82	0.69963337	8.394561026	24085.44383
776.2	0.358178074	2.138466375	0.222245535	0.1	0.82	0.699806739	8.396640656	24093.84047
776.4	0.358302712	2.139210514	0.222300636	0.1	0.82	0.699980243	8.398721898	24102.23919
776.6	0.358427382	2.139954839	0.222355781	0.1	0.82	0.700153882	8.400804754	24110.63999
776.8	0.358552082	2.140699351	0.222410968	0.1	0.82	0.700327656	8.402889227	24119.04288
777	0.358676814	2.141444049	0.222466198	0.1	0.82	0.700501564	8.404975318	24127.44786
777.2	0.358801577	2.142188934	0.222521471	0.1	0.82	0.700675608	8.40706303	24135.85492
777.4	0.358926371	2.142934006	0.222576787	0.1	0.82	0.700849787	8.409152365	24144.26407
777.6	0.359051197	2.143679265	0.222632146	0.1	0.82	0.701024101	8.411243325	24152.67532
777.8	0.359176054	2.144424711	0.222687548	0.1	0.82	0.701198551	8.413335912	24161.08865
778	0.359300942	2.145170344	0.222742993	0.1	0.82	0.701373137	8.415430128	24169.50408
778.2	0.359425862	2.145916165	0.222798482	0.1	0.82	0.701547859	8.417525975	24177.92161
778.4	0.359550813	2.146662173	0.222854013	0.1	0.82	0.701722717	8.419623456	24186.34123
778.6	0.359675795	2.147408369	0.222909588	0.1	0.82	0.701897712	8.421722572	24194.76295
778.8	0.359800809	2.148154753	0.222965207	0.1	0.82	0.702072843	8.423823326	24203.18678
779	0.359925855	2.148901324	0.223020868	0.1	0.82	0.702248111	8.42592572	24211.6127
779.2	0.360050932	2.149648084	0.223076574	0.1	0.82	0.702423515	8.428029756	24220.04073
779.4	0.360176041	2.150395033	0.223132323	0.1	0.82	0.702599057	8.430135436	24228.47087
779.6	0.360301181	2.151142169	0.223188115	0.1	0.82	0.702774736	8.432242763	24236.90311
779.8	0.360426352	2.151889495	0.223243951	0.1	0.82	0.702950553	8.434351738	24245.33746
780	0.360551556	2.152637009	0.223299831	0.1	0.82	0.703126507	8.436462363	24253.77393
780.2	0.360676791	2.153384712	0.223355754	0.1	0.82	0.7033026	8.438574642	24262.2125
780.4	0.360802058	2.154132604	0.223411722	0.1	0.82	0.70347883	8.440688576	24270.65319
780.6	0.360927356	2.154880686	0.223467733	0.1	0.82	0.703655198	8.442804166	24279.09599
780.8	0.361052686	2.155628956	0.223523788	0.1	0.82	0.703831705	8.444921417	24287.54091
781	0.361178048	2.156377417	0.223579888	0.1	0.82	0.70400835	8.447040328	24295.98796
781.2	0.361303441	2.157126066	0.223636031	0.1	0.82	0.704185134	8.449160904	24304.43712
781.4	0.361428867	2.157874906	0.223692218	0.1	0.82	0.704362057	8.451283146	24312.8884

781.6	0.361554324	2.158623936	0.22374845	0.1	0.82	0.704539119	8.453407055	24321.34181
781.8	0.361679813	2.159373155	0.223804726	0.1	0.82	0.70471632	8.455532635	24329.79734
782	0.361805334	2.160122566	0.223861046	0.1	0.82	0.704893661	8.457659888	24338.255
782.2	0.361930887	2.160872166	0.22391741	0.1	0.82	0.705071142	8.459788815	24346.71479
782.4	0.362056471	2.161621957	0.223973819	0.1	0.82	0.705248762	8.46191942	24355.17671
782.6	0.362182088	2.162371939	0.224030273	0.1	0.82	0.705426522	8.464051704	24363.64076
782.8	0.362307737	2.163122111	0.22408677	0.1	0.82	0.705604423	8.466185669	24372.10694
783	0.362433417	2.163872475	0.224143313	0.1	0.82	0.705782464	8.468321318	24380.57527
783.2	0.36255913	2.16462303	0.2241999	0.1	0.82	0.705960645	8.470458652	24389.04572
783.4	0.362684875	2.165373776	0.224256532	0.1	0.82	0.706138967	8.472597675	24397.51832
783.6	0.362810651	2.166124713	0.224313208	0.1	0.82	0.706317431	8.474738389	24405.99306
783.8	0.36293646	2.166875843	0.22436993	0.1	0.82	0.706496035	8.476880795	24414.46994
784	0.363062301	2.167627164	0.224426696	0.1	0.82	0.706674781	8.479024895	24422.94897
784.2	0.363188174	2.168378677	0.224483507	0.1	0.82	0.706853668	8.481170693	24431.43014
784.4	0.36331408	2.169130382	0.224540364	0.1	0.82	0.707032697	8.483318191	24439.91345
784.6	0.363440017	2.169882279	0.224597265	0.1	0.82	0.707211868	8.48546739	24448.39892
784.8	0.363565987	2.170634369	0.224654211	0.1	0.82	0.707391181	8.487618293	24456.88654
785	0.363691989	2.171386651	0.224711203	0.1	0.82	0.707570636	8.489770902	24465.37631
785.2	0.363818023	2.172139126	0.22476824	0.1	0.82	0.707750234	8.49192522	24473.86824
785.4	0.36394409	2.172891794	0.224825322	0.1	0.82	0.707929974	8.494081248	24482.36232
785.6	0.364070189	2.173644654	0.22488245	0.1	0.82	0.708109857	8.49623899	24490.85856
785.8	0.36419632	2.174397708	0.224939623	0.1	0.82	0.708289884	8.498398447	24499.35696
786	0.364322484	2.175150956	0.224996841	0.1	0.82	0.708470053	8.500559621	24507.85751
786.2	0.36444868	2.175904397	0.225054105	0.1	0.82	0.708650366	8.502722516	24516.36024
786.4	0.364574908	2.176658031	0.225111415	0.1	0.82	0.708830823	8.504887133	24524.86512
786.6	0.364701169	2.177411859	0.22516877	0.1	0.82	0.709011423	8.507053474	24533.37218
786.8	0.364827462	2.178165881	0.225226171	0.1	0.82	0.709192167	8.509221542	24541.8814
787	0.364953788	2.178920098	0.225283618	0.1	0.82	0.709373056	8.511391339	24550.39279
787.2	0.365080147	2.179674508	0.225341111	0.1	0.82	0.709554089	8.513562868	24558.90635
787.4	0.365206538	2.180429113	0.225398649	0.1	0.82	0.709735266	8.51573613	24567.42209
787.6	0.365332961	2.181183913	0.225456234	0.1	0.82	0.709916589	8.517911129	24575.94
787.8	0.365459418	2.181938907	0.225513864	0.1	0.82	0.710098056	8.520087866	24584.46009
788	0.365585907	2.182694096	0.225571541	0.1	0.82	0.710279668	8.522266344	24592.98236
788.2	0.365712428	2.18344948	0.225629264	0.1	0.82	0.710461426	8.524446565	24601.5068
788.4	0.365838982	2.18420506	0.225687033	0.1	0.82	0.710643329	8.526628531	24610.03343
788.6	0.365965569	2.184960835	0.225744848	0.1	0.82	0.710825378	8.528812246	24618.56224
788.8	0.366092189	2.185716805	0.22580271	0.1	0.82	0.711007573	8.53099771	24627.09324

789	0.366218841	2.186472971	0.225860618	0.1	0.82	0.711189915	8.533184927	24635.62643
789.2	0.366345527	2.187229333	0.225918573	0.1	0.82	0.711372402	8.535373899	24644.1618
789.4	0.366472245	2.187985891	0.225976574	0.1	0.82	0.711555036	8.537564628	24652.69936
789.6	0.366598996	2.188742645	0.226034622	0.1	0.82	0.711737817	8.539757117	24661.23912
789.8	0.36672578	2.189499595	0.226092716	0.1	0.82	0.711920745	8.541951368	24669.78107
790	0.366852596	2.190256742	0.226150857	0.1	0.82	0.712103819	8.544147383	24678.32522
790.2	0.366979446	2.191014085	0.226209045	0.1	0.82	0.712287042	8.546345165	24686.87156
790.4	0.367106329	2.191771625	0.22626728	0.1	0.82	0.712470411	8.548544717	24695.42011
790.6	0.367233244	2.192529362	0.226325562	0.1	0.82	0.712653929	8.55074604	24703.97086
790.8	0.367360193	2.193287297	0.22638389	0.1	0.82	0.712837594	8.552949136	24712.5238
791	0.367487175	2.194045428	0.226442266	0.1	0.82	0.713021408	8.555154009	24721.07896
791.2	0.36761419	2.194803757	0.226500689	0.1	0.82	0.713205369	8.557360661	24729.63632
791.4	0.367741237	2.195562284	0.226559159	0.1	0.82	0.71338948	8.559569095	24738.19589
791.6	0.367868318	2.196321008	0.226617676	0.1	0.82	0.713573739	8.561779311	24746.75767
791.8	0.367995432	2.19707993	0.226676241	0.1	0.82	0.713758147	8.563991314	24755.32166
792	0.36812258	2.19783905	0.226734853	0.1	0.82	0.713942704	8.566205105	24763.88786
792.2	0.36824976	2.198598369	0.226793512	0.1	0.82	0.714127411	8.568420687	24772.45628
792.4	0.368376974	2.199357886	0.226852219	0.1	0.82	0.714312267	8.570638063	24781.02692
792.6	0.368504221	2.200117601	0.226910973	0.1	0.82	0.714497272	8.572857234	24789.59978
792.8	0.368631501	2.200877516	0.226969775	0.1	0.82	0.714682428	8.575078204	24798.17486
793	0.368758815	2.201637629	0.227028625	0.1	0.82	0.714867734	8.577300974	24806.75216
793.2	0.368886162	2.202397941	0.227087522	0.1	0.82	0.71505319	8.579525547	24815.33168
793.4	0.369013542	2.203158452	0.227146468	0.1	0.82	0.715238797	8.581751926	24823.91344
793.6	0.369140956	2.203919163	0.227205461	0.1	0.82	0.715424555	8.583980112	24832.49742
793.8	0.369268403	2.204680073	0.227264502	0.1	0.82	0.715610463	8.58621011	24841.08363
794	0.369395884	2.205441183	0.227323591	0.1	0.82	0.715796523	8.58844192	24849.67207
794.2	0.369523398	2.206202493	0.227382728	0.1	0.82	0.715982734	8.590675546	24858.26274
794.4	0.369650945	2.206964003	0.227441913	0.1	0.82	0.716169097	8.59291099	24866.85566
794.6	0.369778526	2.207725713	0.227501147	0.1	0.82	0.716355612	8.595148254	24875.4508
794.8	0.369906141	2.208487624	0.227560429	0.1	0.82	0.716542278	8.597387341	24884.04819
795	0.370033789	2.209249735	0.227619759	0.1	0.82	0.716729097	8.599628253	24892.64782
795.2	0.370161471	2.210012047	0.227679138	0.1	0.82	0.716916068	8.601870994	24901.24969
795.4	0.370289187	2.210774559	0.227738565	0.1	0.82	0.717103192	8.604115565	24909.85381
795.6	0.370416936	2.211537273	0.22779804	0.1	0.82	0.717290469	8.606361968	24918.46017
795.8	0.370544719	2.212300188	0.227857564	0.1	0.82	0.717477899	8.608610208	24927.06878
796	0.370672535	2.213063304	0.227917137	0.1	0.82	0.717665482	8.610860285	24935.67964
796.2	0.370800385	2.213826621	0.227976759	0.1	0.82	0.717853218	8.613112202	24944.29275

796.4	0.37092827	2.214590141	0.228036429	0.1	0.82	0.718041109	8.615365963	24952.90812
796.6	0.371056188	2.215353862	0.228096149	0.1	0.82	0.718229153	8.61762157	24961.52574
796.8	0.371184139	2.216117785	0.228155917	0.1	0.82	0.718417351	8.619879024	24970.14562
797	0.371312125	2.216881911	0.228215734	0.1	0.82	0.718605704	8.622138329	24978.76776
797.2	0.371440144	2.217646238	0.2282756	0.1	0.82	0.718794211	8.624399487	24987.39215
797.4	0.371568198	2.218410769	0.228335516	0.1	0.82	0.718982873	8.626662501	24996.01882
797.6	0.371696285	2.219175502	0.228395481	0.1	0.82	0.71917169	8.628927374	25004.64774
797.8	0.371824407	2.219940438	0.228455495	0.1	0.82	0.719360662	8.631194107	25013.27894
798	0.371952562	2.220705576	0.228515558	0.1	0.82	0.719549789	8.633462704	25021.9124
798.2	0.372080751	2.221470919	0.228575671	0.1	0.82	0.719739072	8.635733166	25030.54813
798.4	0.372208975	2.222236464	0.228635833	0.1	0.82	0.719928511	8.638005498	25039.18614
798.6	0.372337233	2.223002213	0.228696045	0.1	0.82	0.720118106	8.6402797	25047.82642
798.8	0.372465524	2.223768166	0.228756306	0.1	0.82	0.720307857	8.642555777	25056.46898
799	0.37259385	2.224534322	0.228816617	0.1	0.82	0.720497765	8.64483373	25065.11381
799.2	0.37272221	2.225300683	0.228876978	0.1	0.82	0.720687829	8.647113561	25073.76092
799.4	0.372850604	2.226067248	0.228937389	0.1	0.82	0.72087805	8.649395275	25082.41032
799.6	0.372979033	2.226834017	0.22899785	0.1	0.82	0.721068429	8.651678872	25091.062
799.8	0.373107495	2.227600991	0.22905836	0.1	0.82	0.721258964	8.653964357	25099.71596
800	0.373235992	2.228368169	0.229118921	0.1	0.82	0.721449658	8.65625173	25108.37221
800.2	0.373364524	2.229135553	0.229179531	0.1	0.82	0.721640509	8.658540996	25117.03075
800.4	0.373493089	2.229903141	0.229240192	0.1	0.82	0.721831518	8.660832157	25125.69159
800.6	0.37362169	2.230670935	0.229300903	0.1	0.82	0.722022685	8.663125215	25134.35471
800.8	0.373750324	2.231438934	0.229361665	0.1	0.82	0.722214011	8.665420173	25143.02013
801	0.373878993	2.232207139	0.229422477	0.1	0.82	0.722405495	8.667717033	25151.68785
801.2	0.374007696	2.23297555	0.229483339	0.1	0.82	0.722597138	8.670015799	25160.35786
801.4	0.374136434	2.233744166	0.229544252	0.1	0.82	0.722788941	8.672316473	25169.03018
801.6	0.374265206	2.234512988	0.229605215	0.1	0.82	0.722980902	8.674619057	25177.7048
801.8	0.374394013	2.235282017	0.22966623	0.1	0.82	0.723173024	8.676923555	25186.38172
802	0.374522855	2.236051253	0.229727294	0.1	0.82	0.723365305	8.679229968	25195.06095
802.2	0.374651731	2.236820694	0.22978841	0.1	0.82	0.723557746	8.681538301	25203.74249
802.4	0.374780642	2.237590343	0.229849577	0.1	0.82	0.723750347	8.683848554	25212.42634
802.6	0.374909587	2.238360199	0.229910794	0.1	0.82	0.723943108	8.686160731	25221.1125
802.8	0.375038567	2.239130261	0.229972063	0.1	0.82	0.724136031	8.688474836	25229.80098
803	0.375167582	2.239900532	0.230033382	0.1	0.82	0.724329114	8.690790869	25238.49177
803.2	0.375296632	2.240671009	0.230094753	0.1	0.82	0.724522358	8.693108835	25247.18488
803.4	0.375425716	2.241441694	0.230156175	0.1	0.82	0.724715764	8.695428735	25255.8803
803.6	0.375554835	2.242212588	0.230217648	0.1	0.82	0.724909331	8.697750573	25264.57806

803.8	0.375683989	2.242983689	0.230279173	0.1	0.82	0.72510306	8.700074351	25273.27813
804	0.375813178	2.243754998	0.230340749	0.1	0.82	0.725296952	8.702400072	25281.98053
804.2	0.375942402	2.244526516	0.230402377	0.1	0.82	0.725491005	8.704727739	25290.68526
804.4	0.376071661	2.245298242	0.230464056	0.1	0.82	0.725685221	8.707057354	25299.39231
804.6	0.376200954	2.246070177	0.230525787	0.1	0.82	0.725879599	8.709388921	25308.1017
804.8	0.376330283	2.246842321	0.23058757	0.1	0.82	0.726074141	8.711722441	25316.81343
805	0.376459647	2.247614674	0.230649405	0.1	0.82	0.726268845	8.714057918	25325.52748
805.2	0.376589045	2.248387236	0.230711291	0.1	0.82	0.726463714	8.716395354	25334.24388
805.4	0.376718479	2.249160008	0.23077323	0.1	0.82	0.726658745	8.718734753	25342.96261
805.6	0.376847948	2.249932989	0.23083522	0.1	0.82	0.726853941	8.721076116	25351.68369
805.8	0.376977452	2.25070618	0.230897263	0.1	0.82	0.7270493	8.723419447	25360.40711
806	0.377106991	2.251479581	0.230959357	0.1	0.82	0.727244824	8.725764749	25369.13287
806.2	0.377236566	2.252253192	0.231021504	0.1	0.82	0.727440513	8.728112024	25377.86099
806.4	0.377366175	2.253027013	0.231083704	0.1	0.82	0.727636366	8.730461275	25386.59145
806.6	0.37749582	2.253801045	0.231145955	0.1	0.82	0.727832385	8.732812506	25395.32426
806.8	0.3776255	2.254575288	0.23120826	0.1	0.82	0.728028568	8.735165717	25404.05943
807	0.377755216	2.255349741	0.231270617	0.1	0.82	0.728224917	8.737520914	25412.79695
807.2	0.377884967	2.256124406	0.231333026	0.1	0.82	0.728421432	8.739878097	25421.53682
807.4	0.378014753	2.256899282	0.231395488	0.1	0.82	0.728618113	8.742237271	25430.27906
807.6	0.378144575	2.257674369	0.231458003	0.1	0.82	0.72881496	8.744598437	25439.02366
807.8	0.378274432	2.258449668	0.231520571	0.1	0.82	0.729011973	8.7469616	25447.77062
808	0.378404324	2.259225178	0.231583192	0.1	0.82	0.729209153	8.749326761	25456.51995
808.2	0.378534252	2.2600009	0.231645865	0.1	0.82	0.7294065	8.751693923	25465.27164
808.4	0.378664216	2.260776835	0.231708592	0.1	0.82	0.729604015	8.75406309	25474.02571
808.6	0.378794215	2.261552982	0.231771372	0.1	0.82	0.729801696	8.756434264	25482.78214
808.8	0.37892425	2.262329341	0.231834205	0.1	0.82	0.729999545	8.758807448	25491.54095
809	0.37905432	2.263105913	0.231897092	0.1	0.82	0.730197562	8.761182645	25500.30213
809.2	0.379184426	2.263882698	0.231960032	0.1	0.82	0.730395747	8.763559858	25509.06569
809.4	0.379314568	2.264659696	0.232023025	0.1	0.82	0.730594101	8.765939089	25517.83163
809.6	0.379444745	2.265436907	0.232086072	0.1	0.82	0.730792623	8.768320342	25526.59995
809.8	0.379574958	2.266214332	0.232149172	0.1	0.82	0.730991314	8.770703619	25535.37065
810	0.379705207	2.26699197	0.232212326	0.1	0.82	0.731190174	8.773088924	25544.14374
810.2	0.379835492	2.267769822	0.232275534	0.1	0.82	0.731389203	8.775476259	25552.91922
810.4	0.379965813	2.268547887	0.232338796	0.1	0.82	0.731588402	8.777865627	25561.69708
810.6	0.380096169	2.269326167	0.232402112	0.1	0.82	0.73178777	8.780257031	25570.47734
810.8	0.380226561	2.270104662	0.232465482	0.1	0.82	0.731987309	8.782650473	25579.25999
811	0.38035699	2.27088337	0.232528905	0.1	0.82	0.732187018	8.785045958	25588.04504

811.2	0.380487454	2.271662294	0.232592383	0.1	0.82	0.732386897	8.787443487	25596.83248
811.4	0.380617954	2.272441432	0.232655916	0.1	0.82	0.732586947	8.789843065	25605.62232
811.6	0.38074849	2.273220785	0.232719502	0.1	0.82	0.732787168	8.792244693	25614.41457
811.8	0.380879062	2.274000354	0.232783143	0.1	0.82	0.732987561	8.794648374	25623.20922
812	0.381009671	2.274780138	0.232846838	0.1	0.82	0.733188125	8.797054112	25632.00627
812.2	0.381140315	2.275560138	0.232910588	0.1	0.82	0.73338886	8.79946191	25640.80573
812.4	0.381270996	2.276340353	0.232974393	0.1	0.82	0.733589768	8.80187177	25649.6076
812.6	0.381401713	2.277120785	0.233038252	0.1	0.82	0.733790848	8.804283695	25658.41189
812.8	0.381532466	2.277901432	0.233102166	0.1	0.82	0.7339921	8.806697689	25667.21859
813	0.381663255	2.278682296	0.233166135	0.1	0.82	0.734193525	8.809113754	25676.0277
813.2	0.38179408	2.279463377	0.233230159	0.1	0.82	0.734395124	8.811531894	25684.83923
813.4	0.381924942	2.280244674	0.233294237	0.1	0.82	0.734596895	8.813952111	25693.65318
813.6	0.38205584	2.281026189	0.233358371	0.1	0.82	0.73479884	8.816374408	25702.46956
813.8	0.382186775	2.28180792	0.23342256	0.1	0.82	0.735000958	8.818798789	25711.28836
814	0.382317746	2.282589869	0.233486805	0.1	0.82	0.735203251	8.821225257	25720.10958
814.2	0.382448753	2.283372035	0.233551105	0.1	0.82	0.735405718	8.823653813	25728.93324
814.4	0.382579797	2.284154419	0.23361546	0.1	0.82	0.735608359	8.826084463	25737.75932
814.6	0.382710877	2.28493702	0.23367987	0.1	0.82	0.735811175	8.828517207	25746.58784
814.8	0.382841994	2.28571984	0.233744336	0.1	0.82	0.736014166	8.83095205	25755.41879
815	0.382973147	2.286502878	0.233808858	0.1	0.82	0.736217333	8.833388995	25764.25218
815.2	0.383104337	2.287286135	0.233873436	0.1	0.82	0.736420675	8.835828045	25773.08801
815.4	0.383235564	2.28806961	0.233938069	0.1	0.82	0.736624192	8.838269202	25781.92628
815.6	0.383366827	2.288853304	0.234002758	0.1	0.82	0.736827886	8.84071247	25790.76699
815.8	0.383498127	2.289637217	0.234067504	0.1	0.82	0.737031756	8.843157851	25799.61015
816	0.383629463	2.290421349	0.234132305	0.1	0.82	0.737235802	8.84560535	25808.45575
816.2	0.383760837	2.2912057	0.234197163	0.1	0.82	0.737440026	8.848054968	25817.30381
816.4	0.383892247	2.291990272	0.234262076	0.1	0.82	0.737644426	8.85050671	25826.15431
816.6	0.384023694	2.292775062	0.234327046	0.1	0.82	0.737849004	8.852960577	25835.00727
816.8	0.384155178	2.293560073	0.234392073	0.1	0.82	0.738053759	8.855416574	25843.86269
817	0.384286698	2.294345305	0.234457156	0.1	0.82	0.738258692	8.857874704	25852.72057
817.2	0.384418256	2.295130756	0.234522295	0.1	0.82	0.738463803	8.860334968	25861.5809
817.4	0.384549851	2.295916428	0.234587491	0.1	0.82	0.738669092	8.862797372	25870.4437
817.6	0.384681482	2.296702321	0.234652744	0.1	0.82	0.73887456	8.865261917	25879.30896
817.8	0.384813151	2.297488434	0.234718054	0.1	0.82	0.739080207	8.867728606	25888.17669
818	0.384944856	2.298274769	0.23478342	0.1	0.82	0.739286033	8.870197444	25897.04689
818.2	0.385076599	2.299061326	0.234848844	0.1	0.82	0.739492039	8.872668433	25905.91955
818.4	0.385208379	2.299848103	0.234914324	0.1	0.82	0.739698224	8.875141576	25914.7947

818.6	0.385340195	2.300635103	0.234979862	0.1	0.82	0.739904589	8.877616877	25923.67231
818.8	0.385472049	2.301422324	0.235045457	0.1	0.82	0.740111134	8.880094338	25932.55241
819	0.385603941	2.302209768	0.235111109	0.1	0.82	0.74031786	8.882573963	25941.43498
819.2	0.385735869	2.302997433	0.235176819	0.1	0.82	0.740524766	8.885055755	25950.32004
819.4	0.385867835	2.303785322	0.235242586	0.1	0.82	0.740731853	8.887539717	25959.20758
819.6	0.385999838	2.304573433	0.23530841	0.1	0.82	0.740939122	8.890025853	25968.0976
819.8	0.386131878	2.305361767	0.235374292	0.1	0.82	0.741146572	8.892514165	25976.99012
820	0.386263956	2.306150324	0.235440232	0.1	0.82	0.741354204	8.895004656	25985.88512
820.2	0.386396071	2.306939104	0.23550623	0.1	0.82	0.741562018	8.897497331	25994.78262
820.4	0.386528224	2.307728108	0.235572286	0.1	0.82	0.741770014	8.899992192	26003.68261
820.6	0.386660414	2.308517335	0.2356384	0.1	0.82	0.741978193	8.902489242	26012.5851
820.8	0.386792641	2.309306787	0.235704571	0.1	0.82	0.742186555	8.904988485	26021.49009
821	0.386924907	2.310096462	0.235770801	0.1	0.82	0.742395099	8.907489923	26030.39758
821.2	0.387057209	2.310886362	0.23583709	0.1	0.82	0.742603827	8.909993561	26039.30757
821.4	0.387189549	2.311676486	0.235903436	0.1	0.82	0.742812739	8.912499401	26048.22007
821.6	0.387321927	2.312466835	0.235969841	0.1	0.82	0.743021835	8.915007446	26057.13508
821.8	0.387454343	2.313257409	0.236036304	0.1	0.82	0.743231115	8.917517701	26066.0526
822	0.387586796	2.314048208	0.236102826	0.1	0.82	0.743440579	8.920030167	26074.97263
822.2	0.387719287	2.314839232	0.236169407	0.1	0.82	0.743650229	8.922544849	26083.89517
822.4	0.387851816	2.315630482	0.236236046	0.1	0.82	0.743860063	8.92506175	26092.82023
822.6	0.387984382	2.316421957	0.236302745	0.1	0.82	0.744070082	8.927580872	26101.74781
822.8	0.388116987	2.317213659	0.236369502	0.1	0.82	0.744280288	8.93010222	26110.67792
823	0.388249629	2.318005586	0.236436318	0.1	0.82	0.744490679	8.932625796	26119.61054
823.2	0.388382309	2.31879774	0.236503193	0.1	0.82	0.744701256	8.935151605	26128.54569
823.4	0.388515027	2.31959012	0.236570128	0.1	0.82	0.744912019	8.937679648	26137.48337
823.6	0.388647784	2.320382727	0.236637122	0.1	0.82	0.745122969	8.94020993	26146.42358
823.8	0.388780578	2.32117556	0.236704175	0.1	0.82	0.745334106	8.942742454	26155.36633
824	0.38891341	2.321968621	0.236771288	0.1	0.82	0.745545431	8.945277223	26164.3116
824.2	0.38904628	2.32276191	0.23683846	0.1	0.82	0.745756943	8.947814241	26173.25942
824.4	0.389179188	2.323555425	0.236905692	0.1	0.82	0.745968642	8.950353511	26182.20977
824.6	0.389312135	2.324349169	0.236972983	0.1	0.82	0.74618053	8.952895036	26191.16267
824.8	0.389445119	2.32514314	0.237040335	0.1	0.82	0.746392606	8.955438819	26200.1181
825	0.389578142	2.32593734	0.237107746	0.1	0.82	0.746604871	8.957984865	26209.07609
825.2	0.389711203	2.326731768	0.237175217	0.1	0.82	0.746817325	8.960533176	26218.03662
825.4	0.389844303	2.327526424	0.237242749	0.1	0.82	0.747029968	8.963083755	26226.99971
825.6	0.38997744	2.328321309	0.23731034	0.1	0.82	0.7472428	8.965636607	26235.96534
825.8	0.390110616	2.329116423	0.237377992	0.1	0.82	0.747455822	8.968191735	26244.93353

826	0.390243831	2.329911766	0.237445705	0.1	0.82	0.747669035	8.970749141	26253.90428
826.2	0.390377083	2.330707339	0.237513477	0.1	0.82	0.747882437	8.97330883	26262.87759
826.4	0.390510375	2.331503141	0.23758131	0.1	0.82	0.74809603	8.975870805	26271.85346
826.6	0.390643704	2.332299173	0.237649204	0.1	0.82	0.748309814	8.978435069	26280.8319
826.8	0.390777073	2.333095435	0.237717159	0.1	0.82	0.74852379	8.981001626	26289.8129
827	0.39091048	2.333891927	0.237785174	0.1	0.82	0.748737957	8.983570478	26298.79647
827.2	0.391043925	2.33468865	0.237853251	0.1	0.82	0.748952315	8.986141631	26307.78261
827.4	0.391177409	2.335485603	0.237921388	0.1	0.82	0.749166866	8.988715086	26316.77133
827.6	0.391310932	2.336282787	0.237989586	0.1	0.82	0.749381609	8.991290849	26325.76262
827.8	0.391444493	2.337080202	0.238057846	0.1	0.82	0.749596545	8.993868921	26334.75649
828	0.391578093	2.337877848	0.238126167	0.1	0.82	0.749811673	8.996449306	26343.75294
828.2	0.391711732	2.338675726	0.238194549	0.1	0.82	0.750026995	8.999032009	26352.75197
828.4	0.39184541	2.339473835	0.238262992	0.1	0.82	0.75024251	9.001617032	26361.75359
828.6	0.391979126	2.340272176	0.238331498	0.1	0.82	0.750458219	9.004204379	26370.75779
828.8	0.392112882	2.34107075	0.238400064	0.1	0.82	0.750674123	9.006794054	26379.76458
829	0.392246676	2.341869555	0.238468693	0.1	0.82	0.75089022	9.009386059	26388.77397
829.2	0.392380509	2.342668593	0.238537383	0.1	0.82	0.751106513	9.011980399	26397.78595
829.4	0.392514382	2.343467864	0.238606136	0.1	0.82	0.751323	9.014577077	26406.80053
829.6	0.392648293	2.344267368	0.23867495	0.1	0.82	0.751539683	9.017176097	26415.8177
829.8	0.392782243	2.345067105	0.238743827	0.1	0.82	0.751756561	9.019777462	26424.83748
830	0.392916233	2.345867075	0.238812765	0.1	0.82	0.751973635	9.022381176	26433.85986
830.2	0.393050261	2.346667279	0.238881766	0.1	0.82	0.752190905	9.024987242	26442.88485
830.4	0.393184329	2.347467717	0.23895083	0.1	0.82	0.752408372	9.027595664	26451.91245
830.6	0.393318436	2.348268388	0.239019955	0.1	0.82	0.752626036	9.030206446	26460.94265
830.8	0.393452582	2.349069294	0.239089144	0.1	0.82	0.752843896	9.03281959	26469.97547
831	0.393586767	2.349870434	0.239158395	0.1	0.82	0.753061954	9.035435101	26479.01091
831.2	0.393720992	2.350671809	0.239227709	0.1	0.82	0.75328021	9.038052983	26488.04896
831.4	0.393855256	2.351473419	0.239297086	0.1	0.82	0.753498663	9.040673238	26497.08963
831.6	0.393989559	2.352275263	0.239366525	0.1	0.82	0.753717315	9.043295871	26506.13293
831.8	0.394123902	2.353077343	0.239436028	0.1	0.82	0.753936166	9.045920884	26515.17885
832	0.394258284	2.353879659	0.239505594	0.1	0.82	0.754155215	9.048548283	26524.2274
832.2	0.394392706	2.35468221	0.239575223	0.1	0.82	0.754374463	9.05117807	26533.27858
832.4	0.394527167	2.355484997	0.239644916	0.1	0.82	0.754593911	9.053810249	26542.33239
832.6	0.394661668	2.356288021	0.239714672	0.1	0.82	0.754813559	9.056444824	26551.38883
832.8	0.394796208	2.357091281	0.239784492	0.1	0.82	0.755033407	9.059081798	26560.44791
833	0.394930788	2.357894777	0.239854375	0.1	0.82	0.755253455	9.061721175	26569.50963
833.2	0.395065408	2.35869851	0.239924322	0.1	0.82	0.755473704	9.064362958	26578.574

833.4	0.395200067	2.35950248	0.239994333	0.1	0.82	0.755694154	9.067007153	26587.641
833.6	0.395334766	2.360306687	0.240064407	0.1	0.82	0.755914806	9.069653761	26596.71066
833.8	0.395469505	2.361111132	0.240134546	0.1	0.82	0.756135659	9.072302787	26605.78296
834	0.395604284	2.361915815	0.240204749	0.1	0.82	0.756356714	9.074954235	26614.85791
834.2	0.395739102	2.362720735	0.240275016	0.1	0.82	0.756577971	9.077608107	26623.93552
834.4	0.39587396	2.363525894	0.240345348	0.1	0.82	0.756799431	9.080264409	26633.01579
834.6	0.396008859	2.36433129	0.240415744	0.1	0.82	0.757021093	9.082923144	26642.09871
834.8	0.396143797	2.365136926	0.240486204	0.1	0.82	0.757242959	9.085584315	26651.18429
835	0.396278775	2.3659428	0.240556729	0.1	0.82	0.757465029	9.088247926	26660.27254
835.2	0.396413794	2.366748913	0.240627319	0.1	0.82	0.757687302	9.090913981	26669.36346
835.4	0.396548852	2.367555265	0.240697974	0.1	0.82	0.757909779	9.093582484	26678.45704
835.6	0.39668395	2.368361857	0.240768693	0.1	0.82	0.758132461	9.096253439	26687.55329
835.8	0.396819089	2.369168689	0.240839478	0.1	0.82	0.758355347	9.098926848	26696.65222
836	0.396954268	2.36997576	0.240910327	0.1	0.82	0.758578439	9.101602717	26705.75382
836.2	0.397089487	2.370783072	0.240981242	0.1	0.82	0.758801736	9.104281049	26714.8581
836.4	0.397224746	2.371590624	0.241052223	0.1	0.82	0.759025239	9.106961847	26723.96506
836.6	0.397360046	2.372398416	0.241123268	0.1	0.82	0.759248947	9.109645117	26733.07471
836.8	0.397495385	2.373206449	0.24119438	0.1	0.82	0.759472863	9.11233086	26742.18704
837	0.397630766	2.374014723	0.241265557	0.1	0.82	0.759696984	9.115019082	26751.30206
837.2	0.397766186	2.374823239	0.241336799	0.1	0.82	0.759921313	9.117709785	26760.41977
837.4	0.397901647	2.375631996	0.241408108	0.1	0.82	0.760145849	9.120402975	26769.54017
837.6	0.398037149	2.376440994	0.241479482	0.1	0.82	0.760370593	9.123098654	26778.66327
837.8	0.398172691	2.377250235	0.241550923	0.1	0.82	0.760595545	9.125796827	26787.78907
838	0.398308274	2.378059718	0.241622429	0.1	0.82	0.760820705	9.128497497	26796.91757
838.2	0.398443897	2.378869443	0.241694002	0.1	0.82	0.761046073	9.131200669	26806.04877
838.4	0.398579561	2.37967941	0.241765641	0.1	0.82	0.761271651	9.133906347	26815.18267
838.6	0.398715265	2.380489621	0.241837347	0.1	0.82	0.761497438	9.136614533	26824.31929
838.8	0.398851011	2.381300074	0.241909119	0.1	0.82	0.761723434	9.139325232	26833.45861
839	0.398986797	2.382110771	0.241980958	0.1	0.82	0.761949641	9.142038449	26842.60065
839.2	0.399122623	2.382921711	0.242052864	0.1	0.82	0.762176057	9.144754186	26851.74541
839.4	0.399258491	2.383732895	0.242124836	0.1	0.82	0.762402684	9.147472449	26860.89288
839.6	0.3993944	2.384544323	0.242196876	0.1	0.82	0.762629522	9.15019324	26870.04307
839.8	0.399530349	2.385355995	0.242268982	0.1	0.82	0.762856572	9.152916564	26879.19599
840	0.399666339	2.386167912	0.242341156	0.1	0.82	0.763083832	9.155642425	26888.35163
840.2	0.399802371	2.386980073	0.242413397	0.1	0.82	0.763311305	9.158370826	26897.51
840.4	0.399938443	2.387792479	0.242485706	0.1	0.82	0.76353899	9.161101772	26906.6711
840.6	0.400074556	2.38860513	0.242558082	0.1	0.82	0.763766888	9.163835267	26915.83494

840.8	0.400210711	2.389418027	0.242630525	0.1	0.82	0.763994998	9.166571315	26925.00151
841	0.400346906	2.390231169	0.242703037	0.1	0.82	0.764223322	9.16930992	26934.17082
841.2	0.400483143	2.391044557	0.242775616	0.1	0.82	0.764451859	9.172051085	26943.34287
841.4	0.400619421	2.391858191	0.242848263	0.1	0.82	0.76468061	9.174794815	26952.51766
841.6	0.40075574	2.392672071	0.242920978	0.1	0.82	0.764909575	9.177541113	26961.69521
841.8	0.400892101	2.393486198	0.242993761	0.1	0.82	0.765138755	9.180289985	26970.8755
842	0.401028503	2.394300571	0.243066613	0.1	0.82	0.76536815	9.183041433	26980.05854
842.2	0.401164946	2.395115192	0.243139533	0.1	0.82	0.76559776	9.185795463	26989.24433
842.4	0.40130143	2.39593006	0.243212521	0.1	0.82	0.765827586	9.188552077	26998.43288
842.6	0.401437956	2.396745175	0.243285578	0.1	0.82	0.766057628	9.191311281	27007.6242
842.8	0.401574524	2.397560538	0.243358703	0.1	0.82	0.766287885	9.194073077	27016.81827
843	0.401711133	2.398376148	0.243431898	0.1	0.82	0.76651836	9.196837471	27026.01511
843.2	0.401847784	2.399192007	0.243505161	0.1	0.82	0.766749051	9.199604467	27035.21471
843.4	0.401984476	2.400008115	0.243578493	0.1	0.82	0.76697996	9.202374068	27044.41709
843.6	0.40212121	2.40082447	0.243651895	0.1	0.82	0.767211086	9.205146278	27053.62223
843.8	0.402257985	2.401641075	0.243725365	0.1	0.82	0.767442431	9.207921103	27062.83015
844	0.402394803	2.402457929	0.243798905	0.1	0.82	0.767673993	9.210698545	27072.04085
844.2	0.402531662	2.403275032	0.243872515	0.1	0.82	0.767905775	9.21347861	27081.25433
844.4	0.402668562	2.404092385	0.243946194	0.1	0.82	0.768137775	9.2162613	27090.47059
844.6	0.402805505	2.404909988	0.244019943	0.1	0.82	0.768369995	9.219046621	27099.68964
844.8	0.40294249	2.40572784	0.244093761	0.1	0.82	0.768602434	9.221834577	27108.91147
845	0.403079516	2.406545943	0.244167649	0.1	0.82	0.768835094	9.224625171	27118.1361
845.2	0.403216585	2.407364297	0.244241608	0.1	0.82	0.769067974	9.227418409	27127.36352
845.4	0.403353695	2.408182901	0.244315636	0.1	0.82	0.769301075	9.230214293	27136.59373
845.6	0.403490848	2.409001756	0.244389735	0.1	0.82	0.769534397	9.233012829	27145.82674
845.8	0.403628042	2.409820863	0.244463904	0.1	0.82	0.76976794	9.235814021	27155.06256
846	0.403765279	2.410640221	0.244538143	0.1	0.82	0.770001705	9.238617872	27164.30117
846.2	0.403902558	2.411459831	0.244612453	0.1	0.82	0.770235693	9.241424388	27173.5426
846.4	0.404039879	2.412279692	0.244686834	0.1	0.82	0.770469903	9.244233572	27182.78683
846.6	0.404177242	2.413099806	0.244761285	0.1	0.82	0.770704335	9.247045428	27192.03388
846.8	0.404314648	2.413920173	0.244835808	0.1	0.82	0.770938992	9.249859962	27201.28374
847	0.404452096	2.414740792	0.244910401	0.1	0.82	0.771173871	9.252677177	27210.53642
847.2	0.404589586	2.415561664	0.244985066	0.1	0.82	0.771408975	9.255497077	27219.79191
847.4	0.404727119	2.416382789	0.245059801	0.1	0.82	0.771644303	9.258319667	27229.05023
847.6	0.404864694	2.417204168	0.245134609	0.1	0.82	0.771879856	9.261144951	27238.31138
847.8	0.405002311	2.4180258	0.245209487	0.1	0.82	0.772115633	9.263972933	27247.57535
848	0.405139972	2.418847687	0.245284437	0.1	0.82	0.772351636	9.266803619	27256.84215

848.2	0.405277674	2.419669827	0.245359459	0.1	0.82	0.772587865	9.269637011	27266.11179
848.4	0.40541542	2.420492222	0.245434553	0.1	0.82	0.77282432	9.272473115	27275.38426
848.6	0.405553208	2.421314872	0.245509719	0.1	0.82	0.773061002	9.275311935	27284.65958
848.8	0.405691038	2.422137776	0.245584956	0.1	0.82	0.77329791	9.278153475	27293.93773
849	0.405828912	2.422960936	0.245660266	0.1	0.82	0.773535046	9.280997739	27303.21873
849.2	0.405966828	2.423784351	0.245735648	0.1	0.82	0.773772409	9.283844733	27312.50257
849.4	0.406104787	2.424608022	0.245811103	0.1	0.82	0.774010001	9.28669446	27321.78927
849.6	0.406242789	2.425431948	0.24588663	0.1	0.82	0.77424782	9.289546925	27331.07881
849.8	0.406380834	2.426256131	0.24596223	0.1	0.82	0.774485868	9.292402131	27340.37122
850	0.406518922	2.42708057	0.246037902	0.1	0.82	0.774724146	9.295260085	27349.66648
850.2	0.406657052	2.427905266	0.246113647	0.1	0.82	0.774962653	9.29812079	27358.9646
850.4	0.406795226	2.428730219	0.246189466	0.1	0.82	0.775201389	9.30098425	27368.26558
850.6	0.406933443	2.429555429	0.246265357	0.1	0.82	0.775440356	9.30385047	27377.56943
850.8	0.407071703	2.430380896	0.246341322	0.1	0.82	0.775679553	9.306719455	27386.87615
851	0.407210006	2.431206621	0.246417359	0.1	0.82	0.775918982	9.309591208	27396.18574
851.2	0.407348353	2.432032604	0.246493471	0.1	0.82	0.776158641	9.312465736	27405.49821
851.4	0.407486742	2.432858845	0.246569656	0.1	0.82	0.776398532	9.315343041	27414.81355
851.6	0.407625175	2.433685344	0.246645915	0.1	0.82	0.776638656	9.318223128	27424.13177
851.8	0.407763651	2.434512103	0.246722247	0.1	0.82	0.776879011	9.321106003	27433.45288
852	0.407902171	2.43533912	0.246798653	0.1	0.82	0.7771196	9.323991669	27442.77687
852.2	0.408040734	2.436166396	0.246875134	0.1	0.82	0.777360422	9.326880131	27452.10375
852.4	0.40817934	2.436993931	0.246951689	0.1	0.82	0.777601477	9.329771394	27461.43352
852.6	0.40831799	2.437821727	0.247028318	0.1	0.82	0.777842766	9.332665462	27470.76619
852.8	0.408456683	2.438649782	0.247105021	0.1	0.82	0.77808429	9.33556234	27480.10175
853	0.40859542	2.439478097	0.247181799	0.1	0.82	0.778326048	9.338462032	27489.44021
853.2	0.408734201	2.440306673	0.247258652	0.1	0.82	0.778568042	9.341364543	27498.78158
853.4	0.408873025	2.44113551	0.247335579	0.1	0.82	0.778810271	9.344269878	27508.12585
853.6	0.409011893	2.441964607	0.247412581	0.1	0.82	0.779052736	9.34717804	27517.47302
853.8	0.409150805	2.442793966	0.247489659	0.1	0.82	0.779295437	9.350089036	27526.82311
854	0.409289761	2.443623586	0.247566811	0.1	0.82	0.779538375	9.353002869	27536.17612
854.2	0.40942876	2.444453468	0.247644039	0.1	0.82	0.779781549	9.355919544	27545.53204
854.4	0.409567803	2.445283612	0.247721342	0.1	0.82	0.780024962	9.358839067	27554.89088
854.6	0.40970689	2.446114019	0.247798721	0.1	0.82	0.780268612	9.36176144	27564.25264
854.8	0.409846022	2.446944687	0.247876175	0.1	0.82	0.7805125	9.36468667	27573.61732
855	0.409985197	2.447775619	0.247953705	0.1	0.82	0.780756627	9.36761476	27582.98494
855.2	0.410124416	2.448606813	0.248031311	0.1	0.82	0.781000993	9.370545716	27592.35548
855.4	0.410263679	2.449438271	0.248108993	0.1	0.82	0.781245598	9.373479542	27601.72896

855.6	0.410402987	2.450269993	0.248186751	0.1	0.82	0.781490443	9.376416243	27611.10538
855.8	0.410542339	2.451101978	0.248264586	0.1	0.82	0.781735528	9.379355824	27620.48474
856	0.410681734	2.451934227	0.248342497	0.1	0.82	0.781980854	9.382298289	27629.86703
856.2	0.410821175	2.452766741	0.248420484	0.1	0.82	0.78222642	9.385243644	27639.25228
856.4	0.410960659	2.453599519	0.248498548	0.1	0.82	0.782472228	9.388191892	27648.64047
856.6	0.411100188	2.454432562	0.248576689	0.1	0.82	0.782718278	9.39114304	27658.03161
856.8	0.411239761	2.45526587	0.248654907	0.1	0.82	0.78296457	9.39409709	27667.42571
857	0.411379379	2.456099444	0.248733201	0.1	0.82	0.783211105	9.39705405	27676.82276
857.2	0.411519041	2.456933283	0.248811573	0.1	0.82	0.783457882	9.400013922	27686.22278
857.4	0.411658748	2.457767388	0.248890023	0.1	0.82	0.783704903	9.402976712	27695.62575
857.6	0.411798499	2.458601759	0.248968549	0.1	0.82	0.783952168	9.405942425	27705.0317
857.8	0.411938295	2.459436397	0.249047153	0.1	0.82	0.784199677	9.408911066	27714.44061
858	0.412078136	2.460271302	0.249125835	0.1	0.82	0.78444743	9.41188264	27723.85249
858.2	0.412218021	2.461106473	0.249204595	0.1	0.82	0.784695428	9.41485715	27733.26735
858.4	0.412357951	2.461941912	0.249283432	0.1	0.82	0.784943672	9.417834603	27742.68518
858.6	0.412497926	2.462777618	0.249362348	0.1	0.82	0.785192162	9.420815004	27752.106
858.8	0.412637946	2.463613592	0.249441342	0.1	0.82	0.785440898	9.423798356	27761.5298
859	0.412778011	2.464449835	0.249520414	0.1	0.82	0.78568988	9.426784665	27770.95658
859.2	0.41291812	2.465286345	0.249599565	0.1	0.82	0.785939109	9.429773937	27780.38635
859.4	0.413058275	2.466123124	0.249678794	0.1	0.82	0.786188586	9.432766175	27789.81912
859.6	0.413198474	2.466960172	0.249758102	0.1	0.82	0.786438311	9.435761385	27799.25488
859.8	0.413338719	2.467797489	0.249837489	0.1	0.82	0.786688284	9.438759572	27808.69364
860	0.413479009	2.468635075	0.249916954	0.1	0.82	0.786938506	9.44176074	27818.1354
860.2	0.413619344	2.469472932	0.249996499	0.1	0.82	0.787188977	9.444764896	27827.58017
860.4	0.413759724	2.470311058	0.250076123	0.1	0.82	0.787439697	9.447772043	27837.02794
860.6	0.41390015	2.471149454	0.250155827	0.1	0.82	0.787690667	9.450782187	27846.47872
860.8	0.414040621	2.471988121	0.25023561	0.1	0.82	0.787941888	9.453795332	27855.93252
861	0.414181137	2.472827058	0.250315472	0.1	0.82	0.788193359	9.456811485	27865.38933
861.2	0.414321698	2.473666267	0.250395415	0.1	0.82	0.788445082	9.459830649	27874.84916
861.4	0.414462305	2.474505747	0.250475437	0.1	0.82	0.788697056	9.46285283	27884.31201
861.6	0.414602958	2.475345498	0.250555539	0.1	0.82	0.788949283	9.465878034	27893.77789
861.8	0.414743656	2.476185522	0.250635722	0.1	0.82	0.789201761	9.468906264	27903.2468
862	0.414884399	2.477025817	0.250715985	0.1	0.82	0.789454493	9.471937527	27912.71873
862.2	0.415025188	2.477866385	0.250796328	0.1	0.82	0.789707478	9.474971826	27922.1937
862.4	0.415166023	2.478707226	0.250876752	0.1	0.82	0.789960717	9.478009168	27931.67171
862.6	0.415306904	2.479548339	0.250957257	0.1	0.82	0.79021421	9.481049558	27941.15276
862.8	0.41544783	2.480389726	0.251037842	0.1	0.82	0.790467957	9.484093	27950.63686

863	0.415588802	2.481231386	0.251118509	0.1	0.82	0.79072196	9.4871395	27960.124
863.2	0.415729821	2.482073321	0.251199256	0.1	0.82	0.790976218	9.490189064	27969.61419
863.4	0.415870884	2.482915529	0.251280085	0.1	0.82	0.791230732	9.493241695	27979.10743
863.6	0.416011994	2.483758011	0.251360995	0.1	0.82	0.791485502	9.496297399	27988.60372
863.8	0.41615315	2.484600769	0.251441987	0.1	0.82	0.791740529	9.499356183	27998.10308
864	0.416294352	2.485443801	0.25152306	0.1	0.82	0.791995813	9.50241805	28007.6055
864.2	0.4164356	2.486287108	0.251604216	0.1	0.82	0.792251355	9.505483005	28017.11098
864.4	0.416576895	2.487130691	0.251685453	0.1	0.82	0.792507155	9.508551056	28026.61953
864.6	0.416718235	2.48797455	0.251766772	0.1	0.82	0.792763213	9.511622205	28036.13115
864.8	0.416859622	2.488818684	0.251848174	0.1	0.82	0.79301953	9.51469646	28045.64585
865	0.417001054	2.489663095	0.251929658	0.1	0.82	0.793276107	9.517773824	28055.16363
865.2	0.417142534	2.490507783	0.252011224	0.1	0.82	0.793532944	9.520854304	28064.68448
865.4	0.417284059	2.491352747	0.252092874	0.1	0.82	0.79379004	9.523937904	28074.20842
865.6	0.417425631	2.492197989	0.252174606	0.1	0.82	0.794047398	9.52702463	28083.73544
865.8	0.41756725	2.493043508	0.25225642	0.1	0.82	0.794305017	9.530114488	28093.26556
866	0.417708915	2.493889305	0.252338318	0.1	0.82	0.794562897	9.533207482	28102.79876
866.2	0.417850626	2.49473538	0.2524203	0.1	0.82	0.794821039	9.536303618	28112.33507
866.4	0.417992385	2.495581733	0.252502364	0.1	0.82	0.795079444	9.539402902	28121.87447
866.6	0.41813419	2.496428365	0.252584512	0.1	0.82	0.795338112	9.542505338	28131.41698
866.8	0.418276041	2.497275276	0.252666744	0.1	0.82	0.795597043	9.545610932	28140.96259
867	0.418417939	2.498122466	0.252749059	0.1	0.82	0.795856238	9.54871969	28150.51131
867.2	0.418559885	2.498969935	0.252831459	0.1	0.82	0.796115698	9.551831616	28160.06314
867.4	0.418701877	2.499817684	0.252913942	0.1	0.82	0.796375422	9.554946717	28169.61808
867.6	0.418843916	2.500665713	0.25299651	0.1	0.82	0.796635411	9.558064998	28179.17615
867.8	0.418986001	2.501514023	0.253079162	0.1	0.82	0.796895666	9.561186464	28188.73734
868	0.419128134	2.502362613	0.253161899	0.1	0.82	0.797156187	9.564311121	28198.30165
868.2	0.419270314	2.503211484	0.25324472	0.1	0.82	0.797416975	9.567438974	28207.86909
868.4	0.419412541	2.504060636	0.253327626	0.1	0.82	0.79767803	9.570570029	28217.43966
868.6	0.419554815	2.50491007	0.253410617	0.1	0.82	0.797939352	9.573704291	28227.01336
868.8	0.419697137	2.505759786	0.253493694	0.1	0.82	0.798200942	9.576841766	28236.5902
869	0.419839505	2.506609784	0.253576855	0.1	0.82	0.798462801	9.579982459	28246.17018
869.2	0.419981921	2.507460064	0.253660102	0.1	0.82	0.798724928	9.583126376	28255.75331
869.4	0.420124385	2.508310626	0.253743434	0.1	0.82	0.798987325	9.586273522	28265.33958
869.6	0.420266895	2.509161472	0.253826852	0.1	0.82	0.799249992	9.589423903	28274.92901
869.8	0.420409453	2.510012601	0.253910356	0.1	0.82	0.799512929	9.592577525	28284.52159
870	0.420552059	2.510864013	0.253993946	0.1	0.82	0.799776137	9.595734393	28294.11732
870.2	0.420694712	2.51171571	0.254077622	0.1	0.82	0.800039616	9.598894513	28303.71621

870.4	0.420837413	2.51256769	0.254161384	0.1	0.82	0.800303366	9.60205789	28313.31827
870.6	0.420980161	2.513419955	0.254245233	0.1	0.82	0.800567389	9.60522453	28322.9235
870.8	0.421122957	2.514272505	0.254329168	0.1	0.82	0.800831684	9.608394439	28332.53189
871	0.421265801	2.51512534	0.25441319	0.1	0.82	0.801096253	9.611567622	28342.14346
871.2	0.421408693	2.51597846	0.254497299	0.1	0.82	0.801361095	9.614744086	28351.7582
871.4	0.421551632	2.516831865	0.254581495	0.1	0.82	0.801626211	9.617923835	28361.37613
871.6	0.42169462	2.517685557	0.254665778	0.1	0.82	0.801891602	9.621106876	28370.99723
871.8	0.421837655	2.518539535	0.254750148	0.1	0.82	0.802157267	9.624293214	28380.62153
872	0.421980738	2.519393799	0.254834606	0.1	0.82	0.802423208	9.627482855	28390.24901
872.2	0.42212387	2.520248351	0.254919152	0.1	0.82	0.802689426	9.630675805	28399.87969
872.4	0.422267049	2.521103189	0.255003785	0.1	0.82	0.802955919	9.633872069	28409.51356
872.6	0.422410276	2.521958315	0.255088507	0.1	0.82	0.80322269	9.637071654	28419.15063
872.8	0.422553552	2.522813728	0.255173316	0.1	0.82	0.803489738	9.640274564	28428.7909
873	0.422696876	2.52366943	0.255258214	0.1	0.82	0.803757063	9.643480807	28438.43439
873.2	0.422840249	2.52452542	0.2553432	0.1	0.82	0.804024668	9.646690387	28448.08108
873.4	0.422983669	2.525381699	0.255428275	0.1	0.82	0.804292551	9.649903311	28457.73098
873.6	0.423127138	2.526238266	0.255513438	0.1	0.82	0.804560713	9.653119584	28467.3841
873.8	0.423270656	2.527095123	0.25559869	0.1	0.82	0.804829156	9.656339213	28477.04044
874	0.423414222	2.527952269	0.255684031	0.1	0.82	0.805097878	9.659562203	28486.7
874.2	0.423557836	2.528809706	0.255769462	0.1	0.82	0.805366882	9.66278856	28496.36279
874.4	0.423701499	2.529667432	0.255854982	0.1	0.82	0.805636167	9.66601829	28506.02881
874.6	0.423845211	2.530525449	0.255940591	0.1	0.82	0.805905733	9.669251399	28515.69806
874.8	0.423988972	2.531383757	0.25602629	0.1	0.82	0.806175582	9.672487893	28525.37055
875	0.424132781	2.532242356	0.256112079	0.1	0.82	0.806445714	9.675727777	28535.04627
875.2	0.424276639	2.533101246	0.256197958	0.1	0.82	0.806716129	9.678971059	28544.72524
875.4	0.424420546	2.533960428	0.256283927	0.1	0.82	0.806986828	9.682217743	28554.40746
875.6	0.424564502	2.534819902	0.256369986	0.1	0.82	0.807257811	9.685467836	28564.09293
875.8	0.424708507	2.535679668	0.256456135	0.1	0.82	0.807529079	9.688721344	28573.78165
876	0.424852561	2.536539727	0.256542376	0.1	0.82	0.807800633	9.691978273	28583.47363
876.2	0.424996663	2.537400079	0.256628707	0.1	0.82	0.808072472	9.695238629	28593.16887
876.4	0.425140815	2.538260725	0.256715129	0.1	0.82	0.808344598	9.698502417	28602.86737
876.6	0.425285017	2.539121664	0.256801642	0.1	0.82	0.80861701	9.701769645	28612.56914
876.8	0.425429267	2.539982896	0.256888246	0.1	0.82	0.80888971	9.705040318	28622.27418
877	0.425573567	2.540844423	0.256974942	0.1	0.82	0.809162697	9.708314442	28631.9825
877.2	0.425717916	2.541706245	0.257061729	0.1	0.82	0.809435973	9.711592023	28641.69409
877.4	0.425862314	2.542568361	0.257148608	0.1	0.82	0.809709538	9.714873068	28651.40896
877.6	0.426006762	2.543430773	0.257235579	0.1	0.82	0.809983392	9.718157583	28661.12712

877.8	0.42615126	2.54429348	0.257322642	0.1	0.82	0.810257537	9.721445574	28670.84856
878	0.426295806	2.545156483	0.257409798	0.1	0.82	0.810531971	9.724737046	28680.5733
878.2	0.426440403	2.546019782	0.257497045	0.1	0.82	0.810806697	9.728032007	28690.30133
878.4	0.426585049	2.546883377	0.257584386	0.1	0.82	0.811081714	9.731330462	28700.03266
878.6	0.426729745	2.547747269	0.257671819	0.1	0.82	0.811357023	9.734632418	28709.7673
878.8	0.426874491	2.548611458	0.257759345	0.1	0.82	0.811632624	9.737937881	28719.50523
879	0.427019286	2.549475945	0.257846964	0.1	0.82	0.811908519	9.741246857	28729.24648
879.2	0.427164131	2.550340729	0.257934676	0.1	0.82	0.812184707	9.744559353	28738.99104
879.4	0.427309026	2.551205812	0.258022481	0.1	0.82	0.812461189	9.747875374	28748.73892
879.6	0.427453972	2.552071192	0.25811038	0.1	0.82	0.812737966	9.751194927	28758.49011
879.8	0.427598967	2.552936872	0.258198373	0.1	0.82	0.813015038	9.754518019	28768.24463
880	0.427744012	2.55380285	0.25828646	0.1	0.82	0.813292405	9.757844656	28778.00247
880.2	0.427889108	2.554669128	0.258374641	0.1	0.82	0.813570069	9.761174843	28787.76365
880.4	0.428034253	2.555535705	0.258462916	0.1	0.82	0.813848029	9.764508588	28797.52816
880.6	0.428179449	2.556402583	0.258551285	0.1	0.82	0.814126287	9.767845897	28807.296
880.8	0.428324695	2.55726976	0.258639749	0.1	0.82	0.814404842	9.771186777	28817.06719
881	0.428469992	2.558137239	0.258728308	0.1	0.82	0.814683696	9.774531232	28826.84172
881.2	0.428615339	2.559005018	0.258816962	0.1	0.82	0.814962849	9.777879272	28836.6196
881.4	0.428760736	2.559873098	0.25890571	0.1	0.82	0.815242301	9.7812309	28846.40083
881.6	0.428906184	2.56074148	0.258994554	0.1	0.82	0.815522053	9.784586125	28856.18542
881.8	0.429051682	2.561610164	0.259083494	0.1	0.82	0.815802106	9.787944952	28865.97336
882	0.429197231	2.562479151	0.259172529	0.1	0.82	0.816082459	9.791307388	28875.76467
882.2	0.429342831	2.56334844	0.25926166	0.1	0.82	0.816363114	9.79467344	28885.55934
882.4	0.429488482	2.564218031	0.259350887	0.1	0.82	0.816644071	9.798043114	28895.35739
882.6	0.429634183	2.565087926	0.259440209	0.1	0.82	0.816925331	9.801416417	28905.1588
882.8	0.429779935	2.565958125	0.259529629	0.1	0.82	0.817206894	9.804793355	28914.9636
883	0.429925738	2.566828628	0.259619144	0.1	0.82	0.817488761	9.808173935	28924.77177
883.2	0.430071592	2.567699434	0.259708757	0.1	0.82	0.817770932	9.811558163	28934.58333
883.4	0.430217497	2.568570546	0.259798466	0.1	0.82	0.818053409	9.814946046	28944.39827
883.6	0.430363453	2.569441962	0.259888272	0.1	0.82	0.81833619	9.818337591	28954.21661
883.8	0.430509461	2.570313683	0.259978175	0.1	0.82	0.818619277	9.821732804	28964.03834
884	0.430655519	2.57118571	0.260068176	0.1	0.82	0.818902671	9.825131692	28973.86348
884.2	0.430801629	2.572058043	0.260158274	0.1	0.82	0.819186372	9.828534262	28983.69201
884.4	0.43094779	2.572930683	0.26024847	0.1	0.82	0.819470381	9.831940521	28993.52395
884.6	0.431094002	2.573803629	0.260338763	0.1	0.82	0.819754698	9.835350474	29003.3593
884.8	0.431240266	2.574676881	0.260429155	0.1	0.82	0.820039324	9.83876413	29013.19806
885	0.431386581	2.575550441	0.260519645	0.1	0.82	0.820324259	9.842181494	29023.04025

885.2	0.431532947	2.576424309	0.260610234	0.1	0.82	0.820609504	9.845602573	29032.88585
885.4	0.431679366	2.577298484	0.260700921	0.1	0.82	0.820895059	9.849027375	29042.73488
885.6	0.431825836	2.578172968	0.260791706	0.1	0.82	0.821180925	9.852455905	29052.58733
885.8	0.431972357	2.579047761	0.260882591	0.1	0.82	0.821467103	9.855888172	29062.44322
886	0.43211893	2.579922862	0.260973575	0.1	0.82	0.821753594	9.859324181	29072.30254
886.2	0.432265556	2.580798273	0.261064658	0.1	0.82	0.822040396	9.86276394	29082.16531
886.4	0.432412233	2.581673993	0.261155841	0.1	0.82	0.822327513	9.866207455	29092.03152
886.6	0.432558961	2.582550024	0.261247124	0.1	0.82	0.822614943	9.869654733	29101.90117
886.8	0.432705742	2.583426364	0.261338506	0.1	0.82	0.822902687	9.873105782	29111.77428
887	0.432852575	2.584303016	0.261429988	0.1	0.82	0.823190747	9.876560608	29121.65084
887.2	0.43299946	2.585179978	0.261521571	0.1	0.82	0.823479123	9.880019218	29131.53086
887.4	0.433146398	2.586057252	0.261613254	0.1	0.82	0.823767814	9.883481619	29141.41434
887.6	0.433293387	2.586934837	0.261705038	0.1	0.82	0.824056822	9.886947819	29151.30129
887.8	0.433440429	2.587812735	0.261796922	0.1	0.82	0.824346148	9.890417823	29161.1917
888	0.433587523	2.588690944	0.261888907	0.1	0.82	0.824635792	9.893891639	29171.0856
888.2	0.433734669	2.589569467	0.261980994	0.1	0.82	0.824925754	9.897369275	29180.98296
888.4	0.433881868	2.590448303	0.262073182	0.1	0.82	0.825216035	9.900850737	29190.88382
888.6	0.434029119	2.591327452	0.262165471	0.1	0.82	0.825506637	9.904336032	29200.78815
888.8	0.434176423	2.592206915	0.262257863	0.1	0.82	0.825797558	9.907825167	29210.69598
889	0.434323779	2.593086692	0.262350356	0.1	0.82	0.8260888	9.911318151	29220.60729
889.2	0.434471189	2.593966784	0.262442951	0.1	0.82	0.826380364	9.914814988	29230.52211
889.4	0.43461865	2.59484719	0.262535649	0.1	0.82	0.82667225	9.918315688	29240.44043
889.6	0.434766165	2.595727912	0.262628449	0.1	0.82	0.826964459	9.921820256	29250.36225
889.8	0.434913733	2.596608949	0.262721351	0.1	0.82	0.827256991	9.925328701	29260.28757
890	0.435061353	2.597490302	0.262814357	0.1	0.82	0.827549847	9.928841029	29270.21642
890.2	0.435209027	2.598371972	0.262907466	0.1	0.82	0.827843028	9.932357248	29280.14877
890.4	0.435356753	2.599253958	0.263000677	0.1	0.82	0.828136533	9.935877364	29290.08465
890.6	0.435504533	2.600136261	0.263093993	0.1	0.82	0.828430364	9.939401386	29300.02405
890.8	0.435652365	2.601018881	0.263187412	0.1	0.82	0.828724522	9.94292932	29309.96698
891	0.435800251	2.60190182	0.263280935	0.1	0.82	0.829019007	9.946461173	29319.91344
891.2	0.43594819	2.602785076	0.263374561	0.1	0.82	0.829313819	9.949996954	29329.86344
891.4	0.436096183	2.60366865	0.263468292	0.1	0.82	0.829608959	9.953536669	29339.81698
891.6	0.436244229	2.604552543	0.263562128	0.1	0.82	0.829904428	9.957080326	29349.77406
891.8	0.436392328	2.605436756	0.263656068	0.1	0.82	0.830200227	9.960627932	29359.73468
892	0.436540481	2.606321288	0.263750113	0.1	0.82	0.830496355	9.964179495	29369.69886
892.2	0.436688687	2.60720614	0.263844263	0.1	0.82	0.830792815	9.967735021	29379.6666
892.4	0.436836948	2.608091312	0.263938518	0.1	0.82	0.831089605	9.971294519	29389.63789

892.6	0.436985261	2.608976804	0.264032878	0.1	0.82	0.831386727	9.974857995	29399.61275
892.8	0.437133629	2.609862618	0.264127344	0.1	0.82	0.831684182	9.978425458	29409.59118
893	0.43728205	2.610748752	0.264221916	0.1	0.82	0.83198197	9.981996915	29419.57317
893.2	0.437430525	2.611635209	0.264316594	0.1	0.82	0.832280092	9.985572373	29429.55875
893.4	0.437579055	2.612521987	0.264411378	0.1	0.82	0.832578548	9.98915184	29439.5479
893.6	0.437727638	2.613409088	0.264506269	0.1	0.82	0.832877339	9.992735324	29449.54063
893.8	0.437876275	2.614296512	0.264601266	0.1	0.82	0.833176466	9.996322831	29459.53696
894	0.438024966	2.615184259	0.26469637	0.1	0.82	0.833475929	9.99991437	29469.53687
894.2	0.438173712	2.616072329	0.264791581	0.1	0.82	0.833775729	10.00350995	29479.54038
894.4	0.438322512	2.616960723	0.264886899	0.1	0.82	0.834075867	10.00710957	29489.54749
894.6	0.438471366	2.617849442	0.264982324	0.1	0.82	0.834376342	10.01071325	29499.5582
894.8	0.438620274	2.618738485	0.265077857	0.1	0.82	0.834677157	10.014321	29509.57252
895	0.438769237	2.619627853	0.265173498	0.1	0.82	0.834978311	10.01793281	29519.59046
895.2	0.438918254	2.620517546	0.265269247	0.1	0.82	0.835279805	10.0215487	29529.612
895.4	0.439067326	2.621407565	0.265365104	0.1	0.82	0.83558164	10.02516867	29539.63717
895.6	0.439216453	2.62229791	0.26546107	0.1	0.82	0.835883816	10.02879274	29549.66597
895.8	0.439365634	2.623188582	0.265557144	0.1	0.82	0.836186335	10.03242091	29559.69839
896	0.43951487	2.62407958	0.265653327	0.1	0.82	0.836489196	10.03605319	29569.73444
896.2	0.439664161	2.624970906	0.265749619	0.1	0.82	0.836792401	10.03968958	29579.77413
896.4	0.439813507	2.625862559	0.26584602	0.1	0.82	0.837095949	10.0433301	29589.81746
896.6	0.439962907	2.626754541	0.265942531	0.1	0.82	0.837399842	10.04697475	29599.86443
896.8	0.440112363	2.62764685	0.266039152	0.1	0.82	0.837704081	10.05062354	29609.91506
897	0.440261873	2.628539489	0.266135882	0.1	0.82	0.838008666	10.05427648	29619.96933
897.2	0.440411439	2.629432456	0.266232723	0.1	0.82	0.838313597	10.05793357	29630.02727
897.4	0.44056106	2.630325753	0.266329673	0.1	0.82	0.838618875	10.06159483	29640.08886
897.6	0.440710736	2.63121938	0.266426735	0.1	0.82	0.838924502	10.06526026	29650.15412
897.8	0.440860468	2.632113337	0.266523907	0.1	0.82	0.839230477	10.06892987	29660.22305
898	0.441010255	2.633007625	0.26662119	0.1	0.82	0.839536802	10.07260367	29670.29566
898.2	0.441160097	2.633902244	0.266718584	0.1	0.82	0.839843476	10.07628167	29680.37194
898.4	0.441309995	2.634797194	0.266816089	0.1	0.82	0.840150501	10.07996387	29690.4519
898.6	0.441459948	2.635692476	0.266913706	0.1	0.82	0.840457878	10.08365028	29700.53555
898.8	0.441609957	2.63658809	0.267011435	0.1	0.82	0.840765607	10.08734091	29710.62289
899	0.441760022	2.637484037	0.267109276	0.1	0.82	0.841073688	10.09103577	29720.71393
899.2	0.441910143	2.638380316	0.267207229	0.1	0.82	0.841382122	10.09473486	29730.80866
899.4	0.442060319	2.639276929	0.267305294	0.1	0.82	0.841690911	10.0984382	29740.9071
899.6	0.442210551	2.640173876	0.267403473	0.1	0.82	0.842000055	10.1021458	29751.00925
899.8	0.44236084	2.641071157	0.267501764	0.1	0.82	0.842309554	10.10585765	29761.11511

900	0.442511184	2.641968772	0.267600168	0.1	0.82	0.842619409	10.10957377	29771.22468
900.2	0.442661584	2.642866722	0.267698685	0.1	0.82	0.84292962	10.11329417	29781.33797
900.4	0.442812041	2.643765008	0.267797316	0.1	0.82	0.84324019	10.11701886	29791.45499
900.6	0.442962553	2.644663629	0.267896061	0.1	0.82	0.843551117	10.12074784	29801.57574
900.8	0.443113122	2.645562586	0.26799492	0.1	0.82	0.843862404	10.12448113	29811.70022
901	0.443263748	2.64646188	0.268093893	0.1	0.82	0.84417405	10.12821872	29821.82844
901.2	0.44341443	2.64736151	0.26819298	0.1	0.82	0.844486056	10.13196063	29831.9604
901.4	0.443565168	2.648261478	0.268292182	0.1	0.82	0.844798423	10.13570687	29842.09611
901.6	0.443715963	2.649161783	0.268391499	0.1	0.82	0.845111152	10.13945745	29852.23557
901.8	0.443866814	2.650062427	0.268490931	0.1	0.82	0.845424243	10.14321237	29862.37878
902	0.444017722	2.650963408	0.268590478	0.1	0.82	0.845737698	10.14697165	29872.52575
902.2	0.444168687	2.651864729	0.268690141	0.1	0.82	0.846051516	10.15073528	29882.67648
902.4	0.444319709	2.652766389	0.26878992	0.1	0.82	0.846365699	10.15450329	29892.83099
902.6	0.444470787	2.653668389	0.268889814	0.1	0.82	0.846680247	10.15827567	29902.98926
902.8	0.444621923	2.654570728	0.268989825	0.1	0.82	0.84699516	10.16205244	29913.15132
903	0.444773115	2.655473408	0.269089952	0.1	0.82	0.847310441	10.16583361	29923.31715
903.2	0.444924365	2.656376429	0.269190196	0.1	0.82	0.847626089	10.16961918	29933.48677
903.4	0.445075672	2.657279791	0.269290557	0.1	0.82	0.847942105	10.17340916	29943.66018
903.6	0.445227036	2.658183495	0.269391035	0.1	0.82	0.84825849	10.17720357	29953.83738
903.8	0.445378457	2.65908754	0.26949163	0.1	0.82	0.848575244	10.1810024	29964.01838
904	0.445529936	2.659991929	0.269592343	0.1	0.82	0.848892368	10.18480567	29974.20319
904.2	0.445681472	2.66089666	0.269693173	0.1	0.82	0.849209864	10.1886134	29984.3918
904.4	0.445833065	2.661801734	0.269794122	0.1	0.82	0.849527731	10.19242557	29994.58423
904.6	0.445984717	2.662707152	0.269895189	0.1	0.82	0.849845971	10.19624221	30004.78047
904.8	0.446136425	2.663612914	0.269996375	0.1	0.82	0.850164584	10.20006333	30014.98053
905	0.446288192	2.664519021	0.270097679	0.1	0.82	0.850483571	10.20388893	30025.18442
905.2	0.446440016	2.665425472	0.270199102	0.1	0.82	0.850802932	10.20771902	30035.39214
905.4	0.446591898	2.666332269	0.270300644	0.1	0.82	0.851122669	10.21155361	30045.6037
905.6	0.446743838	2.667239412	0.270402306	0.1	0.82	0.851442782	10.21539271	30055.81909
905.8	0.446895836	2.6681469	0.270504088	0.1	0.82	0.851763272	10.21923633	30066.03832
906	0.447047892	2.669054735	0.27060599	0.1	0.82	0.85208414	10.22308447	30076.26141
906.2	0.447200006	2.669962918	0.270708011	0.1	0.82	0.852405386	10.22693716	30086.48835
906.4	0.447352179	2.670871447	0.270810153	0.1	0.82	0.852727011	10.23079438	30096.71914
906.6	0.447504409	2.671780324	0.270912416	0.1	0.82	0.853049016	10.23465616	30106.9538
906.8	0.447656698	2.67268955	0.2710148	0.1	0.82	0.853371402	10.23852251	30117.19232
907	0.447809045	2.673599124	0.271117305	0.1	0.82	0.853694169	10.24239342	30127.43471
907.2	0.447961451	2.674509047	0.271219931	0.1	0.82	0.854017318	10.24626892	30137.68098

907.4	0.448113915	2.67541932	0.271322678	0.1	0.82	0.85434085	10.25014901	30147.93113
907.6	0.448266438	2.676329943	0.271425548	0.1	0.82	0.854664766	10.25403369	30158.18516
907.8	0.44841902	2.677240916	0.27152854	0.1	0.82	0.854989066	10.25792299	30168.44309
908	0.44857166	2.678152239	0.271631654	0.1	0.82	0.855313751	10.2618169	30178.7049
908.2	0.448724359	2.679063914	0.27173489	0.1	0.82	0.855638823	10.26571544	30188.97062
908.4	0.448877117	2.67997594	0.27183825	0.1	0.82	0.855964281	10.26961862	30199.24024
908.6	0.449029934	2.680888319	0.271941732	0.1	0.82	0.856290126	10.27352644	30209.51376
908.8	0.44918281	2.681801049	0.272045338	0.1	0.82	0.85661636	10.27743892	30219.7912
909	0.449335745	2.682714133	0.272149067	0.1	0.82	0.856942983	10.28135606	30230.07256
909.2	0.449488739	2.68362757	0.272252921	0.1	0.82	0.857269996	10.28527788	30240.35784
909.4	0.449641793	2.68454136	0.272356898	0.1	0.82	0.8575974	10.28920438	30250.64704
909.6	0.449794906	2.685455505	0.272460999	0.1	0.82	0.857925195	10.29313557	30260.94018
909.8	0.449948078	2.686370004	0.272565225	0.1	0.82	0.858253382	10.29707146	30271.23725
910	0.45010131	2.687284859	0.272669576	0.1	0.82	0.858581962	10.30101207	30281.53826
910.2	0.450254601	2.688200068	0.272774052	0.1	0.82	0.858910936	10.30495739	30291.84322
910.4	0.450407952	2.689115634	0.272878654	0.1	0.82	0.859240305	10.30890745	30302.15213
910.6	0.450561362	2.690031556	0.272983381	0.1	0.82	0.859570069	10.31286224	30312.46499
910.8	0.450714832	2.690947834	0.273088233	0.1	0.82	0.859900229	10.31682179	30322.78181
911	0.450868362	2.69186447	0.273193212	0.1	0.82	0.860230786	10.32078609	30333.1026
911.2	0.451021952	2.692781463	0.273298317	0.1	0.82	0.860561741	10.32475516	30343.42735
911.4	0.451175602	2.693698815	0.273403549	0.1	0.82	0.860893094	10.32872901	30353.75608
911.6	0.451329312	2.694616525	0.273508907	0.1	0.82	0.861224847	10.33270765	30364.08879
911.8	0.451483082	2.695534593	0.273614393	0.1	0.82	0.861557	10.33669109	30374.42548
912	0.451636912	2.696453021	0.273720006	0.1	0.82	0.861889555	10.34067933	30384.76616
912.2	0.451790803	2.697371809	0.273825747	0.1	0.82	0.862222511	10.34467239	30395.11083
912.4	0.451944754	2.698290957	0.273931615	0.1	0.82	0.862555869	10.34867028	30405.4595
912.6	0.452098765	2.699210466	0.274037612	0.1	0.82	0.862889631	10.352673	30415.81217
912.8	0.452252837	2.700130336	0.274143737	0.1	0.82	0.863223798	10.35668057	30426.16885
913	0.452406969	2.701050568	0.27424999	0.1	0.82	0.863558369	10.360693	30436.52955
913.2	0.452561162	2.701971161	0.274356373	0.1	0.82	0.863893347	10.36471029	30446.89426
913.4	0.452715416	2.702892117	0.274462885	0.1	0.82	0.864228731	10.36873246	30457.26299
913.6	0.45286973	2.703813436	0.274569526	0.1	0.82	0.864564523	10.37275952	30467.63575
913.8	0.453024105	2.704735118	0.274676297	0.1	0.82	0.864900723	10.37679147	30478.01254
914	0.453178541	2.705657164	0.274783198	0.1	0.82	0.865237332	10.38082833	30488.39337
914.2	0.453333039	2.706579574	0.274890229	0.1	0.82	0.865574352	10.38487011	30498.77824
914.4	0.453487597	2.707502349	0.27499739	0.1	0.82	0.865911782	10.38891681	30509.16716
914.6	0.453642216	2.708425489	0.275104683	0.1	0.82	0.866249625	10.39296844	30519.56013

914.8	0.453796897	2.709348995	0.275212106	0.1	0.82	0.86658788	10.39702503	30529.95715
915	0.453951639	2.710272866	0.275319661	0.1	0.82	0.866926548	10.40108657	30540.35824
915.2	0.454106443	2.711197104	0.275427347	0.1	0.82	0.867265631	10.40515308	30550.76339
915.4	0.454261307	2.71212171	0.275535165	0.1	0.82	0.867605129	10.40922456	30561.17261
915.6	0.454416234	2.713046682	0.275643116	0.1	0.82	0.867945043	10.41330103	30571.58592
915.8	0.454571222	2.713972022	0.275751199	0.1	0.82	0.868285374	10.4173825	30582.0033
916	0.454726271	2.714897731	0.275859414	0.1	0.82	0.868626123	10.42146898	30592.42477
916.2	0.454881383	2.715823809	0.275967762	0.1	0.82	0.86896729	10.42556048	30602.85033
916.4	0.455036556	2.716750255	0.276076244	0.1	0.82	0.869308877	10.429657	30613.27998
916.6	0.455191792	2.717677072	0.276184859	0.1	0.82	0.869650884	10.43375856	30623.71374
916.8	0.455347089	2.718604259	0.276293608	0.1	0.82	0.869993312	10.43786518	30634.15161
917	0.455502448	2.719531816	0.276402491	0.1	0.82	0.870336163	10.44197685	30644.59358
917.2	0.45565787	2.720459744	0.276511508	0.1	0.82	0.870679436	10.44609359	30655.03968
917.4	0.455813353	2.721388044	0.27662066	0.1	0.82	0.871023133	10.45021542	30665.48989
917.6	0.455968899	2.722316716	0.276729946	0.1	0.82	0.871367255	10.45434233	30675.94424
917.8	0.456124508	2.723245761	0.276839368	0.1	0.82	0.871711803	10.45847435	30686.40271
918	0.456280179	2.724175178	0.276948926	0.1	0.82	0.872056777	10.46261148	30696.86532
918.2	0.456435912	2.725104969	0.277058619	0.1	0.82	0.872402178	10.46675373	30707.33208
918.4	0.456591708	2.726035134	0.277168448	0.1	0.82	0.872748008	10.47090112	30717.80298
918.6	0.456747567	2.726965673	0.277278413	0.1	0.82	0.873094267	10.47505365	30728.27803
918.8	0.456903488	2.727896587	0.277388515	0.1	0.82	0.873440956	10.47921134	30738.75724
919	0.457059473	2.728827876	0.277498754	0.1	0.82	0.873788076	10.48337419	30749.24062
919.2	0.45721552	2.729759541	0.27760913	0.1	0.82	0.874135628	10.48754222	30759.72816
919.4	0.45737163	2.730691583	0.277719643	0.1	0.82	0.874483612	10.49171544	30770.21987
919.6	0.457527804	2.731624001	0.277830294	0.1	0.82	0.87483203	10.49589386	30780.71577
919.8	0.457684041	2.732556796	0.277941083	0.1	0.82	0.875180883	10.50007748	30791.21585
920	0.45784034	2.733489969	0.278052011	0.1	0.82	0.875530172	10.50426633	30801.72011
920.2	0.457996704	2.73442352	0.278163077	0.1	0.82	0.875879896	10.50846041	30812.22857
920.4	0.45815313	2.73535745	0.278274282	0.1	0.82	0.876230058	10.51265973	30822.74123
920.6	0.458309621	2.736291759	0.278385626	0.1	0.82	0.876580659	10.5168643	30833.2581
920.8	0.458466174	2.737226447	0.278497109	0.1	0.82	0.876931698	10.52107414	30843.77917
921	0.458622792	2.738161516	0.278608733	0.1	0.82	0.877283178	10.52528925	30854.30446
921.2	0.458779473	2.739096965	0.278720496	0.1	0.82	0.877635098	10.52950965	30864.83397
921.4	0.458936218	2.740032796	0.2788324	0.1	0.82	0.877987461	10.53373535	30875.3677
921.6	0.459093027	2.740969007	0.278944444	0.1	0.82	0.878340266	10.53796636	30885.90567
921.8	0.4592499	2.741905601	0.27905663	0.1	0.82	0.878693515	10.54220269	30896.44787
922	0.459406837	2.742842578	0.279168956	0.1	0.82	0.879047209	10.54644435	30906.99432

922.2	0.459563838	2.743779937	0.279281424	0.1	0.82	0.879401349	10.55069135	30917.54501
922.4	0.459720903	2.74471768	0.279394034	0.1	0.82	0.879755935	10.5549437	30928.09995
922.6	0.459878033	2.745655807	0.279506786	0.1	0.82	0.880110969	10.55920142	30938.65915
922.8	0.460035227	2.746594319	0.279619681	0.1	0.82	0.880466451	10.56346452	30949.22262
923	0.460192485	2.747533215	0.279732718	0.1	0.82	0.880822383	10.56773301	30959.79035
923.2	0.460349809	2.748472497	0.279845899	0.1	0.82	0.881178766	10.57200689	30970.36236
923.4	0.460507196	2.749412165	0.279959222	0.1	0.82	0.881535599	10.57628619	30980.93864
923.6	0.460664649	2.750352219	0.28007269	0.1	0.82	0.881892886	10.58057091	30991.51922
923.8	0.460822166	2.75129266	0.280186301	0.1	0.82	0.882250625	10.58486106	31002.10408
924	0.460979748	2.752233489	0.280300057	0.1	0.82	0.882608819	10.58915666	31012.69323
924.2	0.461137395	2.753174706	0.280413957	0.1	0.82	0.882967468	10.59345772	31023.28669
924.4	0.461295108	2.754116311	0.280528002	0.1	0.82	0.883326573	10.59776425	31033.88446
924.6	0.461452885	2.755058305	0.280642193	0.1	0.82	0.883686136	10.60207625	31044.48653
924.8	0.461610728	2.756000689	0.280756528	0.1	0.82	0.884046157	10.60639375	31055.09293
925	0.461768636	2.756943463	0.28087101	0.1	0.82	0.884406636	10.61071676	31065.70364
925.2	0.461926609	2.757886627	0.280985638	0.1	0.82	0.884767577	10.61504528	31076.31869
925.4	0.462084648	2.758830182	0.281100412	0.1	0.82	0.885128978	10.61937933	31086.93807
925.6	0.462242752	2.759774128	0.281215333	0.1	0.82	0.885490841	10.62371891	31097.56179
925.8	0.462400922	2.760718467	0.281330401	0.1	0.82	0.885853168	10.62806405	31108.18985
926	0.462559158	2.761663198	0.281445617	0.1	0.82	0.886215958	10.63241476	31118.82226
926.2	0.46271746	2.762608322	0.28156098	0.1	0.82	0.886579214	10.63677104	31129.45904
926.4	0.462875827	2.76355384	0.281676491	0.1	0.82	0.886942936	10.6411329	31140.10017
926.6	0.463034261	2.764499752	0.281792151	0.1	0.82	0.887307125	10.64550037	31150.74567
926.8	0.463192761	2.765446058	0.281907959	0.1	0.82	0.887671782	10.64987345	31161.39554
927	0.463351326	2.766392759	0.282023917	0.1	0.82	0.888036909	10.65425215	31172.04979
927.2	0.463509958	2.767339856	0.282140023	0.1	0.82	0.888402506	10.65863649	31182.70843
927.4	0.463668657	2.768287349	0.28225628	0.1	0.82	0.888768573	10.66302647	31193.37146
927.6	0.463827422	2.769235239	0.282372686	0.1	0.82	0.889135113	10.66742212	31204.03888
927.8	0.463986253	2.770183526	0.282489242	0.1	0.82	0.889502127	10.67182344	31214.7107
928	0.464145151	2.77113221	0.28260595	0.1	0.82	0.889869614	10.67623044	31225.38693
928.2	0.464304116	2.772081293	0.282722808	0.1	0.82	0.890237577	10.68064315	31236.06758
928.4	0.464463147	2.773030774	0.282839817	0.1	0.82	0.890606016	10.68506156	31246.75264
928.6	0.464622246	2.773980655	0.282956978	0.1	0.82	0.890974933	10.68948569	31257.44212
928.8	0.464781411	2.774930935	0.283074291	0.1	0.82	0.891344328	10.69391556	31268.13604
929	0.464940643	2.775881616	0.283191756	0.1	0.82	0.891714202	10.69835118	31278.83439
929.2	0.465099943	2.776832698	0.283309374	0.1	0.82	0.892084557	10.70279256	31289.53718
929.4	0.465259309	2.77778418	0.283427145	0.1	0.82	0.892455394	10.70723971	31300.24442

929.6	0.465418743	2.778736065	0.283545069	0.1	0.82	0.892826713	10.71169264	31310.95612
929.8	0.465578245	2.779688352	0.283663147	0.1	0.82	0.893198516	10.71615137	31321.67227
930	0.465737814	2.780641042	0.283781378	0.1	0.82	0.893570803	10.72061591	31332.39288
930.2	0.46589745	2.781594136	0.283899764	0.1	0.82	0.893943577	10.72508628	31343.11797
930.4	0.466057154	2.782547634	0.284018304	0.1	0.82	0.894316837	10.72956248	31353.84753
930.6	0.466216926	2.783501536	0.284137	0.1	0.82	0.894690585	10.73404453	31364.58158
930.8	0.466376766	2.784455843	0.28425585	0.1	0.82	0.895064822	10.73853244	31375.32011
931	0.466536674	2.785410556	0.284374857	0.1	0.82	0.895439549	10.74302623	31386.06313
931.2	0.466696649	2.786365675	0.284494019	0.1	0.82	0.895814768	10.7475259	31396.81066
931.4	0.466856693	2.787321201	0.284613338	0.1	0.82	0.896190478	10.75203147	31407.56269
931.6	0.467016805	2.788277134	0.284732813	0.1	0.82	0.896566682	10.75654296	31418.31924
931.8	0.467176986	2.789233474	0.284852445	0.1	0.82	0.89694338	10.76106037	31429.0803
932	0.467337234	2.790190223	0.284972235	0.1	0.82	0.897320574	10.76558373	31439.84588
932.2	0.467497551	2.791147381	0.285092183	0.1	0.82	0.897698265	10.77011303	31450.61599
932.4	0.467657937	2.792104949	0.285212288	0.1	0.82	0.898076453	10.7746483	31461.39064
932.6	0.467818392	2.793062926	0.285332552	0.1	0.82	0.89845514	10.77918955	31472.16983
932.8	0.467978915	2.794021314	0.285452975	0.1	0.82	0.898834326	10.7837368	31482.95357
933	0.468139507	2.794980113	0.285573556	0.1	0.82	0.899214014	10.78829004	31493.74186
933.2	0.468300168	2.795939324	0.285694298	0.1	0.82	0.899594204	10.79284931	31504.53471
933.4	0.468460898	2.796898946	0.285815199	0.1	0.82	0.899974897	10.79741461	31515.33212
933.6	0.468621697	2.797858982	0.28593626	0.1	0.82	0.900356095	10.80198596	31526.13411
933.8	0.468782566	2.798819431	0.286057482	0.1	0.82	0.900737798	10.80656336	31536.94067
934	0.468943504	2.799780293	0.286178864	0.1	0.82	0.901120008	10.81114684	31547.75182
934.2	0.469104511	2.80074157	0.286300408	0.1	0.82	0.901502725	10.8157364	31558.56755
934.4	0.469265587	2.801703262	0.286422114	0.1	0.82	0.901885952	10.82033206	31569.38789
934.6	0.469426734	2.80266537	0.286543981	0.1	0.82	0.902269688	10.82493384	31580.21282
934.8	0.469587949	2.803627894	0.286666011	0.1	0.82	0.902653936	10.82954174	31591.04236
935	0.469749235	2.804590834	0.286788204	0.1	0.82	0.903038696	10.83415579	31601.87652
935.2	0.469910591	2.805554191	0.286910559	0.1	0.82	0.903423969	10.83877599	31612.71529
935.4	0.470072016	2.806517967	0.287033078	0.1	0.82	0.903809757	10.84340235	31623.5587
935.6	0.470233512	2.80748216	0.287155761	0.1	0.82	0.904196061	10.8480349	31634.40673
935.8	0.470395078	2.808446773	0.287278608	0.1	0.82	0.904582881	10.85267365	31645.2594
936	0.470556714	2.809411805	0.28740162	0.1	0.82	0.90497022	10.85731861	31656.11672
936.2	0.47071842	2.810377257	0.287524796	0.1	0.82	0.905358078	10.86196979	31666.97869
936.4	0.470880197	2.81134313	0.287648138	0.1	0.82	0.905746456	10.86662721	31677.84532
936.6	0.471042045	2.812309424	0.287771645	0.1	0.82	0.906135356	10.87129088	31688.71661
936.8	0.471203963	2.81327614	0.287895319	0.1	0.82	0.906524779	10.87596081	31699.59257

937	0.471365952	2.814243278	0.288019158	0.1	0.82	0.906914726	10.88063703	31710.47321
937.2	0.471528011	2.815210839	0.288143165	0.1	0.82	0.907305198	10.88531955	31721.35853
937.4	0.471690142	2.816178823	0.288267339	0.1	0.82	0.907696196	10.89000837	31732.24854
937.6	0.471852344	2.817147232	0.28839168	0.1	0.82	0.908087722	10.89470351	31743.14324
937.8	0.472014616	2.818116065	0.288516189	0.1	0.82	0.908479777	10.89940499	31754.04264
938	0.47217696	2.819085324	0.288640867	0.1	0.82	0.908872361	10.90411283	31764.94676
938.2	0.472339376	2.820055008	0.288765713	0.1	0.82	0.909265477	10.90882703	31775.85558
938.4	0.472501862	2.821025119	0.288890728	0.1	0.82	0.909659125	10.91354761	31786.76913
938.6	0.472664421	2.821995657	0.289015913	0.1	0.82	0.910053306	10.91827459	31797.68741
938.8	0.47282705	2.822966622	0.289141267	0.1	0.82	0.910448023	10.92300797	31808.61041
939	0.472989752	2.823938016	0.289266792	0.1	0.82	0.910843275	10.92774779	31819.53816
939.2	0.473152525	2.824909838	0.289392487	0.1	0.82	0.911239065	10.93249404	31830.47066
939.4	0.473315371	2.82588209	0.289518354	0.1	0.82	0.911635392	10.93724674	31841.4079
939.6	0.473478288	2.826854772	0.289644392	0.1	0.82	0.91203226	10.94200592	31852.34991
939.8	0.473641278	2.827827884	0.289770601	0.1	0.82	0.912429669	10.94677157	31863.29668
940	0.473804339	2.828801428	0.289896983	0.1	0.82	0.912827619	10.95154373	31874.24822
940.2	0.473967473	2.829775403	0.290023537	0.1	0.82	0.913226114	10.9563224	31885.20455
940.4	0.47413068	2.830749811	0.290150264	0.1	0.82	0.913625152	10.9611076	31896.16565
940.6	0.474293959	2.831724651	0.290277165	0.1	0.82	0.914024737	10.96589934	31907.13155
940.8	0.47445731	2.832699925	0.290404239	0.1	0.82	0.914424869	10.97069764	31918.10225
941	0.474620735	2.833675634	0.290531488	0.1	0.82	0.914825549	10.97550251	31929.07775
941.2	0.474784232	2.834651777	0.290658911	0.1	0.82	0.915226779	10.98031397	31940.05807
941.4	0.474947802	2.835628355	0.290786509	0.1	0.82	0.91562856	10.98513203	31951.0432
941.6	0.475111445	2.83660537	0.290914283	0.1	0.82	0.916030893	10.98995672	31962.03316
941.8	0.475275161	2.837582821	0.291042232	0.1	0.82	0.91643378	10.99478804	31973.02794
942	0.47543895	2.838560709	0.291170357	0.1	0.82	0.916837221	10.999626	31984.02757
942.2	0.475602813	2.839539035	0.291298659	0.1	0.82	0.917241219	11.00447064	31995.03204
942.4	0.475766749	2.8405178	0.291427138	0.1	0.82	0.917645773	11.00932195	32006.04136
942.6	0.475930759	2.841497003	0.291555795	0.1	0.82	0.918050887	11.01417996	32017.05554
942.8	0.476094842	2.842476646	0.291684629	0.1	0.82	0.91845656	11.01904468	32028.07459
943	0.476258999	2.84345673	0.291813642	0.1	0.82	0.918862795	11.02391613	32039.0985
943.2	0.47642323	2.844437254	0.291942833	0.1	0.82	0.919269592	11.02879432	32050.1273
943.4	0.476587535	2.84541822	0.292072203	0.1	0.82	0.919676953	11.03367927	32061.16098
943.6	0.476751914	2.846399628	0.292201753	0.1	0.82	0.920084879	11.03857099	32072.19955
943.8	0.476916367	2.847381479	0.292331482	0.1	0.82	0.920493372	11.04346951	32083.24302
944	0.477080895	2.848363773	0.292461392	0.1	0.82	0.920902433	11.04837483	32094.29139
944.2	0.477245496	2.849346512	0.292591483	0.1	0.82	0.921312062	11.05328697	32105.34468

944.4	0.477410173	2.850329695	0.292721755	0.1	0.82	0.921722262	11.05820595	32116.40289
944.6	0.477574923	2.851313323	0.292852209	0.1	0.82	0.922133034	11.06313178	32127.46602
944.8	0.477739749	2.852297397	0.292982844	0.1	0.82	0.92254438	11.06806448	32138.53408
945	0.477904649	2.853281918	0.293113662	0.1	0.82	0.922956299	11.07300407	32149.60709
945.2	0.478069624	2.854266885	0.293244663	0.1	0.82	0.923368795	11.07795056	32160.68504
945.4	0.478234675	2.855252301	0.293375847	0.1	0.82	0.923781867	11.08290397	32171.76794
945.6	0.4783998	2.856238165	0.293507215	0.1	0.82	0.924195519	11.08786432	32182.8558
945.8	0.478565	2.857224478	0.293638767	0.1	0.82	0.92460975	11.09283161	32193.94864
946	0.478730276	2.858211241	0.293770504	0.1	0.82	0.925024562	11.09780587	32205.04644
946.2	0.478895628	2.859198455	0.293902426	0.1	0.82	0.925439958	11.10278712	32216.14923
946.4	0.479061054	2.860186119	0.294034533	0.1	0.82	0.925855937	11.10777537	32227.257
946.6	0.479226557	2.861174235	0.294166826	0.1	0.82	0.926272501	11.11277063	32238.36978
946.8	0.479392135	2.862162803	0.294299305	0.1	0.82	0.926689653	11.11777293	32249.48755
947	0.479557789	2.863151824	0.294431972	0.1	0.82	0.927107392	11.12278227	32260.61033
947.2	0.479723519	2.864141299	0.294564825	0.1	0.82	0.927525722	11.12779868	32271.73813
947.4	0.479889325	2.865131228	0.294697866	0.1	0.82	0.927944642	11.13282218	32282.87095
947.6	0.480055208	2.866121612	0.294831096	0.1	0.82	0.928364155	11.13785278	32294.0088
947.8	0.480221166	2.867112452	0.294964514	0.1	0.82	0.928784261	11.14289049	32305.15169
948	0.480387201	2.868103748	0.295098121	0.1	0.82	0.929204963	11.14793534	32316.29963
948.2	0.480553313	2.8690955	0.295231917	0.1	0.82	0.929626261	11.15298734	32327.45262
948.4	0.480719501	2.870087711	0.295365904	0.1	0.82	0.930048157	11.15804651	32338.61066
948.6	0.480885766	2.871080379	0.29550008	0.1	0.82	0.930470653	11.16311286	32349.77378
948.8	0.481052108	2.872073506	0.295634448	0.1	0.82	0.93089375	11.16818642	32360.94196
949	0.481218527	2.873067093	0.295769007	0.1	0.82	0.931317449	11.17326719	32372.11523
949.2	0.481385023	2.87406114	0.295903758	0.1	0.82	0.931741752	11.17835521	32383.29359
949.4	0.481551596	2.875055648	0.296038701	0.1	0.82	0.93216666	11.18345047	32394.47704
949.6	0.481718246	2.876050617	0.296173836	0.1	0.82	0.932592175	11.18855301	32405.66559
949.8	0.481884974	2.877046049	0.296309165	0.1	0.82	0.933018298	11.19366284	32416.85925
950	0.482051779	2.878041943	0.296444687	0.1	0.82	0.933445031	11.19877997	32428.05803
950.2	0.482218662	2.879038301	0.296580404	0.1	0.82	0.933872375	11.20390443	32439.26194
950.4	0.482385623	2.880035124	0.296716314	0.1	0.82	0.934300331	11.20903623	32450.47097
950.6	0.482552662	2.881032411	0.29685242	0.1	0.82	0.934728901	11.21417539	32461.68515
950.8	0.482719778	2.882030163	0.296988722	0.1	0.82	0.935158087	11.21932193	32472.90447
951	0.482886973	2.883028382	0.297125219	0.1	0.82	0.93558789	11.22447586	32484.12895
951.2	0.483054246	2.884027068	0.297261913	0.1	0.82	0.936018312	11.22963721	32495.35858
951.4	0.483221597	2.885026222	0.297398804	0.1	0.82	0.936449353	11.23480599	32506.59339
951.6	0.483389026	2.886025843	0.297535892	0.1	0.82	0.936881016	11.23998221	32517.83337

951.8	0.483556535	2.887025934	0.297673178	0.1	0.82	0.937313302	11.24516591	32529.07854
952	0.483724121	2.888026495	0.297810662	0.1	0.82	0.937746212	11.25035709	32540.32889
952.2	0.483891787	2.889027526	0.297948345	0.1	0.82	0.938179749	11.25555577	32551.58445
952.4	0.484059532	2.890029028	0.298086227	0.1	0.82	0.938613913	11.26076197	32562.84521
952.6	0.484227355	2.891031001	0.29822431	0.1	0.82	0.939048706	11.26597571	32574.11119
952.8	0.484395258	2.892033447	0.298362592	0.1	0.82	0.93948413	11.27119701	32585.38238
953	0.48456324	2.893036367	0.298501075	0.1	0.82	0.939920186	11.27642589	32596.65881
953.2	0.484731301	2.89403976	0.29863976	0.1	0.82	0.940356875	11.28166237	32607.94047
953.4	0.484899442	2.895043628	0.298778646	0.1	0.82	0.9407942	11.28690645	32619.22738
953.6	0.485067662	2.89604797	0.298917734	0.1	0.82	0.941232162	11.29215817	32630.51954
953.8	0.485235962	2.897052789	0.299057025	0.1	0.82	0.941670762	11.29741754	32641.81696
954	0.485404342	2.898058085	0.29919652	0.1	0.82	0.942110002	11.30268458	32653.11964
954.2	0.485572802	2.899063858	0.299336218	0.1	0.82	0.942549883	11.30795931	32664.4276
954.4	0.485741342	2.900070109	0.29947612	0.1	0.82	0.942990408	11.31324175	32675.74084
954.6	0.485909962	2.901076839	0.299616227	0.1	0.82	0.943431577	11.31853191	32687.05937
954.8	0.486078663	2.902084048	0.29975654	0.1	0.82	0.943873393	11.32382982	32698.3832
955	0.486247444	2.903091738	0.299897058	0.1	0.82	0.944315856	11.32913549	32709.71234
955.2	0.486416305	2.904099908	0.300037782	0.1	0.82	0.944758969	11.33444895	32721.04679
955.4	0.486585247	2.90510856	0.300178713	0.1	0.82	0.945202732	11.33977021	32732.38656
955.6	0.48675427	2.906117695	0.300319852	0.1	0.82	0.945647149	11.34509929	32743.73166
955.8	0.486923374	2.907127313	0.300461198	0.1	0.82	0.94609222	11.35043621	32755.08209
956	0.487092559	2.908137414	0.300602752	0.1	0.82	0.946537946	11.355781	32766.43787
956.2	0.487261825	2.909148	0.300744515	0.1	0.82	0.94698433	11.36113366	32777.79901
956.4	0.487431172	2.910159072	0.300886488	0.1	0.82	0.947431374	11.36649422	32789.1655
956.6	0.487600601	2.911170629	0.30102867	0.1	0.82	0.947879078	11.37186271	32800.53736
956.8	0.487770111	2.912182673	0.301171063	0.1	0.82	0.948327444	11.37723913	32811.9146
957	0.487939703	2.913195204	0.301313667	0.1	0.82	0.948776475	11.38262351	32823.29723
957.2	0.488109377	2.914208224	0.301456482	0.1	0.82	0.949226171	11.38801587	32834.68524
957.4	0.488279133	2.915221733	0.301599509	0.1	0.82	0.949676534	11.39341623	32846.07866
957.6	0.48844897	2.916235731	0.301742749	0.1	0.82	0.950127567	11.39882461	32857.47748
957.8	0.48861889	2.91725022	0.301886201	0.1	0.82	0.950579271	11.40424103	32868.88172
958	0.488788892	2.9182652	0.302029867	0.1	0.82	0.951031646	11.4096655	32880.29139
958.2	0.488958976	2.919280672	0.302173748	0.1	0.82	0.951484696	11.41509806	32891.70649
958.4	0.489129143	2.920296637	0.302317842	0.1	0.82	0.951938422	11.42053871	32903.12703
958.6	0.489299393	2.921313095	0.302462152	0.1	0.82	0.952392825	11.42598748	32914.55301
958.8	0.489469725	2.922330047	0.302606678	0.1	0.82	0.952847907	11.4314444	32925.98446
959	0.48964014	2.923347494	0.30275142	0.1	0.82	0.953303671	11.43690947	32937.42137

959.2	0.489810639	2.924365436	0.302896378	0.1	0.82	0.953760116	11.44238272	32948.86375
959.4	0.48998122	2.925383876	0.303041554	0.1	0.82	0.954217247	11.44786418	32960.31162
959.6	0.490151885	2.926402812	0.303186948	0.1	0.82	0.954675063	11.45335386	32971.76497
959.8	0.490322633	2.927422246	0.303332561	0.1	0.82	0.955133567	11.45885178	32983.22382
960	0.490493464	2.928442179	0.303478392	0.1	0.82	0.95559276	11.46435796	32994.68818
960.2	0.49066438	2.929462611	0.303624443	0.1	0.82	0.956052645	11.46987243	33006.15805
960.4	0.490835379	2.930483544	0.303770713	0.1	0.82	0.956513223	11.4753952	33017.63345
960.6	0.491006461	2.931504978	0.303917205	0.1	0.82	0.956974495	11.4809263	33029.11437
960.8	0.491177628	2.932526913	0.304063918	0.1	0.82	0.957436464	11.48646575	33040.60084
961	0.49134888	2.933549351	0.304210852	0.1	0.82	0.957899131	11.49201357	33052.09285
961.2	0.491520215	2.934572292	0.304358009	0.1	0.82	0.958362499	11.49756978	33063.59042
961.4	0.491691635	2.935595738	0.304505389	0.1	0.82	0.958826568	11.5031344	33075.09356
961.6	0.491863139	2.936619688	0.304652992	0.1	0.82	0.959291341	11.50870745	33086.60226
961.8	0.492034729	2.937644144	0.304800819	0.1	0.82	0.959756819	11.51428896	33098.11655
962	0.492206403	2.938669106	0.304948871	0.1	0.82	0.960223004	11.51987894	33109.63643
962.2	0.492378162	2.939694576	0.305097148	0.1	0.82	0.960689899	11.52547742	33121.16191
962.4	0.492550006	2.940720553	0.305245651	0.1	0.82	0.961157504	11.53108442	33132.69299
962.6	0.492721935	2.941747039	0.30539438	0.1	0.82	0.961625822	11.53669996	33144.22969
962.8	0.492893949	2.942774035	0.305543336	0.1	0.82	0.962094855	11.54232406	33155.77202
963	0.493066049	2.943801541	0.305692519	0.1	0.82	0.962564604	11.54795675	33167.31997
963.2	0.493238235	2.944829559	0.305841931	0.1	0.82	0.963035071	11.55359805	33178.87357
963.4	0.493410507	2.945858088	0.305991571	0.1	0.82	0.963506258	11.55924797	33190.43282
963.6	0.493582864	2.94688713	0.30614144	0.1	0.82	0.963978167	11.56490655	33201.99773
963.8	0.493755307	2.947916686	0.30629154	0.1	0.82	0.9644508	11.5705738	33213.5683
964	0.493927837	2.948946756	0.306441869	0.1	0.82	0.964924158	11.57624975	33225.14455
964.2	0.494100452	2.949977341	0.30659243	0.1	0.82	0.965398244	11.58193441	33236.72648
964.4	0.494273155	2.951008442	0.306743223	0.1	0.82	0.965873059	11.58762782	33248.31411
964.6	0.494445943	2.95204006	0.306894247	0.1	0.82	0.966348606	11.59332999	33259.90744
964.8	0.494618819	2.953072196	0.307045505	0.1	0.82	0.966824885	11.59904095	33271.50648
965	0.494791781	2.95410485	0.307196996	0.1	0.82	0.9673019	11.60476071	33283.11124
965.2	0.49496483	2.955138023	0.307348721	0.1	0.82	0.967779651	11.61048931	33294.72173
965.4	0.495137967	2.956171716	0.30750068	0.1	0.82	0.968258142	11.61622676	33306.33796
965.6	0.49531119	2.95720593	0.307652875	0.1	0.82	0.968737373	11.62197309	33317.95993
965.8	0.495484501	2.958240666	0.307805306	0.1	0.82	0.969217347	11.62772832	33329.58766
966	0.4956579	2.959275924	0.307957973	0.1	0.82	0.969698066	11.63349248	33341.22115
966.2	0.495831386	2.960311705	0.308110877	0.1	0.82	0.970179531	11.63926558	33352.86042
966.4	0.49600496	2.961348011	0.30826402	0.1	0.82	0.970661745	11.64504765	33364.50547

966.6	0.496178622	2.962384842	0.3084174	0.1	0.82	0.971144709	11.65083872	33376.15631
966.8	0.496352371	2.963422198	0.308571019	0.1	0.82	0.971628426	11.65663881	33387.81294
967	0.49652621	2.964460082	0.308724878	0.1	0.82	0.972112897	11.66244794	33399.47539
967.2	0.496700136	2.965498492	0.308878978	0.1	0.82	0.972598125	11.66826613	33411.14366
967.4	0.496874151	2.966537431	0.309033318	0.1	0.82	0.973084111	11.67409341	33422.81775
967.6	0.497048255	2.967576899	0.309187899	0.1	0.82	0.973570857	11.67992981	33434.49768
967.8	0.497222447	2.968616897	0.309342723	0.1	0.82	0.974058366	11.68577534	33446.18346
968	0.497396728	2.969657427	0.309497789	0.1	0.82	0.974546639	11.69163003	33457.87509
968.2	0.497571099	2.970698487	0.309653099	0.1	0.82	0.975035679	11.69749391	33469.57258
968.4	0.497745558	2.971740081	0.309808653	0.1	0.82	0.975525487	11.703367	33481.27595
968.6	0.497920107	2.972782207	0.309964452	0.1	0.82	0.976016066	11.70924932	33492.9852
968.8	0.498094745	2.973824868	0.310120496	0.1	0.82	0.976507417	11.7151409	33504.70034
969	0.498269473	2.974868064	0.310276786	0.1	0.82	0.976999543	11.72104176	33516.42138
969.2	0.498444291	2.975911796	0.310433322	0.1	0.82	0.977492445	11.72695193	33528.14833
969.4	0.498619199	2.976956065	0.310590106	0.1	0.82	0.977986126	11.73287143	33539.8812
969.6	0.498794197	2.978000872	0.310747138	0.1	0.82	0.978480588	11.73880029	33551.62
969.8	0.498969285	2.979046217	0.310904418	0.1	0.82	0.978975833	11.74473852	33563.36474
970	0.499144463	2.980092102	0.311061948	0.1	0.82	0.979471862	11.75068617	33575.11543
970.2	0.499319732	2.981138527	0.311219728	0.1	0.82	0.979968679	11.75664325	33586.87207
970.4	0.499495091	2.982185493	0.311377758	0.1	0.82	0.980466285	11.76260978	33598.63468
970.6	0.499670542	2.983233002	0.31153604	0.1	0.82	0.980964682	11.7685858	33610.40327
970.8	0.499846083	2.984281053	0.311694573	0.1	0.82	0.981463872	11.77457132	33622.17784
971	0.500021715	2.985329648	0.311853359	0.1	0.82	0.981963858	11.78056638	33633.95841
971.2	0.500197439	2.986378788	0.312012399	0.1	0.82	0.982464641	11.78657099	33645.74498
971.4	0.500373254	2.987428473	0.312171692	0.1	0.82	0.982966224	11.79258519	33657.53756
971.6	0.50054916	2.988478705	0.31233124	0.1	0.82	0.983468609	11.798609	33669.33617
971.8	0.500725158	2.989529484	0.312491044	0.1	0.82	0.983971798	11.80464244	33681.14081
972	0.500901248	2.990580812	0.312651103	0.1	0.82	0.984475793	11.81068555	33692.9515
972.2	0.50107743	2.991632688	0.312811419	0.1	0.82	0.984980597	11.81673834	33704.76824
972.4	0.501253704	2.992685115	0.312971993	0.1	0.82	0.985486211	11.82280085	33716.59104
972.6	0.50143007	2.993738093	0.313132825	0.1	0.82	0.985992638	11.82887309	33728.41991
972.8	0.501606529	2.994791622	0.313293915	0.1	0.82	0.98649988	11.83495511	33740.25487
973	0.501783081	2.995845705	0.313455265	0.1	0.82	0.987007939	11.84104691	33752.09591
973.2	0.501959725	2.996900341	0.313616875	0.1	0.82	0.987516817	11.84714854	33763.94306
973.4	0.502136462	2.997955532	0.313778747	0.1	0.82	0.988026517	11.85326001	33775.79632
973.6	0.502313292	2.999011278	0.313940879	0.1	0.82	0.988537041	11.85938135	33787.6557
973.8	0.502490215	3.00006758	0.314103275	0.1	0.82	0.989048391	11.86551259	33799.52122

974	0.502667232	3.00112444	0.314265933	0.1	0.82	0.989560569	11.87165376	33811.39287
974.2	0.502844342	3.002181859	0.314428855	0.1	0.82	0.990073578	11.87780488	33823.27067
974.4	0.503021546	3.003239836	0.314592041	0.1	0.82	0.990587419	11.88396598	33835.15464
974.6	0.503198843	3.004298373	0.314755493	0.1	0.82	0.991102096	11.89013709	33847.04478
974.8	0.503376235	3.005357472	0.314919211	0.1	0.82	0.99161761	11.89631824	33858.9411
975	0.50355372	3.006417133	0.315083195	0.1	0.82	0.992133964	11.90250945	33870.8436
975.2	0.5037313	3.007477356	0.315247447	0.1	0.82	0.99265116	11.90871074	33882.75232
975.4	0.503908975	3.008538143	0.315411966	0.1	0.82	0.9931692	11.91492216	33894.66724
975.6	0.504086744	3.009599495	0.315576755	0.1	0.82	0.993688087	11.92114372	33906.58838
975.8	0.504264608	3.010661413	0.315741813	0.1	0.82	0.994207822	11.92737545	33918.51576
976	0.504442566	3.011723898	0.315907142	0.1	0.82	0.994728409	11.93361739	33930.44937
976.2	0.50462062	3.01278695	0.316072742	0.1	0.82	0.99524985	11.93986955	33942.38924
976.4	0.504798769	3.01385057	0.316238614	0.1	0.82	0.995772146	11.94613198	33954.33538
976.6	0.504977013	3.01491476	0.316404758	0.1	0.82	0.996295301	11.95240468	33966.28778
976.8	0.505155353	3.015979521	0.316571175	0.1	0.82	0.996819317	11.95868771	33978.24647
977	0.505333789	3.017044853	0.316737867	0.1	0.82	0.997344195	11.96498107	33990.21145
977.2	0.50551232	3.018110758	0.316904833	0.1	0.82	0.99786994	11.97128481	34002.18273
977.4	0.505690948	3.019177235	0.317072076	0.1	0.82	0.998396552	11.97759895	34014.16033
977.6	0.505869672	3.020244288	0.317239594	0.1	0.82	0.998924034	11.98392351	34026.14426
977.8	0.506048492	3.021311915	0.31740739	0.1	0.82	0.999452389	11.99025854	34038.13451
978	0.506227408	3.022380119	0.317575463	0.1	0.82	0.999981619	11.99660405	34050.13112
978.2	0.506406422	3.023448899	0.317743816	0.1	0.82	1.000511727	12.00296008	34062.13408
978.4	0.506585532	3.024518259	0.317912448	0.1	0.82	1.001042715	12.00932665	34074.14341
978.6	0.506764739	3.025588197	0.31808136	0.1	0.82	1.001574586	12.0157038	34086.15911
978.8	0.506944043	3.026658715	0.318250553	0.1	0.82	1.002107341	12.02209156	34098.1812
979	0.507123445	3.027729815	0.318420028	0.1	0.82	1.002640984	12.02848995	34110.20969
979.2	0.507302944	3.028801497	0.318589785	0.1	0.82	1.003175516	12.034899	34122.24459
979.4	0.507482541	3.029873762	0.318759826	0.1	0.82	1.003710942	12.04131875	34134.28591
979.6	0.507662235	3.030946611	0.318930152	0.1	0.82	1.004247262	12.04774922	34146.33366
979.8	0.507842028	3.032020045	0.319100762	0.1	0.82	1.004784479	12.05419045	34158.38785
980	0.508021919	3.033094065	0.319271658	0.1	0.82	1.005322597	12.06064246	34170.44849
980.2	0.508201908	3.034168672	0.319442841	0.1	0.82	1.005861617	12.06710528	34182.5156
980.4	0.508381996	3.035243868	0.319614311	0.1	0.82	1.006401542	12.07357895	34194.58918
980.6	0.508562182	3.036319653	0.319786069	0.1	0.82	1.006942375	12.0800635	34206.66924
980.8	0.508742467	3.037396027	0.319958117	0.1	0.82	1.007484118	12.08655895	34218.7558
981	0.508922852	3.038472993	0.320130454	0.1	0.82	1.008026773	12.09306534	34230.84886
981.2	0.509103335	3.039550551	0.320303082	0.1	0.82	1.008570344	12.0995827	34242.94845

981.4	0.509283918	3.040628703	0.320476001	0.1	0.82	1.009114833	12.10611106	34255.05456
981.6	0.5094646	3.041707448	0.320649213	0.1	0.82	1.009660243	12.11265045	34267.16721
981.8	0.509645382	3.042786789	0.320822718	0.1	0.82	1.010206575	12.11920091	34279.28641
982	0.509826264	3.043866726	0.320996517	0.1	0.82	1.010753834	12.12576245	34291.41217
982.2	0.510007246	3.044947261	0.321170611	0.1	0.82	1.011302021	12.13233513	34303.54451
982.4	0.510188328	3.046028393	0.321345001	0.1	0.82	1.011851139	12.13891896	34315.68342
982.6	0.510369511	3.047110126	0.321519687	0.1	0.82	1.01240119	12.14551398	34327.82894
982.8	0.510550794	3.048192458	0.321694671	0.1	0.82	1.012952179	12.15212021	34339.98106
983	0.510732177	3.049275392	0.321869952	0.1	0.82	1.013504106	12.15873771	34352.1398
983.2	0.510913662	3.050358929	0.322045533	0.1	0.82	1.014056975	12.16536649	34364.30516
983.4	0.511095248	3.051443069	0.322221414	0.1	0.82	1.014610789	12.17200658	34376.47717
983.6	0.511276935	3.052527813	0.322397596	0.1	0.82	1.015165549	12.17865803	34388.65583
983.8	0.511458724	3.053613164	0.322574079	0.1	0.82	1.01572126	12.18532086	34400.84115
984	0.511640614	3.054699121	0.322750865	0.1	0.82	1.016277924	12.1919951	34413.03314
984.2	0.511822606	3.055785686	0.322927954	0.1	0.82	1.016835542	12.1986808	34425.23182
984.4	0.5120047	3.056872859	0.323105348	0.1	0.82	1.01739412	12.20537797	34437.4372
984.6	0.512186896	3.057960643	0.323283047	0.1	0.82	1.017953657	12.21208666	34449.64929
984.8	0.512369194	3.059049038	0.323461052	0.1	0.82	1.018514159	12.2188069	34461.8681
985	0.512551595	3.060138044	0.323639363	0.1	0.82	1.019075627	12.22553872	34474.09363
985.2	0.512734099	3.061227664	0.323817983	0.1	0.82	1.019638065	12.23228216	34486.32592
985.4	0.512916705	3.062317898	0.323996911	0.1	0.82	1.020201475	12.23903724	34498.56495
985.6	0.513099415	3.063408748	0.32417615	0.1	0.82	1.02076586	12.24580401	34510.81076
985.8	0.513282228	3.064500213	0.324355698	0.1	0.82	1.021331222	12.25258249	34523.06334
986	0.513465144	3.065592297	0.324535558	0.1	0.82	1.021897565	12.25937272	34535.32271
986.2	0.513648164	3.066684999	0.32471573	0.1	0.82	1.022464892	12.26617474	34547.58889
986.4	0.513831288	3.06777832	0.324896216	0.1	0.82	1.023033205	12.27298858	34559.86188
986.6	0.514014515	3.068872262	0.325077016	0.1	0.82	1.023602508	12.27981428	34572.14169
986.8	0.514197847	3.069966827	0.325258131	0.1	0.82	1.024172802	12.28665186	34584.42834
987	0.514381283	3.071062014	0.325439562	0.1	0.82	1.024744092	12.29350136	34596.72184
987.2	0.514564824	3.072157825	0.32562131	0.1	0.82	1.02531638	12.30036283	34609.02221
987.4	0.514748469	3.073254262	0.325803375	0.1	0.82	1.025889668	12.30723629	34621.32944
987.6	0.51493222	3.074351325	0.32598576	0.1	0.82	1.026463961	12.31412178	34633.64356
987.8	0.515116075	3.075449015	0.326168464	0.1	0.82	1.02703926	12.32101933	34645.96458
988	0.515300036	3.076547334	0.326351489	0.1	0.82	1.02761557	12.32792898	34658.29251
988.2	0.515484102	3.077646282	0.326534836	0.1	0.82	1.028192892	12.33485077	34670.62736
988.4	0.515668274	3.078745862	0.326718505	0.1	0.82	1.028771229	12.34178473	34682.96915
988.6	0.515852551	3.079846073	0.326902498	0.1	0.82	1.029350586	12.34873089	34695.31788

988.8	0.516036935	3.080946918	0.327086815	0.1	0.82	1.029930965	12.3556893	34707.67357
989	0.516221425	3.082048396	0.327271458	0.1	0.82	1.030512368	12.36265999	34720.03623
989.2	0.516406021	3.083150511	0.327456428	0.1	0.82	1.031094799	12.369643	34732.40587
989.4	0.516590724	3.084253261	0.327641724	0.1	0.82	1.031678261	12.37663836	34744.78251
989.6	0.516775534	3.08535665	0.327827349	0.1	0.82	1.032262758	12.38364611	34757.16616
989.8	0.516960451	3.086460677	0.328013304	0.1	0.82	1.032848291	12.39066629	34769.55682
990	0.517145475	3.087565344	0.328199589	0.1	0.82	1.033434864	12.39769893	34781.95452
990.2	0.517330606	3.088670652	0.328386205	0.1	0.82	1.034022481	12.40474407	34794.35927
990.4	0.517515845	3.089776603	0.328573153	0.1	0.82	1.034611145	12.41180176	34806.77107
990.6	0.517701192	3.090883197	0.328760435	0.1	0.82	1.035200858	12.41887201	34819.18994
990.8	0.517886647	3.091990436	0.328948051	0.1	0.82	1.035791623	12.42595488	34831.61589
991	0.51807221	3.093098321	0.329136003	0.1	0.82	1.036383445	12.43305041	34844.04894
991.2	0.518257881	3.094206853	0.32932429	0.1	0.82	1.036976325	12.44015862	34856.4891
991.4	0.518443661	3.095316033	0.329512915	0.1	0.82	1.037570268	12.44727956	34868.93638
991.6	0.518629549	3.096425862	0.329701879	0.1	0.82	1.038165276	12.45441327	34881.3908
991.8	0.518815547	3.097536342	0.329891182	0.1	0.82	1.038761353	12.46155978	34893.85236
992	0.519001654	3.098647474	0.330080825	0.1	0.82	1.039358502	12.46871913	34906.32108
992.2	0.51918787	3.099759259	0.33027081	0.1	0.82	1.039956726	12.47589137	34918.79697
992.4	0.519374196	3.100871698	0.330461137	0.1	0.82	1.040556029	12.48307653	34931.28004
992.6	0.519560631	3.101984792	0.330651808	0.1	0.82	1.041156413	12.49027465	34943.77032
992.8	0.519747177	3.103098543	0.330842823	0.1	0.82	1.041757882	12.49748577	34956.2678
993	0.519933832	3.104212952	0.331034184	0.1	0.82	1.042360439	12.50470993	34968.77251
993.2	0.520120598	3.105328019	0.331225892	0.1	0.82	1.042964088	12.51194716	34981.28446
993.4	0.520307475	3.106443747	0.331417947	0.1	0.82	1.043568832	12.51919752	34993.80366
993.6	0.520494462	3.107560137	0.331610351	0.1	0.82	1.044174674	12.52646103	35006.33012
993.8	0.520681561	3.108677189	0.331803105	0.1	0.82	1.044781617	12.53373775	35018.86386
994	0.52086877	3.109794905	0.33199621	0.1	0.82	1.045389666	12.5410277	35031.40488
994.2	0.521056091	3.110913286	0.332189667	0.1	0.82	1.045998823	12.54833093	35043.95322
994.4	0.521243524	3.112032334	0.332383477	0.1	0.82	1.046609092	12.55564749	35056.50886
994.6	0.521431068	3.113152049	0.332577641	0.1	0.82	1.047220475	12.5629774	35069.07184
994.8	0.521618725	3.114272434	0.33277216	0.1	0.82	1.047832978	12.57032072	35081.64216
995	0.521806493	3.115393488	0.332967036	0.1	0.82	1.048446602	12.57767748	35094.21984
995.2	0.521994375	3.116515214	0.333162269	0.1	0.82	1.049061352	12.58504773	35106.80489
995.4	0.522182368	3.117637612	0.33335786	0.1	0.82	1.049677231	12.5924315	35119.39732
995.6	0.522370475	3.118760685	0.333553812	0.1	0.82	1.050294242	12.59982884	35131.99715
995.8	0.522558695	3.119884432	0.333750124	0.1	0.82	1.05091239	12.60723979	35144.60439
996	0.522747028	3.121008856	0.333946798	0.1	0.82	1.051531677	12.6146644	35157.21905

996.2	0.522935475	3.122133958	0.334143835	0.1	0.82	1.052152106	12.6221027	35169.84115
996.4	0.523124035	3.123259739	0.334341236	0.1	0.82	1.052773683	12.62955474	35182.47071
996.6	0.523312709	3.1243862	0.334539002	0.1	0.82	1.053396409	12.63702055	35195.10773
996.8	0.523501498	3.125513343	0.334737135	0.1	0.82	1.05402029	12.64450019	35207.75223
997	0.523690401	3.126641168	0.334935635	0.1	0.82	1.054645327	12.6519937	35220.40422
997.2	0.523879418	3.127769678	0.335134504	0.1	0.82	1.055271526	12.65950112	35233.06372
997.4	0.52406855	3.128898873	0.335333743	0.1	0.82	1.055898889	12.66702248	35245.73075
997.6	0.524257798	3.130028755	0.335533352	0.1	0.82	1.05652742	12.67455785	35258.4053
997.8	0.52444716	3.131159325	0.335733334	0.1	0.82	1.057157123	12.68210725	35271.08741
998	0.524636638	3.132290585	0.335933689	0.1	0.82	1.057788001	12.68967074	35283.77708
998.2	0.524826232	3.133422535	0.336134419	0.1	0.82	1.058420059	12.69724836	35296.47433
998.4	0.525015942	3.134555177	0.336335525	0.1	0.82	1.0590533	12.70484015	35309.17917
998.6	0.525205767	3.135688513	0.336537007	0.1	0.82	1.059687727	12.71244616	35321.89162
998.8	0.525395709	3.136822543	0.336738867	0.1	0.82	1.060323345	12.72006643	35334.61168
999	0.525585768	3.13795727	0.336941107	0.1	0.82	1.060960157	12.72770101	35347.33938
999.2	0.525775944	3.139092693	0.337143727	0.1	0.82	1.061598167	12.73534994	35360.07473
999.4	0.525966236	3.140228816	0.337346728	0.1	0.82	1.062237378	12.74301327	35372.81775
999.6	0.526156646	3.141365638	0.337550113	0.1	0.82	1.062877795	12.75069104	35385.56844
999.8	0.526347173	3.142503162	0.337753881	0.1	0.82	1.063519422	12.7583833	35398.32682
1000	0.526537818	3.143641389	0.337958035	0.1	0.82	1.064162262	12.7660901	35411.09291
1000.2	0.526728581	3.14478032	0.338162576	0.1	0.82	1.064806318	12.77381148	35423.86672
1000.4	0.526919462	3.145919956	0.338367504	0.1	0.82	1.065451596	12.78154749	35436.64827
1000.6	0.527110461	3.147060299	0.338572821	0.1	0.82	1.066098098	12.78929817	35449.43757
1000.8	0.52730158	3.148201351	0.338778528	0.1	0.82	1.06674583	12.79706357	35462.23463
1001	0.527492816	3.149343111	0.338984627	0.1	0.82	1.067394794	12.80484374	35475.03948
1001.2	0.527684172	3.150485583	0.339191119	0.1	0.82	1.068044994	12.81263873	35487.85212
1001.4	0.527875648	3.151628768	0.339398004	0.1	0.82	1.068696435	12.82044858	35500.67256
1001.6	0.528067243	3.152772666	0.339605285	0.1	0.82	1.069349121	12.82827334	35513.50084
1001.8	0.528258957	3.153917279	0.339812962	0.1	0.82	1.070003055	12.83611306	35526.33695
1002	0.528450792	3.155062609	0.340021037	0.1	0.82	1.070658242	12.84396778	35539.18092
1002.2	0.528642747	3.156208657	0.340229511	0.1	0.82	1.071314685	12.85183757	35552.03276
1002.4	0.528834822	3.157355424	0.340438386	0.1	0.82	1.07197239	12.85972245	35564.89248
1002.6	0.529027019	3.158502912	0.340647662	0.1	0.82	1.072631359	12.86762249	35577.7601
1002.8	0.529219336	3.159651122	0.340857341	0.1	0.82	1.073291596	12.87553773	35590.63564
1003	0.529411774	3.160800056	0.341067425	0.1	0.82	1.073953107	12.88346822	35603.51911
1003.2	0.529604334	3.161949715	0.341277914	0.1	0.82	1.074615895	12.89141401	35616.41052
1003.4	0.529797015	3.1631001	0.34148881	0.1	0.82	1.075279964	12.89937515	35629.3099

1003.6	0.529989819	3.164251213	0.341700114	0.1	0.82	1.075945318	12.90735169	35642.21725
1003.8	0.530182744	3.165403056	0.341911827	0.1	0.82	1.076611962	12.91534368	35655.13259
1004	0.530375792	3.166555629	0.342123952	0.1	0.82	1.0772799	12.92335118	35668.05594
1004.2	0.530568963	3.167708935	0.342336489	0.1	0.82	1.077949136	12.93137422	35680.98732
1004.4	0.530762256	3.168862974	0.342549439	0.1	0.82	1.078619674	12.93941286	35693.92673
1004.6	0.530955673	3.170017749	0.342762805	0.1	0.82	1.079291519	12.94746716	35706.8742
1004.8	0.531149213	3.17117326	0.342976586	0.1	0.82	1.079964675	12.95553716	35719.82973
1005	0.531342876	3.17232951	0.343190785	0.1	0.82	1.080639145	12.96362292	35732.79336
1005.2	0.531536664	3.173486499	0.343405404	0.1	0.82	1.081314935	12.97172448	35745.76508
1005.4	0.531730576	3.174644229	0.343620442	0.1	0.82	1.081992049	12.97984191	35758.74492
1005.6	0.531924612	3.175802702	0.343835903	0.1	0.82	1.082670491	12.98797524	35771.7329
1005.8	0.532118772	3.176961918	0.344051787	0.1	0.82	1.083350266	12.99612454	35784.72902
1006	0.532313058	3.178121881	0.344268095	0.1	0.82	1.084031377	13.00428986	35797.73331
1006.2	0.532507469	3.17928259	0.344484829	0.1	0.82	1.08471383	13.01247124	35810.74578
1006.4	0.532702005	3.180444048	0.344701991	0.1	0.82	1.085397629	13.02066875	35823.76645
1006.6	0.532896666	3.181606256	0.344919581	0.1	0.82	1.086082778	13.02888244	35836.79533
1006.8	0.533091454	3.182769216	0.345137602	0.1	0.82	1.086769281	13.03711236	35849.83245
1007	0.533286368	3.183932929	0.345356055	0.1	0.82	1.087457144	13.04535856	35862.87781
1007.2	0.533481408	3.185097396	0.34557494	0.1	0.82	1.088146371	13.05362109	35875.93143
1007.4	0.533676574	3.18626262	0.34579426	0.1	0.82	1.088836966	13.06190003	35888.99333
1007.6	0.533871868	3.187428601	0.346014016	0.1	0.82	1.089528935	13.07019541	35902.06352
1007.8	0.534067289	3.188595342	0.34623421	0.1	0.82	1.09022228	13.07850729	35915.14203
1008	0.534262837	3.189762843	0.346454842	0.1	0.82	1.090917008	13.08683573	35928.22887
1008.2	0.534458513	3.190931107	0.346675915	0.1	0.82	1.091613122	13.09518078	35941.32405
1008.4	0.534654317	3.192100135	0.34689743	0.1	0.82	1.092310628	13.1035425	35954.42759
1008.6	0.534850249	3.193269928	0.347119388	0.1	0.82	1.09300953	13.11192095	35967.53951
1008.8	0.53504631	3.194440488	0.347341792	0.1	0.82	1.093709833	13.12031618	35980.65983
1009	0.535242499	3.195611817	0.347564641	0.1	0.82	1.094411542	13.12872825	35993.78855
1009.2	0.535438818	3.196783916	0.347787938	0.1	0.82	1.09511466	13.13715721	36006.92571
1009.4	0.535635265	3.197956787	0.348011685	0.1	0.82	1.095819194	13.14560313	36020.07131
1009.6	0.535831842	3.199130431	0.348235883	0.1	0.82	1.096525148	13.15406605	36033.22538
1009.8	0.536028549	3.200304851	0.348460533	0.1	0.82	1.097232526	13.16254604	36046.38793
1010	0.536225386	3.201480047	0.348685637	0.1	0.82	1.097941334	13.17104316	36059.55897
1010.2	0.536422354	3.202656021	0.348911197	0.1	0.82	1.098651576	13.17955746	36072.73853
1010.4	0.536619452	3.203832775	0.349137213	0.1	0.82	1.099363257	13.188089	36085.92662
1010.6	0.536816681	3.20501031	0.349363689	0.1	0.82	1.100076383	13.19663784	36099.12325
1010.8	0.537014041	3.206188629	0.349590624	0.1	0.82	1.100790957	13.20520404	36112.32846

1011	0.537211532	3.207367732	0.349818021	0.1	0.82	1.101506986	13.21378766	36125.54225
1011.2	0.537409155	3.208547621	0.350045882	0.1	0.82	1.102224474	13.22238876	36138.76463
1011.4	0.537606911	3.209728299	0.350274208	0.1	0.82	1.102943425	13.23100739	36151.99564
1011.6	0.537804798	3.210909766	0.350503	0.1	0.82	1.103663846	13.23964363	36165.23529
1011.8	0.538002818	3.212092024	0.35073226	0.1	0.82	1.104385741	13.24829752	36178.48358
1012	0.538200971	3.213275075	0.35096199	0.1	0.82	1.105109115	13.25696914	36191.74055
1012.2	0.538399257	3.214458921	0.351192192	0.1	0.82	1.105833973	13.26565853	36205.00621
1012.4	0.538597676	3.215643563	0.351422866	0.1	0.82	1.106560321	13.27436577	36218.28058
1012.6	0.538796229	3.216829003	0.351654015	0.1	0.82	1.107288163	13.28309091	36231.56367
1012.8	0.538994915	3.218015243	0.351885641	0.1	0.82	1.108017505	13.29183401	36244.8555
1013	0.539193736	3.219202284	0.352117744	0.1	0.82	1.108748352	13.30059515	36258.1561
1013.2	0.539392692	3.220390128	0.352350327	0.1	0.82	1.10948071	13.30937437	36271.46547
1013.4	0.539591782	3.221578777	0.352583391	0.1	0.82	1.110214582	13.31817175	36284.78364
1013.6	0.539791008	3.222768232	0.352816938	0.1	0.82	1.110949975	13.32698734	36298.11063
1013.8	0.539990368	3.223958496	0.35305097	0.1	0.82	1.111686895	13.33582122	36311.44645
1014	0.540189865	3.225149569	0.353285488	0.1	0.82	1.112425345	13.34467344	36324.79112
1014.2	0.540389497	3.226341454	0.353520494	0.1	0.82	1.113165332	13.35354406	36338.14467
1014.4	0.540589266	3.227534152	0.35375599	0.1	0.82	1.113906862	13.36243316	36351.5071
1014.6	0.540789171	3.228727665	0.353991977	0.1	0.82	1.114649938	13.3713408	36364.87844
1014.8	0.540989213	3.229921995	0.354228458	0.1	0.82	1.115394568	13.38026704	36378.25871
1015	0.541189392	3.231117144	0.354465433	0.1	0.82	1.116140756	13.38921194	36391.64792
1015.2	0.541389708	3.232313113	0.354702905	0.1	0.82	1.116888508	13.39817558	36405.0461
1015.4	0.541590162	3.233509903	0.354940876	0.1	0.82	1.117637829	13.40715802	36418.45325
1015.6	0.541790754	3.234707518	0.355179346	0.1	0.82	1.118388725	13.41615933	36431.86941
1015.8	0.541991484	3.235905959	0.355418319	0.1	0.82	1.119141202	13.42517956	36445.29459
1016	0.542192353	3.237105226	0.355657795	0.1	0.82	1.119895265	13.4342188	36458.72881
1016.2	0.542393361	3.238305323	0.355897777	0.1	0.82	1.120650919	13.4432771	36472.17209
1016.4	0.542594508	3.239506251	0.356138266	0.1	0.82	1.121408171	13.45235454	36485.62444
1016.6	0.542795795	3.240708012	0.356379264	0.1	0.82	1.122167026	13.46145118	36499.0859
1016.8	0.542997221	3.241910608	0.356620773	0.1	0.82	1.122927489	13.47056709	36512.55646
1017	0.543198787	3.243114039	0.356862795	0.1	0.82	1.123689567	13.47970234	36526.03616
1017.2	0.543400494	3.244318309	0.357105331	0.1	0.82	1.124453266	13.488857	36539.52502
1017.4	0.543602341	3.245523419	0.357348384	0.1	0.82	1.12521859	13.49803114	36553.02305
1017.6	0.54380433	3.246729371	0.357591955	0.1	0.82	1.125985547	13.50722482	36566.53028
1017.8	0.54400646	3.247936167	0.357836046	0.1	0.82	1.126754141	13.51643812	36580.04672
1018	0.544208731	3.249143809	0.358080659	0.1	0.82	1.127524378	13.52567111	36593.57239
1018.2	0.544411145	3.250352297	0.358325796	0.1	0.82	1.128296266	13.53492386	36607.10731

1018.4	0.5446137	3.251561635	0.358571458	0.1	0.82	1.129069808	13.54419644	36620.65151
1018.6	0.544816398	3.252771825	0.358817649	0.1	0.82	1.129845013	13.55348893	36634.205
1018.8	0.545019239	3.253982867	0.359064369	0.1	0.82	1.130621884	13.56280138	36647.7678
1019	0.545222224	3.255194764	0.35931162	0.1	0.82	1.13140043	13.57213388	36661.33993
1019.2	0.545425351	3.256407518	0.359559405	0.1	0.82	1.132180654	13.5814865	36674.92142
1019.4	0.545628623	3.257621131	0.359807725	0.1	0.82	1.132962565	13.59085932	36688.51228
1019.6	0.545832039	3.258835605	0.360056583	0.1	0.82	1.133746167	13.60025239	36702.11253
1019.8	0.546035599	3.260050941	0.360305979	0.1	0.82	1.134531468	13.60966581	36715.7222
1020	0.546239304	3.261267141	0.360555917	0.1	0.82	1.135318472	13.61909964	36729.3413
1020.2	0.546443154	3.262484208	0.360806398	0.1	0.82	1.136107187	13.62855395	36742.96985
1020.4	0.54664715	3.263702143	0.361057425	0.1	0.82	1.136897618	13.63802883	36756.60788
1020.6	0.546851291	3.264920949	0.361308998	0.1	0.82	1.137689773	13.64752435	36770.2554
1020.8	0.547055579	3.266140626	0.361561121	0.1	0.82	1.138483657	13.65704058	36783.91244
1021	0.547260012	3.267361178	0.361813794	0.1	0.82	1.139279276	13.6665776	36797.57902
1021.2	0.547464593	3.268582606	0.362067021	0.1	0.82	1.140076637	13.67613548	36811.25516
1021.4	0.547669321	3.269804912	0.362320804	0.1	0.82	1.140875747	13.68571431	36824.94087
1021.6	0.547874196	3.271028098	0.362575143	0.1	0.82	1.141676612	13.69531415	36838.63618
1021.8	0.548079219	3.272252167	0.362830042	0.1	0.82	1.142479238	13.70493509	36852.34112
1022	0.548284389	3.273477119	0.363085503	0.1	0.82	1.143283631	13.71457721	36866.0557
1022.2	0.548489709	3.274702957	0.363341527	0.1	0.82	1.1440898	13.72424059	36879.77994
1022.4	0.548695177	3.275929684	0.363598116	0.1	0.82	1.144897749	13.73392529	36893.51386
1022.6	0.548900794	3.2771573	0.363855274	0.1	0.82	1.145707486	13.74363141	36907.25749
1022.8	0.54910656	3.278385809	0.364113001	0.1	0.82	1.146519017	13.75335902	36921.01085
1023	0.549312477	3.279615211	0.3643713	0.1	0.82	1.147332349	13.7631082	36934.77396
1023.2	0.549518543	3.28084551	0.364630173	0.1	0.82	1.148147489	13.77287903	36948.54684
1023.4	0.54972476	3.282076707	0.364889623	0.1	0.82	1.148964444	13.7826716	36962.32951
1023.6	0.549931128	3.283308805	0.36514965	0.1	0.82	1.149783219	13.79248598	36976.122
1023.8	0.550137646	3.284541804	0.365410259	0.1	0.82	1.150603823	13.80232226	36989.92432
1024	0.550344317	3.285775709	0.36567145	0.1	0.82	1.151426262	13.81218051	37003.7365
1024.2	0.550551139	3.287010519	0.365933226	0.1	0.82	1.152250543	13.82206083	37017.55856
1024.4	0.550758113	3.288246238	0.36619559	0.1	0.82	1.153076672	13.83196329	37031.39052
1024.6	0.55096524	3.289482868	0.366458542	0.1	0.82	1.153904658	13.84188798	37045.23241
1024.8	0.55117252	3.290720411	0.366722087	0.1	0.82	1.154734506	13.85183498	37059.08425
1025	0.551379952	3.291958868	0.366986225	0.1	0.82	1.155566224	13.86180438	37072.94605
1025.2	0.551587539	3.293198243	0.367250959	0.1	0.82	1.156399819	13.87179626	37086.81785
1025.4	0.551795279	3.294438536	0.367516291	0.1	0.82	1.157235298	13.88181071	37100.69966
1025.6	0.552003174	3.295679751	0.367782225	0.1	0.82	1.158072669	13.8918478	37114.59151

1025.8	0.552211224	3.296921889	0.368048761	0.1	0.82	1.158911938	13.90190764	37128.49341
1026	0.552419428	3.298164953	0.368315902	0.1	0.82	1.159753113	13.9119903	37142.4054
1026.2	0.552627788	3.299408944	0.368583651	0.1	0.82	1.1605962	13.92209588	37156.3275
1026.4	0.552836303	3.300653866	0.36885201	0.1	0.82	1.161441208	13.93222445	37170.25973
1026.6	0.553044975	3.301899719	0.369120981	0.1	0.82	1.162288144	13.94237611	37184.2021
1026.8	0.553253803	3.303146507	0.369390566	0.1	0.82	1.163137015	13.95255095	37198.15465
1027	0.553462788	3.304394231	0.369660769	0.1	0.82	1.163987828	13.96274906	37212.1174
1027.2	0.55367193	3.305642894	0.36993159	0.1	0.82	1.164840592	13.97297052	37226.09037
1027.4	0.55388123	3.306892497	0.370203034	0.100348846	0.820034885	1.165744904	13.98351297	37240.07388
1027.6	0.554090688	3.308143044	0.370475101	0.100816303	0.82008163	1.166668128	13.99447819	37254.06836
1027.8	0.554300304	3.309394536	0.370747795	0.101284836	0.820128484	1.167593576	14.00557023	37268.07393
1028	0.554510079	3.310646975	0.371021118	0.10175445	0.820175445	1.168521257	14.016689	37282.09062
1028.2	0.554720013	3.311900365	0.371295072	0.102225149	0.820222515	1.16945118	14.02783462	37296.11846
1028.4	0.554930106	3.313154706	0.371569661	0.102696937	0.820269694	1.170383354	14.0390072	37310.15746
1028.6	0.555140359	3.314410002	0.371844885	0.103169818	0.820316982	1.171317787	14.05020685	37324.20767
1028.8	0.555350773	3.315666254	0.372120748	0.103643796	0.82036438	1.17225449	14.06143366	37338.2691
1029	0.555561347	3.316923465	0.372397253	0.104118877	0.820411888	1.173193471	14.07268776	37352.34179
1029.2	0.555772082	3.318181637	0.372674401	0.104595063	0.820459506	1.174134739	14.08396926	37366.42576
1029.4	0.555982978	3.319440773	0.372952195	0.10507236	0.820507236	1.175078304	14.09527826	37380.52104
1029.6	0.556194036	3.320700875	0.373230639	0.105550772	0.820555077	1.176024175	14.10661488	37394.62765
1029.8	0.556405257	3.321961944	0.373509734	0.106030303	0.82060303	1.176972362	14.11797922	37408.74563
1030	0.556616639	3.323223984	0.373789482	0.106510958	0.820651096	1.177922873	14.12937141	37422.87501
1030.2	0.556828185	3.324486997	0.374069888	0.106992741	0.820699274	1.178875719	14.14079155	37437.0158
1030.4	0.557039894	3.325750985	0.374350952	0.107475656	0.820747566	1.179830909	14.15223977	37451.16804
1030.6	0.557251767	3.327015951	0.374632678	0.107959708	0.820795971	1.180788452	14.16371617	37465.33175
1030.8	0.557463804	3.328281896	0.374915069	0.108444902	0.82084449	1.181748359	14.17522086	37479.50697
1031	0.557676006	3.329548823	0.375198126	0.108931241	0.820893124	1.182710638	14.18675398	37493.69373
1031.2	0.557888372	3.330816735	0.375481853	0.109418731	0.820941873	1.1836753	14.19831563	37507.89204
1031.4	0.558100904	3.332085634	0.375766253	0.109907377	0.820990738	1.184642354	14.20990592	37522.10195
1031.6	0.558313601	3.333355523	0.376051327	0.110397182	0.821039718	1.185611811	14.22152499	37536.32347
1031.8	0.558526464	3.334626403	0.376337079	0.110888151	0.821088815	1.18658368	14.23317294	37550.55665
1032	0.558739494	3.335898278	0.376623512	0.11138029	0.821138029	1.187557971	14.24484991	37564.8015
1032.2	0.558952691	3.337171149	0.376910628	0.111873602	0.82118736	1.188534695	14.25655599	37579.05805
1032.4	0.559166056	3.33844502	0.377198429	0.112368093	0.821236809	1.189513861	14.26829133	37593.32634
1032.6	0.559379588	3.339719892	0.37748692	0.112863767	0.821286377	1.190495479	14.28005604	37607.6064
1032.8	0.559593288	3.340995768	0.377776101	0.113360629	0.821336063	1.191479561	14.29185024	37621.89825
1033	0.559807157	3.34227265	0.378065977	0.113858684	0.821385868	1.192466115	14.30367406	37636.20192

1033.2	0.560021195	3.343550542	0.37835655	0.114357936	0.821435794	1.193455153	14.31552761	37650.51745
1033.4	0.560235402	3.344829445	0.378647823	0.114858391	0.821485839	1.194446685	14.32741103	37664.84486
1033.6	0.560449779	3.346109362	0.378939798	0.115360053	0.821536005	1.195440721	14.33932444	37679.18419
1033.8	0.560664327	3.347390296	0.379232479	0.115862927	0.821586293	1.196437272	14.35126796	37693.53546
1034	0.560879045	3.348672249	0.379525868	0.116367018	0.821636702	1.197436349	14.36324173	37707.8987
1034.2	0.561093934	3.349955223	0.379819969	0.116872332	0.821687233	1.198437961	14.37524586	37722.27394
1034.4	0.561308995	3.351239222	0.380114783	0.117378872	0.821737887	1.199442121	14.38728049	37736.66122
1034.6	0.561524227	3.352524247	0.380410315	0.117886645	0.821788664	1.200448838	14.39934575	37751.06057
1034.8	0.561739633	3.353810302	0.380706567	0.118395654	0.821839565	1.201458123	14.41144176	37765.47201
1035	0.56195521	3.355097389	0.381003542	0.118905906	0.821890591	1.202469988	14.42356867	37779.89558
1035.2	0.562170962	3.35638551	0.381301243	0.119417406	0.821941741	1.203484443	14.43572659	37794.33131
1035.4	0.562386887	3.357674668	0.381599672	0.119930157	0.821993016	1.204501499	14.44791565	37808.77922
1035.6	0.562602986	3.358964866	0.381898834	0.120444167	0.822044417	1.205521168	14.46013601	37823.23936
1035.8	0.562819259	3.360256106	0.382198731	0.120959439	0.822095944	1.206543461	14.47238778	37837.71175
1036	0.563035708	3.361548391	0.382499365	0.121475979	0.822147598	1.207568388	14.4846711	37852.19642
1036.2	0.563252332	3.362841724	0.382800741	0.121993792	0.822199379	1.208595962	14.4969861	37866.6934
1036.4	0.563469132	3.364136107	0.383102861	0.122512884	0.822251288	1.209626193	14.50933293	37881.20274
1036.6	0.563686109	3.365431543	0.383405728	0.12303326	0.822303326	1.210659093	14.52171172	37895.72445
1036.8	0.563903262	3.366728035	0.383709346	0.123554925	0.822355493	1.211694674	14.5341226	37910.25857
1037	0.564120592	3.368025585	0.384013717	0.124077885	0.822407789	1.212732947	14.54656572	37924.80514
1037.2	0.564338101	3.369324196	0.384318844	0.124602145	0.822460214	1.213773923	14.55904122	37939.36418
1037.4	0.564555787	3.37062387	0.384624732	0.12512771	0.822512771	1.214817615	14.57154923	37953.93573
1037.6	0.564773652	3.371924612	0.384931382	0.125654586	0.822565459	1.215864034	14.58408989	37968.51982
1037.8	0.564991696	3.373226422	0.385238799	0.126182779	0.822618278	1.216913192	14.59666336	37983.11648
1038	0.56520992	3.374529305	0.385546985	0.126712293	0.822671229	1.217965102	14.60926976	37997.72575
1038.2	0.565428323	3.375833262	0.385855943	0.127243135	0.822724314	1.219019774	14.62190925	38012.34766
1038.4	0.565646908	3.377138297	0.386165678	0.127775311	0.822777531	1.220077221	14.63458197	38026.98224
1038.6	0.565865673	3.378444412	0.386476192	0.128308825	0.822830882	1.221137456	14.64728806	38041.62953
1038.8	0.566084619	3.37975161	0.386787488	0.128843683	0.822884368	1.22220049	14.66002768	38056.28956
1039	0.566303748	3.381059894	0.38709957	0.129379892	0.822937989	1.223266336	14.67280096	38070.96236
1039.2	0.566523058	3.382369267	0.387412441	0.129917456	0.822991746	1.224335006	14.68560806	38085.64797
1039.4	0.566742552	3.383679732	0.387726105	0.130456383	0.823045638	1.225406513	14.69844912	38100.34641
1039.6	0.566962229	3.384991291	0.388040565	0.130996676	0.823099668	1.226480869	14.71132429	38115.05774
1039.8	0.567182089	3.386303947	0.388355823	0.131538343	0.823153834	1.227558087	14.72423374	38129.78197
1040	0.567402134	3.387617703	0.388671885	0.132081389	0.823208139	1.228638179	14.7371776	38144.51915
1040.2	0.567622364	3.388932563	0.388988753	0.132625821	0.823262582	1.229721159	14.75015603	38159.26931
1040.4	0.567842779	3.390248529	0.38930643	0.133171643	0.823317164	1.230807038	14.76316918	38174.03248

1040.6	0.56806338	3.391565603	0.389624921	0.133718863	0.823371886	1.231895831	14.77621721	38188.80869
1040.8	0.568284167	3.392883789	0.389944228	0.134267485	0.823426749	1.232987549	14.78930028	38203.59799
1041	0.56850514	3.39420309	0.390264355	0.134817517	0.823481752	1.234082207	14.80241854	38218.40041
1041.2	0.568726301	3.395523509	0.390585306	0.135368963	0.823536896	1.235179817	14.81557215	38233.21598
1041.4	0.56894765	3.396845048	0.390907084	0.135921832	0.823592183	1.236280393	14.82876126	38248.04475
1041.6	0.569169187	3.398167712	0.391229693	0.136476127	0.823647613	1.237383947	14.84198604	38262.88673
1041.8	0.569390912	3.399491501	0.391553137	0.137031857	0.823703186	1.238490494	14.85524664	38277.74198
1042	0.569612827	3.400816421	0.391877418	0.137589026	0.823758903	1.239600046	14.86854324	38292.61052
1042.2	0.569834931	3.402142473	0.392202541	0.138147642	0.823814764	1.240712618	14.88187598	38307.4924
1042.4	0.570057226	3.403469661	0.39252851	0.13870771	0.823870771	1.241828223	14.89524504	38322.38764
1042.6	0.570279711	3.404797987	0.392855328	0.139269237	0.823926924	1.242946874	14.90865058	38337.29629
1042.8	0.570502388	3.406127456	0.393182999	0.139832229	0.823983223	1.244068587	14.92209277	38352.21839
1043	0.570725256	3.407458069	0.393511526	0.140396694	0.824039669	1.245193373	14.93557176	38367.15396
1043.2	0.570948317	3.40878983	0.393840913	0.140962636	0.824096264	1.246321249	14.94908773	38382.10304
1043.4	0.57117157	3.410122743	0.394171165	0.141530063	0.824153006	1.247452227	14.96264086	38397.06569
1043.6	0.571395017	3.41145681	0.394502285	0.142098982	0.824209898	1.248586322	14.9762313	38412.04192
1043.8	0.571618658	3.412792034	0.394834277	0.142669398	0.82426694	1.249723549	14.98985923	38427.03178
1044	0.571842493	3.414128418	0.395167144	0.143241319	0.824324132	1.250863921	15.00352482	38442.0353
1044.2	0.572066523	3.415465966	0.395500891	0.143814751	0.824381475	1.252007453	15.01722824	38457.05253
1044.4	0.572290748	3.416804681	0.395835521	0.144389702	0.82443897	1.25315416	15.03096968	38472.0835
1044.6	0.572515169	3.418144566	0.396171039	0.144966177	0.824496618	1.254304056	15.0447493	38487.12825
1044.8	0.572739787	3.419485625	0.396507448	0.145544183	0.824554418	1.255457156	15.05856728	38502.18682
1045	0.572964602	3.420827859	0.396844752	0.146123728	0.824612373	1.256613476	15.07242379	38517.25924
1045.2	0.573189614	3.422171274	0.397182956	0.146704818	0.824670482	1.257773029	15.08631903	38532.34556
1045.4	0.573414825	3.423515871	0.397522063	0.14728746	0.824728746	1.258935831	15.10025316	38547.44581
1045.6	0.573640234	3.424861654	0.397862078	0.147871662	0.824787166	1.260101897	15.11422637	38562.56004
1045.8	0.573865843	3.426208627	0.398203004	0.14845743	0.824845743	1.261271243	15.12823884	38577.68828
1046	0.574091651	3.427556793	0.398544846	0.149044771	0.824904477	1.262443883	15.14229076	38592.83057
1046.2	0.57431766	3.428906155	0.398887608	0.149633693	0.824963369	1.263619834	15.1563823	38607.98695
1046.4	0.574543869	3.430256716	0.399231294	0.150224202	0.82502242	1.26479911	15.17051366	38623.15746
1046.6	0.57477028	3.43160848	0.399575908	0.150816306	0.825081631	1.265981728	15.18468503	38638.34215
1046.8	0.574996893	3.43296145	0.399921454	0.151410012	0.825141001	1.267167703	15.19889658	38653.54105
1047	0.575223709	3.43431563	0.400267937	0.152005327	0.825200533	1.26835705	15.21314852	38668.75419
1047.2	0.575450727	3.435671022	0.400615362	0.152602259	0.825260226	1.269549787	15.22744103	38683.98163
1047.4	0.57567795	3.43702763	0.400963731	0.153200815	0.825320082	1.270745929	15.2417743	38699.22341
1047.6	0.575905376	3.438385459	0.40131305	0.153801003	0.8253801	1.271945492	15.25614852	38714.47956
1047.8	0.576133008	3.43974451	0.401663322	0.154402829	0.825440283	1.273148492	15.2705639	38729.75012

1048	0.576360845	3.441104788	0.402014554	0.155006303	0.82550063	1.274354947	15.28502063	38745.03514
1048.2	0.576588888	3.442466296	0.402366747	0.15561143	0.825561143	1.275564871	15.29951891	38760.33466
1048.4	0.576817138	3.443829038	0.402719908	0.156218219	0.825621822	1.276778283	15.31405892	38775.64872
1048.6	0.577045594	3.445193016	0.403074041	0.156826678	0.825682668	1.277995198	15.32864089	38790.97736
1048.8	0.577274259	3.446558235	0.40342915	0.157436813	0.825743681	1.279215634	15.34326499	38806.32063
1049	0.577503132	3.447924699	0.403785239	0.158048634	0.825804863	1.280439608	15.35793145	38821.67856
1049.2	0.577732214	3.44929241	0.404142314	0.158662148	0.825866215	1.281667136	15.37264046	38837.0512
1049.4	0.577961505	3.450661372	0.404500379	0.159277362	0.825927736	1.282898235	15.38739223	38852.43859
1049.6	0.578191007	3.452031588	0.404859438	0.159894285	0.825989428	1.284132924	15.40218696	38867.84078
1049.8	0.578420719	3.453403064	0.405219496	0.160512924	0.826051292	1.285371219	15.41702486	38883.2578
1050	0.578650643	3.454775801	0.405580558	0.161133288	0.826113329	1.286613138	15.43190615	38898.68971
1050.2	0.578880779	3.456149804	0.405942628	0.161755385	0.826175539	1.287858699	15.44683102	38914.13654
1050.4	0.579111128	3.457525076	0.406305712	0.162379223	0.826237922	1.289107919	15.46179971	38929.59834
1050.6	0.579341689	3.458901621	0.406669814	0.16300481	0.826300481	1.290360817	15.47681242	38945.07515
1050.8	0.579572465	3.460279443	0.407034938	0.163632155	0.826363215	1.291617409	15.49186936	38960.56702
1051	0.579803455	3.461658545	0.40740109	0.164261265	0.826426126	1.292877716	15.50697075	38976.07399
1051.2	0.58003466	3.463038932	0.407768275	0.164892149	0.826489215	1.294141753	15.52211681	38991.59611
1051.4	0.58026608	3.464420606	0.408136497	0.165524816	0.826552482	1.295409541	15.53730777	39007.13342
1051.6	0.580497717	3.465803572	0.408505762	0.166159273	0.826615927	1.296681098	15.55254383	39022.68596
1051.8	0.580729571	3.467187833	0.408876074	0.16679553	0.826679553	1.297956441	15.56782523	39038.25378
1052	0.580961643	3.468573394	0.409247438	0.167433596	0.82674336	1.299235591	15.5831522	39053.83694
1052.2	0.581193933	3.469960257	0.40961986	0.168073478	0.826807348	1.300518566	15.59852494	39069.43546
1052.4	0.581426442	3.471348428	0.409993344	0.168715185	0.826871519	1.301805384	15.6139437	39085.04941
1052.6	0.58165917	3.472737909	0.410367895	0.169358727	0.826935873	1.303096066	15.6294087	39100.67881
1052.8	0.581892119	3.474128705	0.41074352	0.170004112	0.827000411	1.30439063	15.64492017	39116.32373
1053	0.582125288	3.475520819	0.411120222	0.170651349	0.827065135	1.305689095	15.66047835	39131.98421
1053.2	0.582358679	3.476914256	0.411498007	0.171300446	0.827130045	1.306991483	15.67608347	39147.6603
1053.4	0.582592292	3.478309019	0.411876881	0.171951414	0.827195141	1.308297811	15.69173576	39163.35203
1053.6	0.582826128	3.479705112	0.412256848	0.172604261	0.827260426	1.3096081	15.70743547	39179.05947
1053.8	0.583060187	3.48110254	0.412637915	0.173258995	0.8273259	1.31092237	15.72318282	39194.78265
1054	0.58329447	3.482501306	0.413020085	0.173915628	0.827391563	1.312240641	15.73897807	39210.52163
1054.2	0.583528979	3.483901414	0.413403365	0.174574166	0.827457417	1.313562934	15.75482145	39226.27645
1054.4	0.583763713	3.485302869	0.41378776	0.175234621	0.827523462	1.314889268	15.77071321	39242.04716
1054.6	0.583998673	3.486705674	0.414173276	0.175897001	0.8275897	1.316219664	15.78665359	39257.83382
1054.8	0.584233859	3.488109834	0.414559918	0.176561316	0.827656132	1.317554143	15.80264284	39273.63646
1055	0.584469274	3.489515352	0.414947692	0.177227575	0.827722757	1.318892727	15.81868122	39289.45514
1055.2	0.584704916	3.490922233	0.415336602	0.177895788	0.827789579	1.320235435	15.83476897	39305.28991

1055.4	0.584940788	3.492330481	0.415726656	0.178565964	0.827856596	1.321582288	15.85090634	39321.14082
1055.6	0.585176889	3.4937401	0.416117858	0.179238114	0.827923811	1.32293331	15.86709359	39337.00791
1055.8	0.585413221	3.495151094	0.416510214	0.179912246	0.827991225	1.324288519	15.88333097	39352.89124
1056	0.585649783	3.496563467	0.41690373	0.180588372	0.828058837	1.32564794	15.89961876	39368.79086
1056.2	0.585886578	3.497977224	0.417298411	0.1812665	0.82812665	1.327011592	15.91595719	39384.70682
1056.4	0.586123605	3.499392369	0.417694264	0.181946641	0.828194664	1.328379498	15.93234654	39400.63916
1056.6	0.586360865	3.500808906	0.418091295	0.182628805	0.828262881	1.329751681	15.94878707	39416.58795
1056.8	0.586598359	3.50222684	0.418489508	0.183313002	0.8283313	1.331128161	15.96527905	39432.55323
1057	0.586836087	3.503646174	0.418888911	0.183999243	0.828399924	1.332508963	15.98182274	39448.53505
1057.2	0.587074051	3.505066913	0.419289509	0.184687536	0.828468754	1.333894107	15.99841842	39464.53347
1057.4	0.587312251	3.506489062	0.419691308	0.185377894	0.828537789	1.335283618	16.01506635	39480.54854
1057.6	0.587550687	3.507912625	0.420094315	0.186070325	0.828607033	1.336677518	16.03176682	39496.5803
1057.8	0.587789362	3.509337605	0.420498535	0.186764842	0.828676484	1.338075829	16.04852008	39512.62882
1058	0.588028274	3.510764009	0.420903974	0.187461454	0.828746145	1.339478576	16.06532643	39528.69415
1058.2	0.588267426	3.51219184	0.421310639	0.188160171	0.828816017	1.340885782	16.08218615	39544.77634
1058.4	0.588506817	3.513621102	0.421718536	0.188861006	0.828886101	1.342297469	16.0990995	39560.87544
1058.6	0.588746449	3.5150518	0.422127671	0.189563968	0.828956397	1.343713663	16.11606679	39576.9915
1058.8	0.588986322	3.516483939	0.422538051	0.190269068	0.829026907	1.345134386	16.13308829	39593.12459
1059	0.589226438	3.517917523	0.422949681	0.190976318	0.829097632	1.346559664	16.1501643	39609.27476
1059.2	0.589466796	3.519352557	0.423362569	0.191685727	0.829168573	1.347989519	16.1672951	39625.44205
1059.4	0.589707397	3.520789045	0.423776721	0.192397309	0.829239731	1.349423978	16.18448098	39641.62653
1059.6	0.589948243	3.522226992	0.424192143	0.193111073	0.829311107	1.350863063	16.20172224	39657.82825
1059.8	0.590189335	3.523666403	0.424608842	0.193827031	0.829382703	1.352306801	16.21901919	39674.04727
1060	0.590430672	3.525107282	0.425026825	0.194545194	0.829454519	1.353755216	16.2363721	39690.28364
1060.2	0.590672255	3.526549634	0.425446098	0.195265575	0.829526557	1.355208334	16.2537813	39706.53743
1060.4	0.590914087	3.527993463	0.425866668	0.195988183	0.829598818	1.356666179	16.27124708	39722.80867
1060.6	0.591156166	3.529438775	0.426288541	0.196713031	0.829671303	1.358128778	16.28876974	39739.09744
1060.8	0.591398495	3.530885575	0.426711725	0.197440131	0.829744013	1.359596156	16.30634961	39755.40379
1061	0.591641074	3.532333866	0.427136226	0.198169494	0.829816949	1.361068339	16.32398697	39771.72778
1061.2	0.591883903	3.533783654	0.427562051	0.198901133	0.829890113	1.362545354	16.34168216	39788.06946
1061.4	0.592126984	3.535234943	0.427989208	0.199635059	0.829963506	1.364027226	16.35943548	39804.4289
1061.6	0.592370317	3.53668774	0.428417703	0.200371284	0.830037128	1.365513983	16.37724725	39820.80614
1061.8	0.592613903	3.538142047	0.428847543	0.20110982	0.830110982	1.367005651	16.3951178	39837.20126
1062	0.592857743	3.539597871	0.429278735	0.20185068	0.830185068	1.368502256	16.41304744	39853.61431
1062.2	0.593101839	3.541055217	0.429711287	0.202593876	0.830259388	1.370003827	16.4310365	39870.04535
1062.4	0.593346189	3.542514088	0.430145206	0.20333942	0.830333942	1.371510391	16.44908531	39886.49443
1062.6	0.593590796	3.543974491	0.430580499	0.204087325	0.830408732	1.373021975	16.4671942	39902.96163

1062.8	0.593835661	3.545436431	0.431017173	0.204837603	0.83048376	1.374538607	16.48536349	39919.44699
1063	0.594080784	3.546899911	0.431455236	0.205590268	0.830559027	1.376060316	16.50359354	39935.95058
1063.2	0.594326166	3.548364939	0.431894695	0.206345331	0.830634533	1.377587128	16.52188466	39952.47247
1063.4	0.594571807	3.549831517	0.432335557	0.207102806	0.830710281	1.379119074	16.54023721	39969.0127
1063.6	0.59481771	3.551299653	0.432777831	0.207862706	0.830786271	1.380656181	16.55865153	39985.57136
1063.8	0.595063874	3.552769351	0.433221524	0.208625044	0.830862504	1.382198479	16.57712796	40002.14848
1064	0.5953103	3.554240616	0.433666644	0.209389833	0.830938983	1.383745997	16.59566685	40018.74415
1064.2	0.59555699	3.555713453	0.434113197	0.210157086	0.831015709	1.385298763	16.61426856	40035.35842
1064.4	0.595803944	3.557187868	0.434561193	0.210926817	0.831092682	1.386856808	16.63293343	40051.99135
1064.6	0.596051163	3.558663866	0.435010638	0.211699039	0.831169904	1.388420162	16.65166182	40068.64301
1064.8	0.596298649	3.560141452	0.435461542	0.212473765	0.831247377	1.389988855	16.6704541	40085.31347
1065	0.596546401	3.561620632	0.435913911	0.21325101	0.831325101	1.391562916	16.68931062	40102.00278
1065.2	0.596794421	3.563101411	0.436367754	0.214030788	0.831403079	1.393142377	16.70823176	40118.71101
1065.4	0.59704271	3.564583794	0.436823079	0.214813111	0.831481311	1.394727268	16.72721787	40135.43823
1065.6	0.597291268	3.566067788	0.437279893	0.215597994	0.831559799	1.396317621	16.74626933	40152.1845
1065.8	0.597540097	3.567553396	0.437738206	0.216385452	0.831638545	1.397913466	16.76538652	40168.94988
1066	0.597789198	3.569040626	0.438198026	0.217175498	0.83171755	1.399514836	16.78456981	40185.73445
1066.2	0.598038571	3.570529482	0.43865936	0.217968147	0.831796815	1.401121762	16.80381958	40202.53827
1066.4	0.598288217	3.572019971	0.439122218	0.218763413	0.831876341	1.402734275	16.82313622	40219.36141
1066.6	0.598538138	3.573512096	0.439586608	0.219561311	0.831956131	1.40435241	16.84252011	40236.20393
1066.8	0.598788333	3.575005866	0.440052537	0.220361855	0.832036186	1.405976197	16.86197164	40253.0659
1067	0.599038805	3.576501284	0.440520016	0.221165061	0.832116506	1.40760567	16.8814912	40269.94739
1067.2	0.599289555	3.577998357	0.440989052	0.221970943	0.832197094	1.409240862	16.90107919	40286.84847
1067.4	0.599540582	3.57949709	0.441459655	0.222779516	0.832277952	1.410881806	16.92073601	40303.76921
1067.6	0.599791888	3.580997489	0.441931832	0.223590795	0.83235908	1.412528537	16.94046206	40320.70967
1067.8	0.600043475	3.582499561	0.442405594	0.224404796	0.83244048	1.414181088	16.96025775	40337.66993
1068	0.600295342	3.58400331	0.442880949	0.225221534	0.832522153	1.415839492	16.98012348	40354.65005
1068.2	0.600547491	3.585508743	0.443357905	0.226041025	0.832604102	1.417503786	17.00005967	40371.65011
1068.4	0.600799924	3.587015865	0.443836473	0.226863283	0.832686328	1.419174002	17.02006673	40388.67018
1068.6	0.60105264	3.588524683	0.444316661	0.227688326	0.832768833	1.420850178	17.04014508	40405.71032
1068.8	0.601305642	3.590035203	0.444798479	0.228516168	0.832851617	1.422532347	17.06029515	40422.77062
1069	0.601558929	3.59154743	0.445281935	0.229346826	0.832934683	1.424220546	17.08051735	40439.85114
1069.2	0.601812504	3.593061371	0.445767039	0.230180316	0.833018032	1.42591481	17.10081213	40456.95195
1069.4	0.602066366	3.594577032	0.446253802	0.231016654	0.833101665	1.427615176	17.12117991	40474.07313
1069.6	0.602320518	3.596094418	0.446742231	0.231855857	0.833185586	1.42932168	17.14162113	40491.21475
1069.8	0.602574959	3.597613537	0.447232337	0.232697941	0.833269794	1.431034359	17.16213623	40508.37689
1070	0.602829692	3.599134393	0.44772413	0.233542922	0.833354292	1.432753251	17.18272566	40525.55961

1070.2	0.603084717	3.600656994	0.448217619	0.234390818	0.833439082	1.434478392	17.20338985	40542.763
1070.4	0.603340035	3.602181346	0.448712815	0.235241646	0.833524165	1.436209821	17.22412927	40559.98713
1070.6	0.603595648	3.603707455	0.449209726	0.236095422	0.833609542	1.437947575	17.24494437	40577.23207
1070.8	0.603851555	3.605235327	0.449708364	0.236952164	0.833695216	1.439691694	17.26583561	40594.49791
1071	0.60410776	3.606764968	0.450208738	0.23781189	0.833781189	1.441442215	17.28680345	40611.78471
1071.2	0.604364261	3.608296386	0.450710858	0.238674616	0.833867462	1.443199179	17.30784836	40629.09256
1071.4	0.604621062	3.609829587	0.451214736	0.23954036	0.833954036	1.444962623	17.32897081	40646.42153
1071.6	0.604878162	3.611364577	0.45172038	0.24040914	0.834040914	1.446732589	17.35017128	40663.7717
1071.8	0.605135562	3.612901362	0.452227802	0.241280975	0.834128097	1.448509116	17.37145023	40681.14315
1072	0.605393265	3.61443995	0.452737011	0.242155882	0.834215588	1.450292245	17.39280817	40698.53596
1072.2	0.605651271	3.615980346	0.45324802	0.243033879	0.834303388	1.452082017	17.41424557	40715.95021
1072.4	0.60590958	3.617522559	0.453760838	0.243914985	0.834391498	1.453878472	17.43576293	40733.38597
1072.6	0.606168195	3.619066593	0.454275476	0.244799218	0.834479922	1.455681652	17.45736074	40750.84333
1072.8	0.606427117	3.620612457	0.454791945	0.245686598	0.83456866	1.457491599	17.4790395	40768.32237
1073	0.606686345	3.622160156	0.455310256	0.246577142	0.834657714	1.459308355	17.50079973	40785.82317
1073.2	0.606945883	3.623709698	0.45583042	0.24747087	0.834747087	1.461131964	17.52264191	40803.34581
1073.4	0.60720573	3.62526109	0.456352449	0.248367802	0.83483678	1.462962467	17.54456658	40820.89038
1073.6	0.607465888	3.626814338	0.456876353	0.249267956	0.834926796	1.464799908	17.56657425	40838.45695
1073.8	0.607726358	3.628369449	0.457402144	0.250171352	0.835017135	1.466644331	17.58866544	40856.04562
1074	0.607987142	3.629926431	0.457929833	0.25107801	0.835107801	1.468495781	17.61084067	40873.65646
1074.2	0.60824824	3.63148529	0.458459433	0.251987949	0.835198795	1.4703543	17.63310049	40891.28956
1074.4	0.608509653	3.633046034	0.458990954	0.25290119	0.835290119	1.472219936	17.65544542	40908.94501
1074.6	0.608771384	3.63460867	0.459524408	0.253817752	0.835381775	1.474092732	17.677876	40926.62288
1074.8	0.609033432	3.636173205	0.460059807	0.254737657	0.835473766	1.475972734	17.7003928	40944.32327
1075	0.6092958	3.637739646	0.460597164	0.255660924	0.835566092	1.477859989	17.72299634	40962.04627
1075.2	0.609558489	3.639308	0.461136489	0.256587575	0.835658758	1.479754544	17.7456872	40979.79196
1075.4	0.609821499	3.640878275	0.461677796	0.25751763	0.835751763	1.481656444	17.76846592	40997.56042
1075.6	0.610084832	3.642450478	0.462221097	0.258451111	0.835845111	1.483565737	17.79133309	41015.35176
1075.8	0.610348489	3.644024617	0.462766404	0.259388038	0.835938804	1.485482472	17.81428926	41033.16605
1076	0.610612471	3.645600699	0.463313729	0.260328433	0.836032843	1.487406697	17.83733501	41051.00338
1076.2	0.610876781	3.647178731	0.463863085	0.261272318	0.836127232	1.489338459	17.86047093	41068.86385
1076.4	0.611141418	3.648758722	0.464414485	0.262219714	0.836221971	1.491277809	17.8836976	41086.74755
1076.6	0.611406384	3.650340678	0.464967941	0.263170644	0.836317064	1.493224795	17.90701562	41104.65457
1076.8	0.611671682	3.651924608	0.465523467	0.26412513	0.836412513	1.495179468	17.93042558	41122.58499
1077	0.611937311	3.653510519	0.466081076	0.265083194	0.836508319	1.497141878	17.95392808	41140.53892
1077.2	0.612203273	3.655098419	0.46664078	0.266044858	0.836604486	1.499112077	17.97752373	41158.51644
1077.4	0.612469569	3.656688315	0.467202594	0.267010147	0.836701015	1.501090115	18.00121315	41176.51766

1077.6	0.612736201	3.658280216	0.467766529	0.267979081	0.836797908	1.503076044	18.02499696	41194.54265
1077.8	0.613003171	3.65987413	0.468332601	0.268951686	0.836895169	1.505069918	18.04887577	41212.59153
1078	0.613270478	3.661470064	0.468900822	0.269927984	0.836992798	1.507071788	18.07285023	41230.66438
1078.2	0.613538126	3.663068027	0.469471207	0.270907999	0.8370908	1.509081707	18.09692097	41248.7613
1078.4	0.613806115	3.664668027	0.470043768	0.271891755	0.837189176	1.511099731	18.12108863	41266.88239
1078.6	0.614074446	3.666270071	0.470618521	0.272879276	0.837287928	1.513125913	18.14535386	41285.02774
1078.8	0.614343121	3.667874168	0.47119548	0.273870586	0.837387059	1.515160307	18.16971732	41303.19746
1079	0.614612141	3.669480327	0.471774657	0.274865709	0.837486571	1.51720297	18.19417966	41321.39164
1079.2	0.614881508	3.671088555	0.472356069	0.275864671	0.837586467	1.519253957	18.21874156	41339.61038
1079.4	0.615151223	3.67269886	0.47293973	0.276867496	0.83768675	1.521313325	18.24340369	41357.85378
1079.6	0.615421287	3.674311253	0.473525653	0.27787421	0.837787421	1.52338113	18.26816673	41376.12195
1079.8	0.615691702	3.67592574	0.474113855	0.278884838	0.837888484	1.52545743	18.29303136	41394.41498
1080	0.61596247	3.67754233	0.474704349	0.279899405	0.837989941	1.527542283	18.31799828	41412.73298
1080.2	0.616233591	3.679161032	0.475297152	0.280917938	0.838091794	1.529635748	18.34306819	41431.07605
1080.4	0.616505068	3.680781855	0.475892278	0.281940462	0.838194046	1.531737883	18.36824179	41449.44429
1080.6	0.616776901	3.682404808	0.476489742	0.282967005	0.8382967	1.533848749	18.3935198	41467.83781
1080.8	0.617049092	3.684029898	0.47708956	0.283997592	0.838399759	1.535968406	18.41890293	41486.25671
1081	0.617321643	3.685657135	0.477691748	0.285032251	0.838503225	1.538096914	18.44439192	41504.70111
1081.2	0.617594554	3.687286528	0.478296322	0.286071008	0.838607101	1.540234336	18.4699875	41523.17109
1081.4	0.617867829	3.688918086	0.478903297	0.287113891	0.838711389	1.542380732	18.49569041	41541.66678
1081.6	0.618141467	3.690551817	0.479512689	0.288160928	0.838816093	1.544536167	18.52150139	41560.18828
1081.8	0.618415472	3.692187731	0.480124515	0.289212146	0.838921215	1.546700702	18.54742121	41578.73571
1082	0.618689843	3.693825838	0.480738791	0.290267574	0.839026757	1.548874403	18.57345063	41597.30916
1082.2	0.618964583	3.695466145	0.481355534	0.291327241	0.839132724	1.551057332	18.59959041	41615.90875
1082.4	0.619239693	3.697108664	0.48197476	0.292391174	0.839239117	1.553249557	18.62584134	41634.53459
1082.6	0.619515175	3.698753402	0.482596486	0.293459402	0.83934594	1.555451142	18.65220419	41653.18679
1082.8	0.619791031	3.700400369	0.48322073	0.294531956	0.839453196	1.557662154	18.67867977	41671.86547
1083	0.620067261	3.702049575	0.483847508	0.295608865	0.839560886	1.559882659	18.70526888	41690.57074
1083.2	0.620343868	3.703701029	0.484476838	0.296690157	0.839669016	1.562112727	18.73197232	41709.30271
1083.4	0.620620853	3.705354741	0.485108737	0.297775864	0.839777586	1.564352425	18.75879091	41728.0615
1083.6	0.620898218	3.707010721	0.485743223	0.298866016	0.839886602	1.566601822	18.78572548	41746.84723
1083.8	0.621175964	3.708668978	0.486380313	0.299960644	0.839996064	1.568860988	18.81277686	41765.66001
1084	0.621454094	3.710329522	0.487020027	0.301059778	0.840105978	1.571129995	18.8399459	41784.49995
1084.2	0.621732608	3.711992363	0.487662382	0.30216345	0.840216345	1.573408912	18.86723344	41803.36719
1084.4	0.622011509	3.713657511	0.488307396	0.303271691	0.840327169	1.575697812	18.89464034	41822.26183
1084.6	0.622290797	3.715324977	0.488955088	0.304384534	0.840438453	1.577996768	18.92216748	41841.18399
1084.8	0.622570476	3.716994769	0.489605477	0.30550201	0.840550201	1.580305853	18.94981572	41860.13381

1085	0.622850546	3.718666899	0.490258582	0.306624152	0.840662415	1.582625141	18.97758596	41879.1114
1085.2	0.623131009	3.720341376	0.490914422	0.307750993	0.840775099	1.584954708	19.00547909	41898.11687
1085.4	0.623411867	3.722018212	0.491573016	0.308882566	0.840888257	1.587294628	19.03349602	41917.15037
1085.6	0.623693122	3.723697416	0.492234383	0.310018905	0.84100189	1.589644979	19.06163765	41936.21201
1085.8	0.623974775	3.725378998	0.492898544	0.311160043	0.841116004	1.592005838	19.08990491	41955.30191
1086	0.624256829	3.72706297	0.493565518	0.312306015	0.841230601	1.594377283	19.11829873	41974.42021
1086.2	0.624539284	3.728749343	0.494235325	0.313456855	0.841345685	1.596759393	19.14682006	41993.56703
1086.4	0.624822144	3.730438126	0.494907986	0.314612598	0.84146126	1.599152247	19.17546984	42012.7425
1086.6	0.625105408	3.73212933	0.495583522	0.315773279	0.841577328	1.601555927	19.20424904	42031.94675
1086.8	0.625389081	3.733822967	0.496261952	0.316938934	0.841693893	1.603970513	19.23315864	42051.17991
1087	0.625673162	3.735519048	0.496943298	0.318109599	0.84181096	1.606396088	19.2621996	42070.44211
1087.2	0.625957655	3.737217584	0.497627581	0.319285311	0.841928531	1.608832734	19.29137293	42089.73348
1087.4	0.626242561	3.738918585	0.498314822	0.320466105	0.84204661	1.611280537	19.32067963	42109.05416
1087.6	0.626527881	3.740622063	0.499005043	0.321652019	0.842165202	1.613739581	19.35012071	42128.40428
1087.8	0.626813619	3.742328029	0.499698265	0.32284309	0.842284309	1.616209951	19.37969719	42147.78398
1088	0.627099775	3.744036495	0.500394512	0.323640138	0.842364014	1.618615025	19.40894985	42167.19293
1088.2	0.627386351	3.745747472	0.501093804	0.324134002	0.8424134	1.620972039	19.43752238	42186.63045
1088.4	0.62767335	3.747460971	0.501796165	0.324630033	0.842463003	1.623339663	19.46587021	42206.09632
1088.6	0.627960774	3.749177006	0.502501616	0.325128248	0.842512825	1.625717976	19.49434583	42225.59067
1088.8	0.628248624	3.750895586	0.503210182	0.325628661	0.842562866	1.628107059	19.52295021	42245.11362
1089	0.628536903	3.752616724	0.503921885	0.32613129	0.842613129	1.630506994	19.55168432	42264.6653
1089.2	0.628825612	3.754340433	0.504636749	0.326636152	0.842663615	1.632917865	19.58054915	42284.24585
1089.4	0.629114753	3.756066723	0.505354797	0.327143262	0.842714326	1.635339753	19.6095457	42303.8554
1089.6	0.629404329	3.757795608	0.506076053	0.327652638	0.842765264	1.637772744	19.63867498	42323.49407
1089.8	0.629694342	3.759527099	0.506800542	0.328164297	0.84281643	1.640216923	19.667938	42343.16201
1090	0.629984793	3.761261208	0.507528288	0.328678256	0.842867826	1.642672376	19.69733579	42362.85935
1090.2	0.630275685	3.762997949	0.508259315	0.329194533	0.842919453	1.645139191	19.7268694	42382.58622
1090.4	0.63056702	3.764737333	0.508993649	0.329713145	0.842971314	1.647617455	19.75653988	42402.34276
1090.6	0.630858799	3.766479374	0.509731315	0.33023411	0.843023411	1.650107259	19.78634828	42422.1291
1090.8	0.631151026	3.768224084	0.510472338	0.330757446	0.843075745	1.652608691	19.8162957	42441.9454
1091	0.631443701	3.769971475	0.511216744	0.331283171	0.843128317	1.655121843	19.8463832	42461.79178
1091.2	0.631736829	3.771721562	0.51196456	0.331811304	0.84318113	1.657646807	19.8766119	42481.66839
1091.4	0.632030409	3.773474356	0.51271581	0.332341863	0.843234186	1.660183677	19.9069829	42501.57538
1091.6	0.632324446	3.775229871	0.513470523	0.332874868	0.843287487	1.662732546	19.93749733	42521.51287
1091.8	0.63261894	3.77698812	0.514228725	0.333410336	0.843341034	1.665293509	19.96815633	42541.48103
1092	0.632913895	3.778749117	0.514990443	0.333948288	0.843394829	1.667866663	19.99896103	42561.47999
1092.2	0.633209312	3.780512875	0.515755705	0.334488742	0.843448874	1.670452105	20.02991261	42581.5099

1092.4	0.633505194	3.782279408	0.516524539	0.335031719	0.843503172	1.673049934	20.06101223	42601.57092
1092.6	0.633801542	3.784048729	0.517296972	0.335577238	0.843557724	1.675660248	20.09226109	42621.66318
1092.8	0.634098361	3.785820852	0.518073034	0.336125319	0.843612532	1.67828315	20.12366039	42641.78684
1093	0.63439565	3.787595791	0.518852752	0.336675983	0.843667598	1.68091874	20.15521134	42661.94205
1093.2	0.634693414	3.789373561	0.519636156	0.33722925	0.843722925	1.683567121	20.18691516	42682.12896
1093.4	0.634991655	3.791154174	0.520423276	0.337785141	0.843778514	1.686228398	20.21877311	42702.34774
1093.6	0.635290374	3.792937647	0.521214141	0.338343677	0.843834368	1.688902675	20.25078644	42722.59852
1093.8	0.635589574	3.794723992	0.522008781	0.338904879	0.843890488	1.69159006	20.28295641	42742.88148
1094	0.635889258	3.796513225	0.522807227	0.339468769	0.843946877	1.69429066	20.31528432	42763.19677
1094.2	0.636189428	3.79830536	0.523609509	0.340035368	0.844003537	1.697004584	20.34777147	42783.54454
1094.4	0.636490086	3.800100411	0.524415658	0.340604699	0.84406047	1.699731943	20.38041916	42803.92496
1094.6	0.636791236	3.801898395	0.525225707	0.341176783	0.844117678	1.702472847	20.41322874	42824.33818
1094.8	0.637092879	3.803699325	0.526039686	0.341751643	0.844175164	1.705227411	20.44620155	42844.78439
1095	0.637395018	3.805503218	0.526857628	0.342329302	0.84423293	1.707995747	20.47933894	42865.26373
1095.2	0.637697656	3.807310088	0.527679566	0.342909783	0.844290978	1.710777971	20.51264231	42885.77637
1095.4	0.638000796	3.80911995	0.528505532	0.343493108	0.844349311	1.713574201	20.54611303	42906.32248
1095.6	0.638304439	3.810932821	0.52933556	0.344079303	0.84440793	1.716384554	20.57975253	42926.90223
1095.8	0.638608588	3.812748716	0.530169683	0.34466839	0.844466839	1.719209151	20.61356223	42947.5158
1096	0.638913247	3.81456765	0.531007936	0.345260393	0.844526039	1.722048112	20.64754358	42968.16334
1096.2	0.639218418	3.816389641	0.531850353	0.345855337	0.844585534	1.72490156	20.68169803	42988.84504
1096.4	0.639524103	3.818214703	0.53269697	0.346453246	0.844645325	1.727769618	20.71602707	43009.56106
1096.6	0.639830305	3.820042853	0.53354782	0.347054146	0.844705415	1.730652413	20.75053219	43030.3116
1096.8	0.640137027	3.821874108	0.534402941	0.347658062	0.844765806	1.733550071	20.78521491	43051.09681
1097	0.640444272	3.823708484	0.535262368	0.348265019	0.844826502	1.736462721	20.82007676	43071.91689
1097.2	0.640752043	3.825545998	0.536126138	0.348875043	0.844887504	1.739390494	20.85511929	43092.77201
1097.4	0.641060342	3.827386667	0.536994287	0.34948816	0.844948816	1.742333519	20.89034408	43113.66235
1097.6	0.641369172	3.829230507	0.537866855	0.350104397	0.84501044	1.745291932	20.92575271	43134.5881
1097.8	0.641678537	3.831077536	0.538743877	0.350723781	0.845072378	1.748265867	20.96134679	43155.54945
1098	0.641988438	3.832927771	0.539625394	0.351346338	0.845134634	1.75125546	20.99712796	43176.54658
1098.2	0.642298879	3.83478123	0.540511443	0.351972096	0.84519721	1.75426085	21.03309786	43197.57968
1098.4	0.642609864	3.83663793	0.541402064	0.352601084	0.845260108	1.757282177	21.06925817	43218.64893
1098.6	0.642921394	3.838497889	0.542297297	0.353233328	0.845323333	1.760319583	21.10561056	43239.75455
1098.8	0.643233473	3.840361125	0.543197182	0.353868858	0.845386886	1.763373211	21.14215677	43260.8967
1099	0.643546103	3.842227656	0.54410176	0.354507702	0.84545077	1.766443207	21.17889851	43282.0756
1099.2	0.643859289	3.8440975	0.545011072	0.35514989	0.845514989	1.769529717	21.21583755	43303.29144
1099.4	0.644173033	3.845970677	0.54592516	0.35579545	0.845579545	1.772632891	21.25297565	43324.54441
1099.6	0.644487338	3.847847203	0.546844067	0.356444414	0.845644441	1.77575288	21.29031463	43345.83473

1099.8	0.644802207	3.8497271	0.547767836	0.357096811	0.845709681	1.778889837	21.3278563	43367.16258
1100	0.645117644	3.851610384	0.548696509	0.357752672	0.845775267	1.782043916	21.36560252	43388.52819
1100.2	0.645433652	3.853497076	0.549630131	0.358412028	0.845841203	1.785215274	21.40355514	43409.93174
1100.4	0.645750234	3.855387195	0.550568746	0.35907491	0.845907491	1.78840407	21.44171607	43431.37346
1100.6	0.646067392	3.85728076	0.5515124	0.359741351	0.845974135	1.791610465	21.48008721	43452.85355
1100.8	0.646385132	3.859177791	0.552461137	0.360411382	0.846041138	1.794834622	21.51867053	43474.37222
1101	0.646703455	3.861078309	0.553415006	0.361085037	0.846108504	1.798076706	21.55746797	43495.92968
1101.2	0.647022366	3.862982332	0.554374051	0.361762348	0.846176235	1.801336884	21.59648154	43517.52617
1101.4	0.647341867	3.864889882	0.555338321	0.362443348	0.846244335	1.804615326	21.63571326	43539.16188
1101.6	0.647661962	3.866800979	0.556307863	0.363128073	0.846312807	1.807912203	21.67516518	43560.83704
1101.8	0.647982655	3.868715644	0.557282728	0.363816555	0.846381656	1.81122769	21.71483936	43582.55188
1102	0.648303949	3.870633897	0.558262962	0.364508831	0.846450883	1.814561962	21.75473791	43604.30662
1102.2	0.648625847	3.87255576	0.559248618	0.365204935	0.846520493	1.817915198	21.79486296	43626.10148
1102.4	0.648948354	3.874481254	0.560239745	0.365904903	0.84659049	1.821287579	21.83521666	43647.9367
1102.6	0.649271473	3.8764104	0.561236394	0.366608771	0.846660877	1.824679288	21.8758012	43669.8125
1102.8	0.649595207	3.878343221	0.562238619	0.367316576	0.846731658	1.828090512	21.9166188	43691.72912
1103	0.64991956	3.880279739	0.56324647	0.368028356	0.846802836	1.831521439	21.95767171	43713.68679
1103.2	0.650244535	3.882219974	0.564260002	0.368744147	0.846874415	1.83497226	21.99896219	43735.68575
1103.4	0.650570138	3.884163951	0.565279269	0.369463989	0.846946399	1.838443167	22.04049256	43757.72625
1103.6	0.650896371	3.886111691	0.566304326	0.370187919	0.847018792	1.841934359	22.08226516	43779.80851
1103.8	0.651223238	3.888063218	0.567335228	0.370915977	0.847091598	1.845446033	22.12428235	43801.93279
1104	0.651550743	3.890018555	0.568372031	0.371648203	0.84716482	1.848978391	22.16654654	43824.09934
1104.2	0.65187889	3.891977724	0.569414792	0.372384638	0.847238464	1.852531638	22.20906017	43846.3084
1104.4	0.652207683	3.89394075	0.57046357	0.373125321	0.847312532	1.85610598	22.25182571	43868.56023
1104.6	0.652537126	3.895907657	0.571518424	0.373870294	0.847387029	1.859701629	22.29484566	43890.85507
1104.8	0.652867223	3.897878467	0.572579411	0.3746196	0.84746196	1.863318797	22.33812256	43913.1932
1105	0.653197978	3.899853207	0.573646594	0.375373281	0.847537328	1.8669577	22.38165898	43935.57485
1105.2	0.653529395	3.9018319	0.574720032	0.37613138	0.847613138	1.870618558	22.42545755	43958.00031
1105.4	0.653861479	3.903814572	0.575799788	0.376893941	0.847689394	1.874301593	22.46952091	43980.46983
1105.6	0.654194233	3.905801247	0.576885925	0.377661008	0.847766101	1.878007031	22.51385174	44002.98368
1105.8	0.654527662	3.907791951	0.577978506	0.378432627	0.847843263	1.881735099	22.55845278	44025.54214
1106	0.65486177	3.909786709	0.579077596	0.379208842	0.847920884	1.885486031	22.60332678	44048.14546
1106.2	0.655196561	3.911785547	0.580183261	0.379989701	0.84799897	1.889260061	22.64847655	44070.79394
1106.4	0.65553204	3.913788493	0.581295566	0.380775249	0.848077525	1.893057428	22.69390493	44093.48785
1106.6	0.655868212	3.915795571	0.58241458	0.381565536	0.848156554	1.896878374	22.73961481	44116.22746
1106.8	0.65620508	3.91780681	0.583540371	0.382360608	0.848236061	1.900723146	22.78560912	44139.01307
1107	0.65654265	3.919822235	0.584673008	0.383160515	0.848316052	1.904591992	22.83189083	44161.84496

1107.2	0.656880925	3.921841875	0.585812562	0.383965307	0.848396531	1.908485166	22.87846295	44184.72342
1107.4	0.657219911	3.923865757	0.586959104	0.384775035	0.848477503	1.912402925	22.92532854	44207.64875
1107.6	0.657559612	3.925893909	0.588112706	0.385589748	0.848558975	1.916345528	22.97249071	44230.62124
1107.8	0.657900033	3.927926359	0.589273441	0.3864095	0.84864095	1.920313241	23.01995261	44253.6412
1108	0.658241179	3.929963137	0.590441386	0.387234342	0.848723434	1.924306331	23.06771743	44276.70891
1108.2	0.658583055	3.93200427	0.591616614	0.388064329	0.848806433	1.928325073	23.11578842	44299.8247
1108.4	0.658925665	3.934049789	0.592799203	0.388899514	0.848889951	1.932369741	23.16416888	44322.98887
1108.6	0.659269014	3.936099723	0.593989231	0.389739953	0.848973995	1.936440617	23.21286215	44346.20173
1108.8	0.659613108	3.938154101	0.595186777	0.390585701	0.84905857	1.940537986	23.26187162	44369.4636
1109	0.659957952	3.940212954	0.596391921	0.391436815	0.849143682	1.944662138	23.31120074	44392.7748
1109.2	0.66030355	3.942276313	0.597604745	0.392293353	0.849229335	1.948813366	23.36085302	44416.13566
1109.4	0.660649908	3.944344209	0.598825332	0.393155374	0.849315537	1.952991969	23.41083201	44439.54649
1109.6	0.660997031	3.946416673	0.600053765	0.394022935	0.849402294	1.95719825	23.46114131	44463.00763
1109.8	0.661344924	3.948493736	0.60129013	0.394896099	0.84948961	1.961432516	23.51178459	44486.51942
1110	0.661693594	3.950575432	0.602534513	0.395774925	0.849577493	1.965695081	23.56276558	44510.08218
1110.2	0.662043044	3.952661791	0.603787003	0.396659477	0.849665948	1.969986262	23.61408806	44533.69627
1110.4	0.662393282	3.954752848	0.605047688	0.397549816	0.849754982	1.974306382	23.66575586	44557.36202
1110.6	0.662744311	3.956848635	0.60631666	0.398446007	0.849844601	1.978655768	23.7177729	44581.0798
1110.8	0.663096139	3.958949186	0.60759401	0.399348116	0.849934812	1.983034753	23.77014312	44604.84994
1111	0.66344877	3.961054535	0.608879832	0.400256208	0.850025621	1.987443675	23.82287057	44628.67281
1111.2	0.66380221	3.963164717	0.610174221	0.40117035	0.850117035	1.991882879	23.87595932	44652.54877
1111.4	0.664156466	3.965279765	0.611477274	0.402090611	0.850209061	1.996352713	23.92941355	44676.47818
1111.6	0.664511543	3.967399717	0.612789089	0.40301706	0.850301706	2.000853532	23.98323747	44700.46142
1111.8	0.664867447	3.969524607	0.614109765	0.403949767	0.850394977	2.005385698	24.03743538	44724.49886
1112	0.665224184	3.971654471	0.615439403	0.404888803	0.85048888	2.009949577	24.09201165	44748.59087
1112.2	0.665581761	3.973789346	0.616778107	0.405834242	0.850583424	2.01454554	24.1469707	44772.73784
1112.4	0.665940183	3.97592927	0.618125982	0.406786157	0.850678616	2.019173969	24.20231705	44796.94016
1112.6	0.666299457	3.978074279	0.619483132	0.407744624	0.850774462	2.023835246	24.25805529	44821.19821
1112.8	0.666659589	3.980224412	0.620849667	0.408709718	0.850870972	2.028529765	24.31419007	44845.5124
1113	0.667020586	3.982379707	0.622225696	0.409681517	0.850968152	2.033257923	24.37072613	44869.88313
1113.2	0.667382454	3.984540203	0.623611332	0.410660101	0.85106601	2.038020126	24.4276683	44894.3108
1113.4	0.6677452	3.986705939	0.625006686	0.411645548	0.851164555	2.042816784	24.48502146	44918.79582
1113.6	0.66810883	3.988876957	0.626411875	0.412637941	0.851263794	2.047648317	24.54279061	44943.33861
1113.8	0.668473351	3.991053295	0.627827016	0.413637362	0.851363736	2.052515151	24.60098081	44967.93959
1114	0.66883877	3.993234995	0.629252228	0.414643896	0.85146439	2.057417719	24.65959722	44992.59919
1114.2	0.669205095	3.995422099	0.630687633	0.415657628	0.851565763	2.062356461	24.71864508	45017.31783
1114.4	0.669572332	3.997614648	0.632133354	0.416678646	0.851667865	2.067331827	24.77812973	45042.09596

1114.6	0.669940487	3.999812686	0.633589516	0.417707038	0.851770704	2.072344273	24.8380566	45066.93402
1114.8	0.67030957	4.002016255	0.635056247	0.418742894	0.851874289	2.077394262	24.89843121	45091.83245
1115	0.670679586	4.004225399	0.636533677	0.419786306	0.851978631	2.082482267	24.95925918	45116.79171
1115.2	0.671050543	4.006440163	0.638021938	0.420837367	0.852083737	2.08760877	25.02054623	45141.81225
1115.4	0.671422449	4.008660592	0.639521165	0.421896173	0.852189617	2.09277426	25.08229818	45166.89455
1115.6	0.671795312	4.01088673	0.641031494	0.422962819	0.852296282	2.097979234	25.14452096	45192.03907
1115.8	0.672169139	4.013118625	0.642553064	0.424037405	0.85240374	2.1032242	25.2072206	45217.24629
1116	0.672543937	4.015356323	0.644086018	0.425120029	0.852512003	2.108509675	25.27040325	45242.5167
1116.2	0.672919716	4.017599872	0.645630499	0.426210795	0.852621079	2.113836183	25.33407515	45267.85077
1116.4	0.673296482	4.019849319	0.647186654	0.427309805	0.852730981	2.119204262	25.39824267	45293.24902
1116.6	0.673674245	4.022104713	0.648754632	0.428417166	0.852841717	2.124614455	25.4629123	45318.71193
1116.8	0.674053012	4.024366105	0.650334587	0.429532984	0.852953298	2.130067318	25.52809064	45344.24002
1117	0.674432792	4.026633543	0.651926672	0.430657369	0.853065737	2.135563417	25.59378441	45369.8338
1117.2	0.674813594	4.02890708	0.653531045	0.431790433	0.853179043	2.141103329	25.66000048	45395.4938
1117.4	0.675195425	4.031186766	0.655147868	0.432932289	0.853293229	2.146687639	25.72674581	45421.22055
1117.6	0.675578295	4.033472654	0.656777303	0.434083052	0.853408305	2.152316946	25.79402751	45447.01458
1117.8	0.675962213	4.035764796	0.658419517	0.43524284	0.853524284	2.157991861	25.86185284	45472.87643
1118	0.676347187	4.038063248	0.660074681	0.436411774	0.853641177	2.163713003	25.93022918	45498.80666
1118.2	0.676733228	4.040368063	0.661742967	0.437589975	0.853758997	2.169481006	25.99916405	45524.80582
1118.4	0.677120343	4.042679296	0.663424551	0.438777568	0.853877757	2.175296515	26.06866513	45550.87449
1118.6	0.677508543	4.044997005	0.665119614	0.439974679	0.853997468	2.181160189	26.13874023	45577.01323
1118.8	0.677897837	4.047321246	0.666828337	0.441181439	0.854118144	2.187072697	26.20939732	45603.22263
1119	0.678288235	4.049652077	0.668550908	0.442397978	0.854239798	2.193034725	26.28064453	45629.50327
1119.2	0.678679746	4.051989557	0.670287518	0.443624431	0.854362443	2.199046968	26.35249015	45655.85576
1119.4	0.679072381	4.054333745	0.672038359	0.444860935	0.854486094	2.205110138	26.42494264	45682.2807
1119.6	0.67946615	4.056684702	0.673803629	0.44610763	0.854610763	2.211224962	26.4980106	45708.77871
1119.8	0.679861063	4.05904249	0.675583531	0.447364658	0.854736466	2.217392178	26.57170284	45735.35042
1120	0.68025713	4.061407171	0.67737827	0.448632164	0.854863216	2.223612543	26.64602833	45761.99644
1120.2	0.680654363	4.063778809	0.679188054	0.449910297	0.85499103	2.229886825	26.72099621	45788.71744
1120.4	0.681052772	4.066157468	0.6810131	0.451199206	0.855119921	2.236215812	26.79661582	45815.51406
1120.6	0.681452367	4.068543213	0.682853623	0.452499048	0.855249905	2.242600305	26.8728967	45842.38695
1120.8	0.681853161	4.07093611	0.684709848	0.453809977	0.855380998	2.249041124	26.94984858	45869.3368
1121	0.682255164	4.073336228	0.686582001	0.455132156	0.855513216	2.255539105	27.02748137	45896.36428
1121.2	0.682658387	4.075743635	0.688470313	0.456465748	0.855646575	2.2620951	27.10580523	45923.47009
1121.4	0.683062844	4.078158401	0.690375023	0.457810919	0.855781092	2.268709981	27.18483049	45950.65492
1121.6	0.683468544	4.080580596	0.692296371	0.459167841	0.855916784	2.275384639	27.26456773	45977.91949
1121.8	0.683875501	4.083010292	0.694234603	0.460536688	0.856053669	2.282119983	27.34502773	46005.26451

1122	0.684283727	4.085447563	0.696189972	0.461917636	0.856191764	2.288916939	27.42622153	46032.69074
1122.2	0.684693234	4.087892482	0.698162734	0.463310869	0.856331087	2.295776458	27.50816039	46060.1989
1122.4	0.685104034	4.090345126	0.700153152	0.464716571	0.856471657	2.302699508	27.5908558	46087.78975
1122.6	0.685516142	4.092805571	0.702161494	0.466134931	0.856613493	2.30968708	27.67431953	46115.46407
1122.8	0.685929569	4.095273896	0.704188035	0.467566144	0.856756614	2.316740185	27.75856359	46143.22264
1123	0.686344329	4.097750179	0.706233053	0.469010406	0.856901041	2.323859859	27.84360026	46171.06624
1123.2	0.686760435	4.100234502	0.708296835	0.470467921	0.857046792	2.331047158	27.9294421	46198.99568
1123.4	0.687177902	4.102726947	0.710379674	0.471938893	0.857193889	2.338303164	28.01610193	46227.01178
1123.6	0.687596744	4.105227598	0.712481867	0.473423534	0.857342353	2.345628983	28.10359288	46255.11537
1123.8	0.688016974	4.107736539	0.714603721	0.47492206	0.857492206	2.353025745	28.19192837	46283.3073
1124	0.688438607	4.110253857	0.716745547	0.476434692	0.857643469	2.360494609	28.28112212	46311.58842
1124.2	0.688861658	4.112779641	0.718907665	0.477961654	0.857796165	2.368036756	28.37118818	46339.95961
1124.4	0.689286142	4.115313979	0.721090401	0.479503178	0.857950318	2.375653397	28.46214092	46368.42175
1124.6	0.689712074	4.117856964	0.72329409	0.481059498	0.85810595	2.383345773	28.55399502	46396.97575
1124.8	0.690139469	4.120408688	0.725519072	0.482630857	0.858263086	2.391115151	28.64676555	46425.62251
1125	0.690568345	4.122969246	0.727765697	0.484217502	0.85842175	2.39896283	28.74046789	46454.36298
1125.2	0.690998716	4.125538734	0.730034324	0.485819684	0.858581968	2.406890138	28.83511781	46483.1981
1125.4	0.691430599	4.12811725	0.732325318	0.487437663	0.858743766	2.414898438	28.93073146	46512.12883
1125.6	0.691864012	4.130704895	0.734639053	0.489071702	0.85890717	2.422989122	29.02732536	46541.15615
1125.8	0.69229897	4.133301769	0.736975915	0.490722074	0.859072207	2.431163619	29.12491645	46570.28107
1126	0.692735491	4.135907978	0.739336294	0.492389056	0.859238906	2.439423393	29.22352207	46599.50459
1126.2	0.693173594	4.138523626	0.741720595	0.494072931	0.859407293	2.447769941	29.32316	46628.82775
1126.4	0.693613296	4.141148822	0.744129229	0.495773991	0.859577399	2.456204801	29.42384845	46658.2516
1126.6	0.694054615	4.143783674	0.746562617	0.497492534	0.859749253	2.464729547	29.52560609	46687.77721
1126.8	0.694497571	4.146428296	0.749021194	0.499228865	0.859922887	2.473345794	29.62845205	46717.40566
1127	0.694942182	4.149082802	0.751505402	0.500433674	0.860043367	2.481896588	29.73145429	46747.13711
1127.2	0.695388468	4.151747307	0.754015695	0.501290018	0.860129002	2.490434947	29.83398921	46776.9711
1127.4	0.695836448	4.154421931	0.756552541	0.50215542	0.860215542	2.499065295	29.93700146	46806.9081
1127.6	0.696286144	4.157106795	0.759116416	0.503030042	0.860303004	2.507789311	30.04112764	46836.94923
1127.8	0.696737576	4.159802022	0.76170781	0.503914052	0.860391405	2.516608717	30.14638817	46867.09562
1128	0.697190764	4.162507738	0.764327227	0.504807622	0.860480762	2.52552528	30.25280399	46897.34842
1128.2	0.697645731	4.165224073	0.766975182	0.505710927	0.860571093	2.534540815	30.36039657	46927.70882
1128.4	0.698102499	4.167951158	0.769652204	0.506624147	0.860662415	2.543657183	30.46918799	46958.17801
1128.6	0.698561089	4.170689127	0.772358837	0.507547469	0.860754747	2.552876296	30.57920087	46988.75721
1128.8	0.699021526	4.173438116	0.775095638	0.508481082	0.860848108	2.562200117	30.69045848	47019.44767
1129	0.699483831	4.176198267	0.77786318	0.509425182	0.860942518	2.571630662	30.80298467	47050.25065
1129.2	0.699948031	4.178969721	0.780662051	0.510379969	0.861037997	2.581170003	30.91680399	47081.16746

1129.4	0.700414147	4.181752626	0.783492855	0.511345649	0.861134565	2.590820269	31.03194163	47112.1994
1129.6	0.700882207	4.184547129	0.786356212	0.512322435	0.861232244	2.600583648	31.1484235	47143.34782
1129.8	0.701352235	4.187353385	0.789252762	0.513310544	0.861331054	2.610462388	31.26627621	47174.6141
1130	0.701824258	4.190171548	0.792183159	0.514310199	0.86143102	2.620458802	31.38552714	47205.99963
1130.2	0.702298301	4.193001778	0.795148077	0.51532163	0.861532163	2.63057527	31.50620443	47237.50583
1130.4	0.702774393	4.195844239	0.798148211	0.516345075	0.861634507	2.640814237	31.62833704	47269.13417
1130.6	0.703252562	4.198699096	0.801184273	0.517380776	0.861738078	2.651178223	31.75195476	47300.88612
1130.8	0.703732836	4.201566522	0.804256997	0.518428983	0.861842898	2.661669818	31.87708824	47332.76321
1131	0.704215244	4.20444669	0.807367139	0.519489955	0.861948995	2.67229169	32.00376905	47364.76698
1131.2	0.704699816	4.20733978	0.810515475	0.520563956	0.862056396	2.683046587	32.13202966	47396.89901
1131.4	0.705186583	4.210245973	0.813702805	0.52165126	0.862165126	2.693937338	32.26190355	47429.16091
1131.6	0.705675576	4.213165459	0.816929956	0.522752147	0.862275215	2.704966859	32.39342518	47461.55434
1131.8	0.706166828	4.216098428	0.820197774	0.523866908	0.862386691	2.716138154	32.52663008	47494.08097
1132	0.706660371	4.219045078	0.823507136	0.52499584	0.862499584	2.72745432	32.66155484	47526.74252
1132.2	0.707156239	4.222005611	0.826858944	0.526139252	0.862613925	2.73891855	32.79823722	47559.54076
1132.4	0.707654467	4.224980232	0.830254126	0.527297461	0.862729746	2.750534138	32.93671613	47592.47748
1132.6	0.708155091	4.227969153	0.833693644	0.528470794	0.862847079	2.762304482	33.07703172	47625.55451
1132.8	0.708658146	4.230972593	0.837178484	0.529659588	0.862965959	2.774233088	33.21922542	47658.77373
1133	0.70916367	4.233990773	0.840709669	0.530864192	0.863086419	2.786323577	33.36333999	47692.13707
1133.2	0.709671701	4.237023922	0.844288253	0.532084965	0.863208496	2.798579685	33.50941957	47725.64649
1133.4	0.710182279	4.240072276	0.847915322	0.533322277	0.863332228	2.811005275	33.65750976	47759.304
1133.6	0.710695443	4.243136074	0.851592	0.534576514	0.863457651	2.823604334	33.80765765	47793.11166
1133.8	0.711211236	4.246215565	0.85531945	0.53584807	0.863584807	2.836380986	33.95991192	47827.07157
1134	0.7117297	4.249311003	0.859098869	0.537137354	0.863713735	2.849339495	34.11432289	47861.18589
1134.2	0.712250879	4.252422649	0.862931499	0.538444791	0.863844479	2.862484268	34.27094258	47895.45684
1134.4	0.712774817	4.25555077	0.866818623	0.539770817	0.863977082	2.875819868	34.42982482	47929.88666
1134.6	0.713301562	4.258695644	0.870761566	0.541115885	0.864111588	2.889351015	34.5910253	47964.47769
1134.8	0.713831159	4.261857554	0.874761703	0.542480464	0.864248046	2.903082597	34.75460167	47999.23229
1135	0.714363659	4.265036791	0.878820455	0.543865038	0.864386504	2.917019676	34.92061364	48034.1529
1135.2	0.714899112	4.268233658	0.882939294	0.54527011	0.864527011	2.931167497	35.08912304	48069.24203
1135.4	0.715437569	4.271448462	0.887119746	0.5466962	0.86466962	2.945531497	35.26019396	48104.50222
1135.6	0.715979084	4.274681522	0.891363392	0.548143847	0.864814385	2.960117311	35.43389285	48139.93611
1135.8	0.716523712	4.277933168	0.895671869	0.549613611	0.864961361	2.974930787	35.61028859	48175.5464
1136	0.717071509	4.281203736	0.900046879	0.551106071	0.865110607	2.989977992	35.78945267	48211.33585
1136.2	0.717622534	4.284493576	0.904490185	0.552621829	0.865262183	3.005265224	35.97145929	48247.30731
1136.4	0.718176847	4.287803048	0.909003619	0.55416151	0.865416151	3.020799025	36.1563855	48283.4637
1136.6	0.718734511	4.291132522	0.913589081	0.555725763	0.865572576	3.036586192	36.3443113	48319.80801

1136.8	0.719295589	4.294482382	0.918248547	0.55731526	0.865731526	3.05263379	36.53531989	48356.34333
1137	0.719860147	4.297853023	0.922984072	0.558930704	0.86589307	3.068949166	36.72949774	48393.07283
1137.2	0.720428255	4.301244854	0.92779779	0.560572822	0.866057282	3.085539965	36.92693479	48429.99976
1137.4	0.720999983	4.304658296	0.932691924	0.562242372	0.866224237	3.102414145	37.12772466	48467.12749
1137.6	0.721575403	4.308093788	0.937668785	0.563940144	0.866394014	3.119579991	37.33196481	48504.45945
1137.8	0.722154593	4.31155178	0.942730782	0.565666958	0.866566696	3.137046139	37.53975678	48541.99921
1138	0.722737629	4.31503274	0.947880425	0.567423671	0.866742367	3.154821592	37.75120639	48579.75042
1138.2	0.723324593	4.318537151	0.953120328	0.569211175	0.866921117	3.172915738	37.96642398	48617.71684
1138.4	0.723915569	4.322065516	0.958453221	0.571030401	0.86710304	3.191338376	38.18552468	48655.90236
1138.6	0.724510645	4.325618353	0.963881951	0.572882319	0.867288232	3.210099738	38.40862869	48694.31099
1138.8	0.725109909	4.329196202	0.969409491	0.574767946	0.867476795	3.229210515	38.63586152	48732.94685
1139	0.725713457	4.332799622	0.975038947	0.576688339	0.867668834	3.248681881	38.86735437	48771.81421
1139.2	0.726321384	4.336429193	0.980773567	0.578644607	0.867864461	3.268525527	39.10324445	48810.91745
1139.4	0.726933793	4.340085519	0.986616747	0.580637908	0.868063791	3.288753688	39.34367529	48850.26113
1139.6	0.727550788	4.343769225	0.992572042	0.582669456	0.868266946	3.309379181	39.58879722	48889.84993
1139.8	0.728172478	4.347480963	0.998643177	0.58474052	0.868474052	3.330415435	39.8387677	48929.68869
1140	0.728798977	4.351221412	1.004834055	0.586094865	0.868609486	3.351584226	40.09199797	48969.78069
1140.2	0.729430403	4.354991278	1.011148768	0.587259413	0.868725941	3.373098875	40.34809861	49010.12879
1140.4	0.73006688	4.358791297	1.017591614	0.588447592	0.868844759	3.395055902	40.60892866	49050.73772
1140.6	0.730708535	4.362622237	1.024167105	0.589660232	0.868966023	3.41747104	40.87516165	49091.61288
1140.8	0.731355503	4.366484897	1.030879984	0.59089821	0.869089821	3.440360836	41.14699126	49132.75987
1141	0.732007925	4.370380115	1.037735241	0.592162444	0.869216244	3.463742703	41.42462124	49174.18449
1141.2	0.732665946	4.374308763	1.044738128	0.593453905	0.86934539	3.48763498	41.7082661	49215.89276
1141.4	0.73332972	4.378271758	1.051894181	0.594773611	0.869477361	3.512056998	41.99815187	49257.89091
1141.6	0.733999406	4.382270055	1.059209236	0.596122641	0.869612264	3.537029152	42.2945169	49300.18543
1141.8	0.734675174	4.386304657	1.066689454	0.59750213	0.869750213	3.562572978	42.59761278	49342.78304
1142	0.735357198	4.390376615	1.074341345	0.598913278	0.869891328	3.58871124	42.90770531	49385.69075
1142.2	0.736045664	4.394487033	1.082171791	0.600357355	0.870035736	3.615468021	43.22507557	49428.91582
1142.4	0.736740766	4.398637071	1.090188081	0.601835705	0.870183571	3.642868827	43.55002109	49472.46584
1142.6	0.737442709	4.402827948	1.098397936	0.603349752	0.870334975	3.670940698	43.88285715	49516.3487
1142.8	0.738151706	4.407060948	1.106809546	0.604901007	0.870490101	3.699712333	44.22391819	49560.57262
1143	0.738867986	4.411337424	1.115431613	0.606491073	0.870649107	3.729214225	44.57355935	49605.14618
1143.2	0.739591787	4.415658805	1.124273384	0.608121658	0.870812166	3.759478813	44.93215823	49650.07834
1143.4	0.740323361	4.420026597	1.133344709	0.609794575	0.870979458	3.790540645	45.30011675	49695.37845
1143.6	0.741062977	4.424442398	1.142656082	0.611511762	0.871151176	3.822436568	45.67786328	49741.05632
1143.8	0.741810917	4.428907898	1.152218706	0.613275285	0.871327528	3.855205928	46.06585498	49787.12217
1144	0.742567481	4.433424888	1.162044555	0.615087351	0.871508735	3.888890803	46.46458039	49833.58675

1144.2	0.743332988	4.437995272	1.172146445	0.616950324	0.871695032	3.923536255	46.87456235	49880.46131
1144.4	0.744107778	4.442621077	1.182538115	0.618866737	0.871886674	3.959190619	47.29636125	49927.75767
1144.6	0.744892211	4.447304458	1.193234317	0.620839312	0.872083931	3.995905821	47.73057864	49975.48825
1144.8	0.745686674	4.45204772	1.204250917	0.622870975	0.872287097	4.033737743	48.17786138	50023.66611
1145	0.746491579	4.456853324	1.215605009	0.624964876	0.872496488	4.072746628	48.63890623	50072.30502
1145.2	0.747307367	4.461723907	1.227315046	0.627124421	0.872712442	4.112997546	49.11446505	50121.41949
1145.4	0.748134513	4.466662297	1.239400984	0.629353288	0.872935329	4.154560917	49.60535078	50171.02484
1145.6	0.748973526	4.471671539	1.251884453	0.631655468	0.873165547	4.197513111	50.11244416	50221.13728
1145.8	0.749824955	4.476754913	1.264788946	0.634035292	0.873403529	4.241937136	50.63670148	50271.77398
1146	0.750689394	4.481915961	1.278140043	0.636497478	0.873649748	4.287923428	51.17916339	50322.95315
1146.2	0.751567486	4.48715852	1.29196566	0.639047174	0.873904717	4.335570758	51.74096512	50374.69411
1146.4	0.752459929	4.492486759	1.306296347	0.641690015	0.874169001	4.384987291	52.3233483	50427.01746
1146.6	0.753367482	4.497905215	1.321165632	0.644432182	0.874443218	4.436291815	52.92767463	50479.94513
1146.8	0.754290976	4.503418845	1.336610416	0.647280482	0.874728048	4.489615181	53.55544197	50533.50058
1147	0.755231321	4.509033082	1.352671451	0.65024243	0.875024243	4.545101999	54.20830308	50587.70888
1147.2	0.756189518	4.5147539	1.369393897	0.653326354	0.875332635	4.602912647	54.88808788	50642.59697
1147.4	0.757166672	4.520587896	1.386827984	0.656541518	0.875654152	4.66322566	55.59682984	50698.1938
1147.6	0.758164006	4.526542382	1.405029814	0.659898268	0.875989827	4.726240604	56.33679758	50754.53059
1147.8	0.759182886	4.532625501	1.424062322	0.66340821	0.876340821	4.792181545	57.11053289	50811.64113
1148	0.760224837	4.538846367	1.443996446	0.667084426	0.876708443	4.861301282	57.92089696	50869.56202
1148.2	0.761291577	4.545215231	1.464912577	0.670941743	0.877094174	4.933886542	58.77112694	50928.33315
1148.4	0.762385049	4.551743698	1.48690234	0.674997056	0.877499706	5.010264443	59.66490591	50987.99806
1148.6	0.763507468	4.558444986	1.510070841	0.67851787	0.877851787	5.090374602	60.60383427	51048.60189
1148.8	0.764661374	4.565334266	1.534539513	0.681203528	0.878120353	5.174439852	61.58888673	51110.19078
1149	0.765849707	4.572429089	1.560449776	0.684047413	0.878404741	5.263512892	62.62771646	51172.81849
1149.2	0.767075899	4.579749945	1.587967818	0.687067767	0.878706777	5.358175038	63.73012758	51236.54862
1149.4	0.768343999	4.587321013	1.617290931	0.690286244	0.879028624	5.459116884	64.90375154	51301.45237
1149.6	0.769658843	4.595171159	1.648656092	0.693728854	0.879372885	5.567168504	66.15771233	51367.61009
1149.8	0.771026284	4.603335328	1.682351827	0.697427265	0.879742726	5.683341247	67.50305851	51435.11314
1150	0.772453523	4.611856511	1.718735029	0.70142065	0.880142065	5.80888703	68.95336966	51504.06651
1150.2	0.773949588	4.620788619	1.758255549	0.705758384	0.880575838	5.945385041	70.52563242	51574.59215
1150.4	0.775526067	4.630200831	1.801493435	0.710504133	0.881050413	6.094873097	72.24154883	51646.83369
1150.6	0.777198258	4.640184478	1.849217827	0.715742316	0.881574232	6.260055495	74.12957155	51720.96327
1150.8	0.778987088	4.650864513	1.902485272	0.7215889	0.88215889	6.444650094	76.22823353	51797.1915
1151	0.780922557	4.662420032	1.962815525	0.72821069	0.882821069	6.654009215	78.59195585	51875.78346
1151.2	0.783050462	4.675124478	2.03253605	0.735863148	0.883586315	6.896336788	81.30207601	51957.08553
1151.4	0.785447409	4.689435208	2.115549701	0.744974646	0.884497465	7.185401651	84.49043063	52041.57596

Limiting Q= 8.37 cfs

1151.6	0.788261517	4.706236562	2.219418033	0.756375135	0.885637513	7.547903494	88.39983087	52129.97579
1151.8	0.791870458	4.727783383	2.363448541	0.772183784	0.887218378	8.052076731	93.59988135	52223.57567
1152	0.8	4.77632	2.738285794	0.803902468	0.890390247	9.36246898	104.4872743	52328.06295
1152.2	0.804237385	4.80161888	2.913385491	0.816196865	0.891619687	9.974906336	116.0242519	52444.0872
1152.4	0.806118483	4.812849792	2.967321385	0.819983904	0.89199839	10.16388825	120.8327675	52564.91997
1152.6	0.807585289	4.82160721	2.999448607	0.822239675	0.892223967	10.27653096	122.6425152	52687.56248
1152.8	0.808834657	4.829066433	3.019813034	0.823669536	0.892366954	10.34796041	123.7469482	52811.30943
1153	0.809943791	4.835688408	3.032335266	0.824548769	0.892454877	10.391894	124.4391265	52935.74856
1153.2	0.81095262	4.841711525	3.039025754	0.825018533	0.892501853	10.41537069	124.8435882	53060.59215
1153.4	0.811885018	4.84727831	3.041070437	0.825162097	0.89251621	10.42254589	125.0274995	53185.61965
1153.6	0.812756619	4.852482115	3.039230572	0.825032914	0.892503291	10.41608943	125.031812	53310.65146
1153.8	0.813578331	4.85738807	3.034021928	0.824667195	0.89246672	10.39781221	124.8834099	53435.53487
1154	0.81435813	4.862043778	3.02580597	0.824090323	0.892409032	10.36898526	124.6007848	53560.13565
1154.2	0.815102053	4.866485299	3.014840564	0.823320401	0.89233204	10.33051711	124.1970142	53684.33267
1154.4	0.815814808	4.870740732	3.001310028	0.822370372	0.892237037	10.28305907	123.6814571	53808.01412
1154.6	0.816500148	4.874832486	2.985343754	0.821249321	0.892124932	10.22707044	123.0607771	53931.0749
1154.8	0.817161124	4.878778776	2.967028068	0.819963309	0.891996331	10.1628601	122.3395832	54053.41448
1155	0.817800256	4.882594647	2.946413831	0.818515907	0.891851591	10.09061323	121.52084	54174.93532
1155.2	0.818419654	4.886292702	2.923521179	0.816908529	0.891690853	10.01040804	120.6061276	54295.54145
1155.4	0.819021108	4.889883621	2.898342201	0.81514062	0.891514062	9.922225263	119.5957998	54415.13725
1155.6	0.819606149	4.893376553	2.870842002	0.813209729	0.891320973	9.825952074	118.489064	54533.62632
1155.8	0.820176103	4.896779405	2.840958327	0.811111486	0.891111149	9.721381008	117.2839985	54650.91031
1156	0.820732123	4.900099066	2.80859			08204084	115.9775106	54766.88782
1156.2	0.821275222	4.903341586	2.77364			86001583	114.565234	54881.45306
1156.4	0.821806296	4.906512307	2.73592			54224374	113.0413557	54994.49441
1156.6	0.822326139	4.909615981	2.695241335	0.800880157	0.890088016	9.212167726	111.3983526	55105.89277
1156.8	0.822835464	4.912656852	2.651327348	0.797796794	0.889779679	9.058933238	109.6266058	55215.51937
1157	0.823334907	4.91563873	2.603847595	0.794463065	0.889446306	8.893373283	107.7138391	55323.23321
1157.2	0.823825046	4.918565055	2.552369456	0.790848594	0.889084859	8.71400847	105.6442905	55428.8775
1157.4	0.824306402	4.92143894	2.496326648	0.786768357	0.888676836	8.51876224	103.3966243	55532.27413
1157.6	0.824779448	4.924263218	2.434960625	0.780032882	0.888003288	8.303051679	100.9308835	55633.20501
1157.8	0.825244619	4.927040471	2.3672225	0.77259801	0.887259801	8.065310839	98.21017511	55731.41519
1158	0.825702309	4.929773065	2.291597429	0.764297475	0.886429748	7.800346099	95.19394163	55826.60913
1158.2	0.826152883	4.932463173	2.205760245	0.754876069	0.885487607	7.500185704	91.80319082	55918.41232
1158.4	0.826596676	4.935112795	2.105807883		0539	7.151449226	87.90980958	56006.32213
1158.6	0.827033997	4.937723776	1.984176121	0.730555209	0.883055521	6.728208684	83.27794746	56089.60007
1158.8	0.827465133	4.940297828	1.821552382	0.712705784	0.881270578	6.164277202	77.35491532	56166.95499

Summation of Volumes will determine total volume to be detained onsite (3,602 CF)

Limiting Q= 8.37 cfs

1159	0.827890348	4.942836536	1.427284592	0.664002455	0.876400246	4.803350655	65.80576715	56232.76076
1159.2	0.828309891	4.945341374	1.231907091	0.627971278	0.872797128	4.128787087	53.59282645	56286.35358
1159.4	0.828723991	4.947813718	1.156833654	0.614126366	0.871412637	3.871025145	47.99887339	56334.35246
1159.6	0.829132864	4.950254851	1.102694064	0.604142037	0.870414204	3.685634211	45.33995613	56379.69241
1159.8	0.82953671	4.952665972	1.05942462	0.596162362	0.869616236	3.537764546	43.34039254	56423.03281
1160	0.829935717	4.955048207	1.02308399	0.589460486	0.868946049	3.413778394	41.70925764	56464.74206
1160.2	0.830330063	4.957402611	0.991637878	0.582350781	0.868235078	3.306143196	40.31952954	56505.06159
1160.4	0.830719914	4.959730176	0.963873135	0.572879312	0.867287931	3.210069261	39.09727474	56544.15887
1160.6	0.831105426	4.962031837	0.938997612	0.564393451	0.866439345	3.124164389	38.0054019	56582.16427
1160.8	0.831486747	4.964308474	0.916460604	0.556705334	0.865670533	3.046475291	37.02383808	56619.18811
1161	0.831864016	4.966560919	0.89586121	0.549678201	0.86496782	2.975581892	36.13234309	56655.32045
1161.2	0.832237364	4.968789959	0.876897089	0.543208914	0.864320891	2.910414617	35.31597905	56690.63643
1161.4	0.832606917	4.970996338	0.859333764	0.537217485	0.863721748	2.850145002	34.56335771	56725.19979
1161.6	0.832972793	4.973180761	0.84298521	0.531640454	0.863164045	2.794116573	33.86556945	56759.06536
1161.8	0.833335103	4.975343897	0.82770104	0.526426519	0.862642652	2.741799245	33.21549491	56792.28085
1162	0.833693954	4.977486382	0.813357732	0.521533544	0.862153354	2.692758131	32.60734426	56824.8882
1162.2	0.834049447	4.979608821	0.79985245	0.516926447	0.861692645	2.646631577	32.03633825	56856.92453
1162.4	0.83440168	4.981711788	0.787098574	0.512575679	0.861257568	2.603115277	31.49848113	56888.42302
1162.6	0.834750742	4.983795832	0.775022389	0.508456094	0.860845609	2.561950545	30.99039494	56919.41341
1162.8	0.835096723	4.985861475	0.763560602	0.504546101	0.86045461	2.522915482	30.50919616	56949.92261
1163	0.835439705	4.987909216	0.752658427	0.500827009	0.860082701	2.485818212	30.05240216	56979.97501
1163.2	0.835779769	4.989939531	0.742268106	0.494459602	0.85944596	2.449687008	29.61303132	57009.58804
1163.4	0.83611699	4.991952877	0.732347737	0.487453496	0.85874535	2.41497682	29.18798297	57038.77602
1163.6	0.836451442	4.993949688	0.722860345	0.480753173	0.858075317	2.3818315	28.78084992	57067.55687
1163.8	0.836783194	4.995930383	0.713773125	0.474335465	0.857433547	2.350130005	28.39176903	57095.94864
1164	0.837112314	4.997895361	0.705056837	0.468179722	0.856817972	2.319764617	28.01936773	57123.96801
1164.2	0.837438866	4.999845006	0.696685297	0.462267452	0.856226745	2.290639043	27.66242196	57151.63043
1164.4	0.837762911	5.001779687	0.688634968	0.456582032	0.855658203	2.262666851	27.31983537	57178.95027
1164.6	0.838084509	5.003699755	0.680884608	0.451108461	0.855110846	2.235770163	26.99062208	57205.94089
1164.8	0.838403717	5.005605552	0.673414982	0.445833154	0.854583315	2.20987856	26.67389233	57232.61478
1165	0.838720589	5.007497404	0.666208616	0.44074377	0.854074377	2.184928162	26.36884033	57258.98362
1165.2	0.839035178	5.009375625	0.659249586	0.435829063	0.853582906	2.16086084	26.07473401	57285.05836
1165.4	0.839347534	5.011240518	0.652523339	0.431078756	0.853107876	2.137623551	25.79090635	57310.84926
1165.6	0.839657707	5.013092373	0.646016545	0.426483434	0.852648343	2.115167757	25.51674785	57336.36601
1165.8	0.839965743	5.014931473	0.639716957	0.422034448	0.852203445	2.093448937	25.25170017	57361.61771
1166	0.840271688	5.016758087	0.633613301	0.417723836	0.851772384	2.072426155	24.99525055	57386.61296
1166.2	0.840575586	5.018572478	0.627695174	0.413544251	0.851354425	2.052061687	24.74692705	57411.35989

1166.4	0.840877478	5.020374897	0.62195296	0.409488902	0.85094889	2.032320696	24.5062943	57435.86618
1166.6	0.841177407	5.022165588	0.616377748	0.405551495	0.850555149	2.013170947	24.27294986	57460.13913
1166.8	0.84147541	5.023944787	0.610961268	0.40172619	0.850172619	1.994582558	24.04652103	57484.18565
1167	0.841771526	5.025712721	0.60569583	0.398007556	0.849800756	1.976527774	23.82666199	57508.01231
1167.2	0.842065793	5.02746961	0.600574275	0.394390537	0.849439054	1.958980776	23.6130513	57531.62537
1167.4	0.842358245	5.029215667	0.595589921	0.390870415	0.849087041	1.941917506	23.40538969	57555.03076
1167.6	0.842648918	5.030951098	0.590736527	0.387442781	0.848744278	1.925315509	23.20339809	57578.23415
1167.8	0.842937844	5.032676103	0.586008255	0.384103512	0.848410351	1.909153801	23.00681586	57601.24097
1168	0.843225056	5.034390876	0.581399632	0.380848744	0.848084874	1.893412739	22.81539924	57624.05637
1168.2	0.843510586	5.036095604	0.576905528	0.377674853	0.847767485	1.878073915	22.62891992	57646.68529
1168.4	0.843794464	5.037790469	0.57252112	0.374578433	0.847457843	1.863120052	22.4471638	57669.13245
1168.6	0.84407672	5.039475646	0.568241874	0.371556282	0.847155628	1.848534918	22.26992982	57691.40238
1168.8	0.844357381	5.041151308	0.56406352	0.368605385	0.846860538	1.834303243	22.09702897	57713.49941
1169	0.844636477	5.04281762	0.559982034	0.365722898	0.84657229	1.820410646	21.92828334	57735.42769
1169.2	0.844914033	5.044474743	0.555993617	0.362906141	0.846290614	1.806843568	21.76352529	57757.19122
1169.4	0.845190077	5.046122834	0.552094681	0.360152578	0.846015258	1.793589212	21.60259668	57778.79382
1169.6	0.845464633	5.047762046	0.548281834	0.357459814	0.845745981	1.780635485	21.44534818	57800.23916
1169.8	0.845737727	5.049392526	0.544551864	0.354825581	0.845482558	1.767970955	21.29163864	57821.5308
1170	0.846009383	5.051014417	0.540901729	0.35224773	0.845224773	1.755584797	21.14133452	57842.67214
1170.2	0.846279623	5.052627861	0.537328544	0.349724223	0.844972422	1.743466756	20.99430932	57863.66645
1170.4	0.846548471	5.054232993	0.53382957	0.347253128	0.844725313	1.731607107	20.85044318	57884.51689
1170.6	0.84681595	5.055829946	0.530402208	0.344832607	0.844483261	1.719996619	20.70962236	57905.22651
1170.8	0.84708208	5.057418848	0.527043985	0.342460914	0.844246091	1.708626525	20.57173887	57925.79825
1171	0.847346882	5.058999825	0.523752549	0.340136388	0.844013639	1.69748849	20.43669009	57946.23494
1171.2	0.847610378	5.060573	0.52052566	0.337857448	0.843785745	1.686574584	20.30437845	57966.53932
1171.4	0.847872587	5.062138491	0.517361184	0.335622586	0.843562259	1.675877258	20.17471105	57986.71403
1171.6	0.848133528	5.063696416	0.514257089	0.333430367	0.843343037	1.665389318	20.04759945	58006.76163
1171.8	0.848393221	5.065246886	0.511211431	0.331279419	0.843127942	1.655103905	19.92295934	58026.68459
1172	0.848651684	5.066790013	0.508222359	0.329168433	0.842916843	1.645014477	19.80071029	58046.4853
1172.2	0.848908935	5.068325903	0.505288101	0.327096159	0.842709616	1.635114785	19.68077557	58066.16608
1172.4	0.849164991	5.069854664	0.502406966	0.325061402	0.84250614	1.625398862	19.56308188	58085.72916
1172.6	0.849419871	5.071376395	0.499577333	0.322635309	0.842263531	1.615778952	19.44706689	58105.17622
1172.8	0.84967359	5.072891199	0.496797654	0.31785936	0.841785936	1.605877548	19.329939	58124.50616
1173	0.849926165	5.074399173	0.494066444	0.313166689	0.841316669	1.596158726	19.21221765	58143.71838
1173.2	0.850177611	5.075900411	0.491382281	0.308554852	0.840855485	1.586616907	19.0966538	58162.81504
1173.4	0.850427946	5.077395007	0.488743802	0.304021508	0.840402151	1.577246753	18.98318196	58181.79822
1173.6	0.850677183	5.078883053	0.486149698	0.299564408	0.839956441	1.568043149	18.87173941	58200.66996

1173.8	0.850925338	5.080364637	0.483598715	0.295181397	0.83951814	1.55900119	18.76226603	58219.43222
1174	0.851172425	5.081839846	0.481089646	0.290870402	0.83908704	1.550116176	18.6547042	58238.08693
1174.2	0.851418459	5.083308765	0.478621335	0.286629435	0.838662944	1.541383595	18.54899863	58256.63593
1174.4	0.851663453	5.084771478	0.476192668	0.282456583	0.838245658	1.532799116	18.44509627	58275.08102
1174.6	0.851907421	5.086228065	0.473802574	0.278350006	0.837835001	1.52435858	18.34294618	58293.42397
1174.8	0.852150376	5.087678606	0.471450025	0.274307936	0.837430794	1.51605799	18.24249942	58311.66647
1175	0.852392332	5.08912318	0.469134027	0.270328669	0.837032867	1.507893503	18.14370896	58329.81018
1175.2	0.852633301	5.090561861	0.466853628	0.266410566	0.836641057	1.499861425	18.04652957	58347.85671
1175.4	0.852873296	5.091994725	0.464607908	0.262552047	0.836255205	1.4919582	17.95091775	58365.80762
1175.6	0.853112328	5.093421844	0.462395981	0.25875159	0.835875159	1.484180405	17.85683163	58383.66446
1175.8	0.85335041	5.09484329	0.460216992	0.255007726	0.835500773	1.476524744	17.7642309	58401.42869
1176	0.853587554	5.096259133	0.458070117	0.25131904	0.835131904	1.468988042	17.67307671	58419.10176
1176.2	0.853823771	5.097669442	0.455954562	0.247684167	0.834768417	1.461567237	17.58333167	58436.68509
1176.4	0.854059072	5.099074283	0.453869559	0.244101787	0.834410179	1.454259379	17.4949597	58454.18005
1176.6	0.854293468	5.100473722	0.451814367	0.240570627	0.834057063	1.447061623	17.40792601	58471.58798
1176.8	0.85452697	5.101867824	0.449788271	0.237089458	0.833708946	1.43997122	17.32219706	58488.91018
1177	0.854759589	5.103256652	0.447790578	0.233657091	0.833365709	1.432985521	17.23774044	58506.14792
1177.2	0.854991335	5.104640267	0.44582062	0.230272377	0.833027238	1.426101965	17.15452491	58523.30244
1177.4	0.855222218	5.106018731	0.443877751	0.226934206	0.832693421	1.419318079	17.07252026	58540.37496
1177.6	0.855452248	5.107392103	0.441961345	0.223641504	0.83236415	1.412631475	16.99169732	58557.36666
1177.8	0.855681435	5.108760441	0.440070798	0.22039323	0.832039323	1.406039841	16.91202789	58574.27869
1178	0.855909789	5.110123803	0.438205523	0.217188378	0.831718838	1.399540946	16.83348472	58591.11217
1178.2	0.856137318	5.111482245	0.436364953	0.214025975	0.831402597	1.393132628	16.75604144	58607.86821
1178.4	0.856364033	5.112835821	0.434548539	0.210905076	0.831090508	1.386812798	16.67967255	58624.54789
1178.6	0.856589941	5.114184586	0.43275575	0.207824767	0.830782477	1.380579432	16.60435338	58641.15224
1178.8	0.856815053	5.115528594	0.430986069	0.204784162	0.830478416	1.374430571	16.53006002	58657.6823
1179	0.857039377	5.116867895	0.429238997	0.201782403	0.83017824	1.36836432	16.45676934	58674.13907
1179.2	0.857262921	5.118202542	0.427514048	0.198818656	0.829881866	1.362378839	16.38445895	58690.52353
1179.4	0.857485694	5.119532585	0.425810754	0.195892114	0.829589211	1.356472349	16.31310713	58706.83664
1179.6	0.857707703	5.120858072	0.424128657	0.193001993	0.829300199	1.350643123	16.24269283	58723.07933
1179.8	0.857928958	5.122179053	0.422467315	0.190147533	0.829014753	1.344889487	16.17319566	58739.25252
1180	0.858149466	5.123495574	0.420826299	0.187327996	0.8287328	1.339209819	16.10459584	58755.35712
1180.2	0.858369235	5.124807683	0.419205191	0.184542664	0.828454266	1.333602545	16.03687418	58771.39399
1180.4	0.858588273	5.126115426	0.417603587	0.181790842	0.828179084	1.328066134	15.97001207	58787.36401
1180.6	0.858806587	5.127418847	0.416021091	0.179071853	0.827907185	1.322599106	15.90399145	58803.268
1180.8	0.859024185	5.128717991	0.414457323	0.17638504	0.827638504	1.31720002	15.83879476	58819.10679
1181	0.859241073	5.130012902	0.41291191	0.173729764	0.827372976	1.311867478	15.77440499	58834.8812

1181.2	0.85945726	5.131303623	0.41138449	0.171105405	0.827110541	1.306600121	15.71080559	58850.592
1181.4	0.859672751	5.132590195	0.409874714	0.168511359	0.826851136	1.30139663	15.64798051	58866.23998
1181.6	0.859887555	5.133872659	0.408382237	0.165947038	0.826594704	1.296255723	15.58591412	58881.8259
1181.8	0.860101678	5.135151058	0.406906729	0.16341187	0.826341187	1.291176152	15.52459125	58897.35049
1182	0.860315126	5.136425431	0.405447866	0.160905301	0.82609053	1.286156707	15.46399716	58912.81449
1182.2	0.860527907	5.137695816	0.404005332	0.15842679	0.825842679	1.281196208	15.40411749	58928.2186
1182.4	0.860740026	5.138962254	0.402578821	0.155975808	0.825597581	1.276293508	15.34493829	58943.56354
1182.6	0.860951491	5.140224781	0.401168035	0.153551844	0.825355184	1.271447493	15.286446	58958.84999
1182.8	0.861162307	5.141483437	0.399772683	0.151154399	0.82511544	1.266657076	15.22862741	58974.07862
1183	0.86137248	5.142738256	0.398392482	0.148782985	0.824878298	1.261921202	15.17146967	58989.25008
1183.2	0.861582017	5.143989277	0.397027156	0.146437128	0.824643713	1.257238841	15.11496025	59004.36505
1183.4	0.861790924	5.145236534	0.395676436	0.144116368	0.824411637	1.252608992	15.05908699	59019.42413
1183.6	0.861999206	5.146480062	0.39434006	0.141820252	0.824182025	1.248030679	15.00383802	59034.42797
1183.8	0.86220687	5.147719897	0.393017773	0.139548344	0.823954834	1.243502953	14.94920179	59049.37717
1184	0.862413921	5.148956073	0.391709325	0.137300215	0.823730021	1.239024887	14.89516704	59064.27234
1184.2	0.862620364	5.150188622	0.390414474	0.135075446	0.823507545	1.234595578	14.84172279	59079.11406
1184.4	0.862826206	5.151417579	0.389132983	0.132873633	0.823287363	1.230214149	14.78885836	59093.90292
1184.6	0.863031451	5.152642975	0.387864621	0.130694377	0.823069438	1.22587974	14.73656333	59108.63948
1184.8	0.863236105	5.153864843	0.386609162	0.12853729	0.822853729	1.221591517	14.68482754	59123.32431
1185	0.863440174	5.155083215	0.385366386	0.126401995	0.8226402	1.217348663	14.63364108	59137.95795
1185.2	0.863643662	5.15629812	0.384136079	0.124288123	0.822428812	1.213150384	14.58299428	59152.54095
1185.4	0.863846575	5.157509591	0.38291803	0.122195314	0.822219531	1.208995903	14.53287772	59167.07382
1185.6	0.864048918	5.158717657	0.381712035	0.120123215	0.822012321	1.204884464	14.4832822	59181.55711
1185.8	0.864250695	5.159922348	0.380517893	0.118071482	0.821807148	1.200815328	14.43419875	59195.99131
1186	0.864451912	5.161123693	0.379335411	0.116039781	0.821603978	1.196787773	14.3856186	59210.37692
1186.2	0.864652573	5.162321722	0.378164396	0.114027783	0.821402778	1.192801095	14.33753321	59224.71446
1186.4	0.864852684	5.163516462	0.377004662	0.112035168	0.821203517	1.188854608	14.28993422	59239.00439
1186.6	0.865052248	5.164707942	0.375856027	0.110061624	0.821006162	1.184947639	14.24281348	59253.2472
1186.8	0.865251271	5.165896189	0.374718313	0.108106843	0.820810684	1.181079533	14.19616303	59267.44337
1187	0.865449757	5.167081231	0.373591346	0.106170527	0.820617053	1.177249649	14.14997509	59281.59334
1187.2	0.865647711	5.168263095	0.372474956	0.104252384	0.820425238	1.173457361	14.10424206	59295.69758
1187.4	0.865845137	5.169441806	0.371368976	0.102352127	0.820235213	1.169702058	14.05895652	59309.75654
1187.6	0.866042039	5.170617392	0.370273244	0.100469478	0.820046948	1.165983142	14.0141112	59323.77065
1187.8	0.866238423	5.171789878	0.3691876	0.1	0.82	1.162497914	13.97088634	59337.74154
1188	0.866434291	5.172959289	0.368111889	0.1	0.82	1.159110715	13.92965177	59351.67119
1188.2	0.866629648	5.174125651	0.367045958	0.1	0.82	1.155754312	13.88919016	59365.56038
1188.4	0.866824499	5.175288988	0.365989658	0.1	0.82	1.152428236	13.84909528	59379.40948

1188.6	0.867018847	5.176449325	0.364942844	0.1	0.82	1.149132028	13.80936158	59393.21884
1188.8	0.867212697	5.177606685	0.363905373	0.1	0.82	1.145865238	13.76998359	59406.98882
1189	0.867406052	5.178761093	0.362877104	0.1	0.82	1.142627426	13.73095598	59420.71978
1189.2	0.867598917	5.179912571	0.361857902	0.1	0.82	1.139418161	13.69227352	59434.41205
1189.4	0.867791294	5.181061144	0.360847631	0.1	0.82	1.136237022	13.6539311	59448.06598
1189.6	0.867983189	5.182206834	0.359846162	0.1	0.82	1.133083594	13.6159237	59461.68191
1189.8	0.868174605	5.183349662	0.358853365	0.1	0.82	1.129957474	13.57824641	59475.26015
1190	0.868365545	5.184489653	0.357869114	0.1	0.82	1.126858266	13.54089444	59488.80105
1190.2	0.868556014	5.185626827	0.356893286	0.1	0.82	1.12378558	13.50386307	59502.30491
1190.4	0.868746015	5.186761206	0.355925761	0.1	0.82	1.120739036	13.46714769	59515.77206
1190.6	0.868935551	5.187892811	0.354966419	0.1	0.82	1.117718262	13.43074379	59529.2028
1190.8	0.869124626	5.189021664	0.354015146	0.1	0.82	1.114722892	13.39464692	59542.59745
1191	0.869313243	5.190147786	0.353071827	0.1	0.82	1.111752568	13.35885276	59555.9563
1191.2	0.869501406	5.191271197	0.35213635	0.1	0.82	1.108806939	13.32335704	59569.27966
1191.4	0.869689119	5.192391917	0.351208607	0.1	0.82	1.10588566	13.28815559	59582.56781
1191.6	0.869876384	5.193509966	0.350288489	0.1	0.82	1.102988396	13.25324434	59595.82106
1191.8	0.870063206	5.194625364	0.349375894	0.1	0.82	1.100114814	13.21861926	59609.03968
1192	0.870249587	5.195738132	0.348470716	0.1	0.82	1.09726459	13.18427642	59622.22395
1192.2	0.87043553	5.196848287	0.347572855	0.1	0.82	1.094437406	13.15021197	59635.37417
1192.4	0.870621039	5.197955849	0.346682212	0.1	0.82	1.091632949	13.11642213	59648.49059
1192.6	0.870806116	5.199060838	0.34579869	0.1	0.82	1.088850914	13.08290318	59661.57349
1192.8	0.870990766	5.200163271	0.344922193	0.1	0.82	1.086091	13.04965149	59674.62314
1193	0.871174991	5.201263167	0.344052627	0.1	0.82	1.083352913	13.01666348	59687.63981
1193.2	0.871358794	5.202360544	0.343189901	0.1	0.82	1.080636362	12.98393565	59700.62374
1193.4	0.871542178	5.20345542	0.342333925	0.1	0.82	1.077941064	12.95146455	59713.57521
1193.6	0.871725146	5.204547813	0.34148461	0.1	0.82	1.07526674	12.91924683	59726.49445
1193.8	0.871907701	5.205637741	0.340641869	0.1	0.82	1.072613117	12.88727915	59739.38173
1194	0.872089847	5.20672522	0.339805617	0.1	0.82	1.069979927	12.85555826	59752.23729
1194.2	0.872271584	5.207810268	0.33897577	0.1	0.82	1.067366904	12.82408098	59765.06137
1194.4	0.872452918	5.208892902	0.338152246	0.1	0.82	1.064773791	12.79284417	59777.85422
1194.6	0.87263385	5.209973138	0.337334964	0.1	0.82	1.062200334	12.76184475	59790.61606
1194.8	0.872814383	5.211050993	0.336523845	0.1	0.82	1.059646282	12.73107969	59803.34714
1195	0.87299452	5.212126484	0.33571881	0.1	0.82	1.05711139	12.70054603	59816.04769
1195.2	0.873174264	5.213199626	0.334919784	0.1	0.82	1.054595417	12.67024084	59828.71793
1195.4	0.873353617	5.214270435	0.334126692	0.1	0.82	1.052098128	12.64016127	59841.35809
1195.6	0.873532582	5.215338928	0.333339459	0.1	0.82	1.049619288	12.61030449	59853.96839
1195.8	0.873711162	5.21640512	0.332558013	0.1	0.82	1.04715867	12.58066775	59866.54906

1196	0.873889358	5.217469026	0.331782282	0.1	0.82	1.044716049	12.55124832	59879.10031
1196.2	0.874067175	5.218530661	0.331012197	0.1	0.82	1.042291205	12.52204353	59891.62235
1196.4	0.874244614	5.219590041	0.330247688	0.1	0.82	1.039883921	12.49305076	59904.1154
1196.6	0.874421677	5.220647181	0.329488689	0.1	0.82	1.037493983	12.46426742	59916.57967
1196.8	0.874598368	5.221702094	0.328735132	0.1	0.82	1.035121182	12.43569099	59929.01536
1197	0.874774688	5.222754797	0.327986951	0.1	0.82	1.032765312	12.40731897	59941.42268
1197.2	0.87495064	5.223805303	0.327244084	0.1	0.82	1.030426171	12.3791489	59953.80183
1197.4	0.875126227	5.224853627	0.326506466	0.1	0.82	1.02810356	12.35117839	59966.15301
1197.6	0.875301451	5.225899782	0.325774035	0.1	0.82	1.025797282	12.32340505	59978.47641
1197.8	0.875476314	5.226943783	0.325046731	0.1	0.82	1.023507145	12.29582656	59990.77224
1198	0.875650818	5.227985643	0.324324492	0.1	0.82	1.021232961	12.26844064	60003.04068
1198.2	0.875824966	5.229025377	0.32360726	0.1	0.82	1.018974541	12.24124501	60015.28192
1198.4	0.87599876	5.230062997	0.322894977	0.1	0.82	1.016731705	12.21423748	60027.49616
1198.6	0.876172202	5.231098517	0.322187586	0.1	0.82	1.01450427	12.18741585	60039.68358
1198.8	0.876345295	5.232131951	0.321485029	0.1	0.82	1.012292061	12.16077799	60051.84436
1199	0.876518041	5.233163311	0.320787253	0.1	0.82	1.010094902	12.13432177	60063.97868
1199.2	0.876690441	5.23419261	0.320094201	0.1	0.82	1.007912622	12.10804514	60076.08672
1199.4	0.876862499	5.235219862	0.319405822	0.1	0.82	1.005745051	12.08194604	60088.16867
1199.6	0.877034215	5.236245078	0.318722061	0.1	0.82	1.003592025	12.05602246	60100.22469
1199.8	0.877205593	5.237268272	0.318042867	0.1	0.82	1.001453379	12.03027242	60112.25496
1200	0.877376634	5.238289455	0.317368189	0.1	0.82	0.999328952	12.00469399	60124.25966
1200.2	0.87754734	5.239308641	0.316697976	0.1	0.82	0.997218586	11.97928523	60136.23894
1200.4	0.877717714	5.240325841	0.316032179	0.1	0.82	0.995122125	11.95404427	60148.19299
1200.6	0.877887757	5.241341067	0.315370749	0.1	0.82	0.993039415	11.92896924	60160.12196
1200.8	0.878057472	5.242354332	0.314713639	0.1	0.82	0.990970305	11.90405832	60172.02601
1201	0.87822686	5.243365646	0.3140608	0.1	0.82	0.988914646	11.87930971	60183.90532
1201.2	0.878395924	5.244375023	0.313412186	0.1	0.82	0.986872292	11.85472163	60195.76005
1201.4	0.878564664	5.245382473	0.312767752	0.1	0.82	0.984843098	11.83029234	60207.59034
1201.6	0.878733084	5.246388007	0.312127453	0.1	0.82	0.982826923	11.80602013	60219.39636
1201.8	0.878901186	5.247391638	0.311491243	0.1	0.82	0.980823625	11.78190329	60231.17826
1202	0.87906897	5.248393376	0.310859079	0.1	0.82	0.978833068	11.75794016	60242.9362
1202.2	0.879236439	5.249393233	0.310230918	0.1	0.82	0.976855115	11.7341291	60254.67033
1202.4	0.879403594	5.250391219	0.309606718	0.1	0.82	0.974889633	11.71046849	60266.3808
1202.6	0.879570438	5.251387346	0.308986436	0.1	0.82	0.97293649	11.68695674	60278.06776
1202.8	0.879736973	5.252381623	0.308370032	0.1	0.82	0.970995556	11.66359228	60289.73135
1203	0.8799032	5.253374063	0.307757464	0.1	0.82	0.969066703	11.64037355	60301.37172
1203.2	0.88006912	5.254364675	0.307148693	0.1	0.82	0.967149805	11.61729905	60312.98902

1203.4	0.880234736	5.25535347	0.30654368	0.1	0.82	0.965244738	11.59436726	60324.58339
1203.6	0.88040005	5.256340459	0.305942384	0.1	0.82	0.96335138	11.57157671	60336.15497
1203.8	0.880565063	5.257325651	0.305344769	0.1	0.82	0.961469609	11.54892593	60347.70389
1204	0.880729776	5.258309057	0.304750796	0.1	0.82	0.959599307	11.5264135	60359.2303
1204.2	0.880894192	5.259290686	0.304160429	0.1	0.82	0.957740358	11.50403799	60370.73434
1204.4	0.881058313	5.26027055	0.303573629	0.1	0.82	0.955892644	11.48179801	60382.21614
1204.6	0.881222139	5.261248658	0.302990362	0.1	0.82	0.954056053	11.45969218	60393.67583
1204.8	0.881385672	5.262225019	0.302410592	0.1	0.82	0.952230472	11.43771915	60405.11355
1205	0.881548915	5.263199643	0.301834283	0.1	0.82	0.950415791	11.41587758	60416.52943
1205.2	0.881711869	5.26417254	0.301261401	0.1	0.82	0.948611901	11.39416615	60427.9236
1205.4	0.881874534	5.26514372	0.300691912	0.1	0.82	0.946818693	11.37258356	60439.29618
1205.6	0.882036914	5.266113192	0.300125782	0.1	0.82	0.945036062	11.35112853	60450.64731
1205.8	0.882199009	5.267080965	0.299562978	0.1	0.82	0.943263904	11.3297998	60461.97711
1206	0.882360822	5.268047049	0.299003466	0.1	0.82	0.941502115	11.30859611	60473.2857
1206.2	0.882522352	5.269011452	0.298447216	0.1	0.82	0.939750593	11.28751625	60484.57322
1206.4	0.882683603	5.269974184	0.297894194	0.1	0.82	0.938009238	11.26655899	60495.83978
1206.6	0.882844576	5.270935255	0.29734437	0.1	0.82	0.936277952	11.24572314	60507.0855
1206.8	0.883005271	5.271894671	0.296797712	0.1	0.82	0.934556637	11.22500753	60518.31051
1207	0.883165691	5.272852444	0.296254191	0.1	0.82	0.932845196	11.204411	60529.51492
1207.2	0.883325838	5.273808581	0.295713775	0.1	0.82	0.931143534	11.18393238	60540.69885
1207.4	0.883485711	5.274763092	0.295176435	0.1	0.82	0.929451558	11.16357056	60551.86242
1207.6	0.883645314	5.275715984	0.294642142	0.1	0.82	0.927769176	11.14332441	60563.00575
1207.8	0.883804647	5.276667266	0.294110866	0.1	0.82	0.926096296	11.12319283	60574.12894
1208	0.883963712	5.277616947	0.29358258	0.1	0.82	0.924432828	11.10317474	60585.23212
1208.2	0.88412251	5.278565036	0.293057255	0.1	0.82	0.922778684	11.08326907	60596.31538
1208.4	0.884281043	5.27951154	0.292534862	0.1	0.82	0.921133775	11.06347475	60607.37886
1208.6	0.884439312	5.280456468	0.292015376	0.1	0.82	0.919498016	11.04379074	60618.42265
1208.8	0.884597318	5.281399828	0.291498768	0.1	0.82	0.917871321	11.02421602	60629.44687
1209	0.884755063	5.282341628	0.290985012	0.1	0.82	0.916253605	11.00474956	60640.45162
1209.2	0.884912548	5.283281876	0.290474081	0.1	0.82	0.914644787	10.98539036	60651.43701
1209.4	0.885069774	5.28422058	0.28996595	0.1	0.82	0.913044784	10.96613742	60662.40314
1209.6	0.885226743	5.285157748	0.289460593	0.1	0.82	0.911453514	10.94698978	60673.35013
1209.8	0.885383456	5.286093388	0.288957983	0.1	0.82	0.909870898	10.92794647	60684.27808
1210	0.885539915	5.287027508	0.288458097	0.1	0.82	0.908296857	10.90900653	60695.18709
1210.2	0.88569612	5.287960115	0.28796091	0.1	0.82	0.906731313	10.89016902	60706.07726
1210.4	0.885852073	5.288891217	0.287466397	0.1	0.82	0.90517419	10.87143302	60716.94869
1210.6	0.886007775	5.289820821	0.286974533	0.1	0.82	0.903625411	10.8527976	60727.80149

1210.8	0.886163228	5.290748935	0.286485296	0.1	0.82	0.902084901	10.83426187	60738.63575
1211	0.886318432	5.291675567	0.285998662	0.1	0.82	0.900552586	10.81582492	60749.45157
1211.2	0.886473389	5.292600724	0.285514607	0.1	0.82	0.899028394	10.79748588	60760.24906
1211.4	0.886628101	5.293524413	0.285033108	0.1	0.82	0.897512252	10.77924387	60771.0283
1211.6	0.886782568	5.294446641	0.284554144	0.1	0.82	0.896004088	10.76109804	60781.7894
1211.8	0.886936791	5.295367416	0.284077691	0.1	0.82	0.894503833	10.74304753	60792.53245
1212	0.887090772	5.296286745	0.283603727	0.1	0.82	0.893011417	10.7250915	60803.25754
1212.2	0.887244512	5.297204634	0.283132232	0.1	0.82	0.891526771	10.70722913	60813.96477
1212.4	0.887398012	5.298121092	0.282663182	0.1	0.82	0.890049827	10.68945959	60824.65423
1212.6	0.887551274	5.299036124	0.282196557	0.1	0.82	0.888580519	10.67178208	60835.32601
1212.8	0.887704297	5.299949738	0.281732336	0.1	0.82	0.88711878	10.6541958	60845.98021
1213	0.887857085	5.30086194	0.281270498	0.1	0.82	0.885664545	10.63669995	60856.61691
1213.2	0.888009637	5.301772738	0.280811023	0.1	0.82	0.884217749	10.61929376	60867.2362
1213.4	0.888161955	5.302682138	0.28035389	0.1	0.82	0.882778329	10.60197647	60877.83818
1213.6	0.88831404	5.303590147	0.279899079	0.1	0.82	0.881346221	10.58474729	60888.42292
1213.8	0.888465894	5.304496771	0.279446571	0.1	0.82	0.879921363	10.5676055	60898.99053
1214	0.888617516	5.305402018	0.278996346	0.1	0.82	0.878503693	10.55055034	60909.54108
1214.2	0.888768909	5.306305893	0.278548384	0.1	0.82	0.877093152	10.53358107	60920.07466
1214.4	0.888920073	5.307208403	0.278102667	0.1	0.82	0.875689678	10.51669698	60930.59136
1214.6	0.889071009	5.308109554	0.277659176	0.1	0.82	0.874293213	10.49989735	60941.09125
1214.8	0.889221719	5.309009354	0.277217892	0.1	0.82	0.872903697	10.48318146	60951.57444
1215	0.889372204	5.309907807	0.276778796	0.1	0.82	0.871521073	10.46654862	60962.04098
1215.2	0.889522464	5.310804921	0.276341871	0.1	0.82	0.870145284	10.44999814	60972.49098
1215.4	0.889672501	5.311700702	0.275907098	0.1	0.82	0.868776272	10.43352933	60982.92451
1215.6	0.889822316	5.312595155	0.275474461	0.1	0.82	0.867413982	10.41714152	60993.34165
1215.8	0.889971909	5.313488287	0.27504394	0.1	0.82	0.866058358	10.40083404	61003.74249
1216	0.890121282	5.314380105	0.274615519	0.1	0.82	0.864709346	10.38460623	61014.12709
1216.2	0.890270436	5.315270614	0.274189181	0.1	0.82	0.863366892	10.36845743	61024.49555
1216.4	0.890419372	5.316159819	0.273764908	0.1	0.82	0.862030942	10.352387	61034.84794
1216.6	0.890568091	5.317047728	0.273342684	0.1	0.82	0.860701443	10.33639431	61045.18433
1216.8	0.890716593	5.317934346	0.272922492	0.1	0.82	0.859378344	10.32047872	61055.50481
1217	0.89086488	5.318819678	0.272504317	0.1	0.82	0.858061592	10.30463962	61065.80945
1217.2	0.891012952	5.319703731	0.27208814	0.1	0.82	0.856751137	10.28887637	61076.09833
1217.4	0.891160812	5.32058651	0.271673948	0.1	0.82	0.855446927	10.27318838	61086.37152
1217.6	0.891308459	5.321468022	0.271261723	0.1	0.82	0.854148914	10.25757505	61096.62909
1217.8	0.891455894	5.322348271	0.270851451	0.1	0.82	0.852857047	10.24203577	61106.87113
1218	0.891603119	5.323227264	0.270443114	0.1	0.82	0.851571279	10.22656996	61117.0977

1218.2	0.891750135	5.324105006	0.2700367	0.1	0.82	0.85029156	10.21117703	61127.30887
1218.4	0.891896942	5.324981502	0.269632191	0.1	0.82	0.849017843	10.19585641	61137.50473
1218.6	0.892043541	5.325856758	0.269229573	0.1	0.82	0.84775008	10.18060754	61147.68534
1218.8	0.892189934	5.32673078	0.268828832	0.1	0.82	0.846488226	10.16542984	61157.85077
1219	0.89233612	5.327603572	0.268429952	0.1	0.82	0.845232233	10.15032276	61168.00109
1219.2	0.892482102	5.328475141	0.26803292	0.1	0.82	0.843982057	10.13528574	61178.13638
1219.4	0.89262788	5.329345492	0.26763772	0.1	0.82	0.842737652	10.12031826	61188.25669
1219.6	0.892773454	5.33021463	0.267244339	0.1	0.82	0.841498974	10.10541976	61198.36211
1219.8	0.892918826	5.33108256	0.266852762	0.1	0.82	0.840265977	10.0905897	61208.4527
1220	0.893063997	5.331949287	0.266462976	0.1	0.82	0.839038619	10.07582758	61218.52853
1220.2	0.893208967	5.332814818	0.266074967	0.1	0.82	0.837816857	10.06113286	61228.58966
1220.4	0.893353738	5.333679156	0.265688722	0.1	0.82	0.836600647	10.04650502	61238.63617
1220.6	0.893498309	5.334542307	0.265304226	0.1	0.82	0.835389947	10.03194356	61248.66811
1220.8	0.893642683	5.335404276	0.264921467	0.1	0.82	0.834184715	10.01744797	61258.68556
1221	0.89378686	5.336265068	0.264540431	0.1	0.82	0.832984911	10.00301775	61268.68858
1221.2	0.89393084	5.337124689	0.264161106	0.1	0.82	0.831790492	9.988652415	61278.67723
1221.4	0.894074625	5.337983142	0.263783479	0.1	0.82	0.830601419	9.974351465	61288.65158
1221.6	0.894218215	5.338840433	0.263407536	0.1	0.82	0.829417651	9.960114418	61298.6117
1221.8	0.894361612	5.339696568	0.263033266	0.1	0.82	0.828239149	9.945940797	61308.55764
1222	0.894504815	5.34055155	0.262660656	0.1	0.82	0.827065873	9.931830129	61318.48947
1222.2	0.894647827	5.341405385	0.262289693	0.1	0.82	0.825897784	9.917781943	61328.40725
1222.4	0.894790647	5.342258077	0.261920365	0.1	0.82	0.824734845	9.903795776	61338.31105
1222.6	0.894933276	5.343109632	0.26155266	0.1	0.82	0.823577017	9.889871169	61348.20092
1222.8	0.895075716	5.343960054	0.261186567	0.1	0.82	0.822424261	9.876007668	61358.07692
1223	0.895217966	5.344809347	0.260822073	0.1	0.82	0.821276542	9.862204823	61367.93913
1223.2	0.895360029	5.345657516	0.260459166	0.1	0.82	0.820133822	9.848462189	61377.78759
1223.4	0.895501904	5.346504567	0.260097836	0.1	0.82	0.818996065	9.834779326	61387.62237
1223.6	0.895643592	5.347350503	0.25973807	0.1	0.82	0.817863234	9.821155797	61397.44353
1223.8	0.895785095	5.348195329	0.259379857	0.1	0.82	0.816735294	9.807591172	61407.25112
1224	0.895926412	5.34903905	0.259023186	0.1	0.82	0.81561221	9.794085023	61417.0452
1224.2	0.896067545	5.34988167	0.258668047	0.1	0.82	0.814493945	9.780636927	61426.82584
1224.4	0.896208494	5.350723194	0.258314426	0.1	0.82	0.813380466	9.767246467	61436.59309
1224.6	0.896349261	5.351563625	0.257962315	0.1	0.82	0.812271738	9.753913227	61446.347
1224.8	0.896489845	5.35240297	0.257611702	0.1	0.82	0.811167728	9.740636799	61456.08764
1225	0.896630248	5.353241231	0.257262577	0.1	0.82	0.810068401	9.727416775	61465.81505
1225.2	0.89677047	5.354078414	0.256914928	0.1	0.82	0.808973725	9.714252755	61475.52931
1225.4	0.896910512	5.354914522	0.256568745	0.1	0.82	0.807883665	9.701144339	61485.23045

1225.6	0.897050375	5.35574956	0.256224019	0.1	0.82	0.806798191	9.688091136	61494.91854
1225.8	0.89719006	5.356583532	0.255880738	0.1	0.82	0.805717268	9.675092754	61504.59363
1226	0.897329566	5.357416443	0.255538893	0.1	0.82	0.804640866	9.662148807	61514.25578
1226.2	0.897468896	5.358248297	0.255198473	0.1	0.82	0.803568953	9.649258914	61523.90504
1226.4	0.897608049	5.359079097	0.254859469	0.1	0.82	0.802501496	9.636422695	61533.54146
1226.6	0.897747027	5.359908848	0.254521871	0.1	0.82	0.801438466	9.623639776	61543.1651
1226.8	0.897885829	5.360737555	0.254185668	0.1	0.82	0.800379831	9.610909786	61552.77601
1227	0.898024457	5.36156522	0.253850852	0.1	0.82	0.799325561	9.598232357	61562.37425
1227.2	0.898162912	5.362391849	0.253517412	0.1	0.82	0.798275626	9.585607125	61571.95985
1227.4	0.898301193	5.363217445	0.253185339	0.1	0.82	0.797229996	9.57303373	61581.53289
1227.6	0.898439303	5.364042013	0.252854624	0.1	0.82	0.79618864	9.560511815	61591.0934
1227.8	0.89857724	5.364865556	0.252525258	0.1	0.82	0.795151531	9.548041027	61600.64144
1228	0.898715007	5.365688078	0.25219723	0.1	0.82	0.794118638	9.535621016	61610.17706
1228.2	0.898852604	5.366509584	0.251870533	0.1	0.82	0.793089934	9.523251434	61619.70031
1228.4	0.89899003	5.367330077	0.251545157	0.1	0.82	0.792065389	9.510931938	61629.21124
1228.6	0.899127288	5.368149561	0.251221092	0.1	0.82	0.791044976	9.498662189	61638.70991
1228.8	0.899264378	5.36896804	0.250898331	0.1	0.82	0.790028666	9.486441849	61648.19635
1229	0.899401299	5.369785518	0.250576865	0.1	0.82	0.789016432	9.474270586	61657.67062
1229.2	0.899538054	5.370601998	0.250256684	0.1	0.82	0.788008246	9.462148067	61667.13277
1229.4	0.899674642	5.371417485	0.24993778	0.1	0.82	0.787004082	9.450073966	61676.58284
1229.6	0.899811065	5.372231982	0.249620145	0.1	0.82	0.786003912	9.438047959	61686.02089
1229.8	0.899947322	5.373045493	0.249303769	0.1	0.82	0.785007709	9.426069725	61695.44696
1230	0.900083415	5.373858022	0.248988646	0.1	0.82	0.784015448	9.414138944	61704.8611
1230.2	0.900219344	5.374669572	0.248674766	0.1	0.82	0.783027102	9.402255303	61714.26335
1230.4	0.90035511	5.375480147	0.248362121	0.1	0.82	0.782042646	9.390418487	61723.65377
1230.6	0.900490713	5.376289751	0.248050703	0.1	0.82	0.781062053	9.378628189	61733.0324
1230.8	0.900626154	5.377098388	0.247740504	0.1	0.82	0.780085298	9.366884102	61742.39928
1231	0.900761433	5.37790606	0.247431515	0.1	0.82	0.779112356	9.355185921	61751.75447
1231.2	0.900896552	5.378712772	0.24712373	0.1	0.82	0.778143202	9.343533346	61761.098
1231.4	0.90103151	5.379518527	0.24681714	0.1	0.82	0.777177811	9.331926079	61770.42993
1231.6	0.901166308	5.380323328	0.246511738	0.1	0.82	0.776216159	9.320363824	61779.75029
1231.8	0.901300948	5.38112718	0.246207515	0.1	0.82	0.775258222	9.308846289	61789.05914
1232	0.901435429	5.381930085	0.245904464	0.1	0.82	0.774303975	9.297373182	61798.35651
1232.2	0.901569752	5.382732048	0.245602577	0.1	0.82	0.773353395	9.285944218	61807.64246
1232.4	0.901703918	5.383533071	0.245301847	0.1	0.82	0.772406457	9.274559112	61816.91702
1232.6	0.901837927	5.384333158	0.245002267	0.1	0.82	0.771463139	9.26321758	61826.18023
1232.8	0.90197178	5.385132313	0.244703829	0.1	0.82	0.770523418	9.251919343	61835.43215

1233	0.902105477	5.385930538	0.244406526	0.1	0.82	0.76958727	9.240664125	61844.67282
1233.2	0.902239019	5.386727838	0.244110351	0.1	0.82	0.768654672	9.229451649	61853.90227
1233.4	0.902372406	5.387524215	0.243815295	0.1	0.82	0.767725602	9.218281645	61863.12055
1233.6	0.90250564	5.388319673	0.243521354	0.1	0.82	0.766800038	9.207153843	61872.3277
1233.8	0.90263872	5.389114215	0.243228518	0.1	0.82	0.765877958	9.196067974	61881.52377
1234	0.902771648	5.389907845	0.242936782	0.1	0.82	0.764959338	9.185023774	61890.7088
1234.2	0.902904423	5.390700565	0.242646138	0.1	0.82	0.764044159	9.174020981	61899.88282
1234.4	0.903037046	5.39149238	0.242356579	0.1	0.82	0.763132397	9.163059333	61909.04588
1234.6	0.903169518	5.392283291	0.2420681	0.1	0.82	0.762224032	9.152138574	61918.19801
1234.8	0.90330184	5.393073303	0.241780692	0.1	0.82	0.761319042	9.141258446	61927.33927
1235	0.903434011	5.393862419	0.241494349	0.1	0.82	0.760417407	9.130418697	61936.46969
1235.2	0.903566033	5.394650642	0.241209065	0.1	0.82	0.759519105	9.119619075	61945.58931
1235.4	0.903697905	5.395437974	0.240924834	0.1	0.82	0.758624117	9.108859332	61954.69817
1235.6	0.903829629	5.39622442	0.240641648	0.1	0.82	0.75773242	9.098139219	61963.79631
1235.8	0.903961206	5.397009982	0.240359501	0.1	0.82	0.756843995	9.087458493	61972.88377
1236	0.904092634	5.397794663	0.240078386	0.1	0.82	0.755958823	9.07681691	61981.96058
1236.2	0.904223916	5.398578466	0.239798298	0.1	0.82	0.755076882	9.06621423	61991.0268
1236.4	0.904355051	5.399361395	0.239519231	0.1	0.82	0.754198154	9.055650215	62000.08245
1236.6	0.90448604	5.400143453	0.239241177	0.1	0.82	0.753322618	9.045124628	62009.12757
1236.8	0.904616884	5.400924642	0.238964131	0.1	0.82	0.752450255	9.034637234	62018.16221
1237	0.904747582	5.401704965	0.238688086	0.1	0.82	0.751581046	9.024187801	62027.1864
1237.2	0.904878137	5.402484427	0.238413037	0.1	0.82	0.750714971	9.0137761	62036.20017
1237.4	0.905008547	5.403263028	0.238138977	0.1	0.82	0.749852012	9.0034019	62045.20358
1237.6	0.905138814	5.404040773	0.237865901	0.1	0.82	0.74899215	8.993064976	62054.19664
1237.8	0.905268938	5.404817665	0.237593803	0.1	0.82	0.748135367	8.982765103	62063.17941
1238	0.905398919	5.405593705	0.237322676	0.1	0.82	0.747281643	8.972502058	62072.15191
1238.2	0.905528758	5.406368899	0.237052515	0.1	0.82	0.746430961	8.96227562	62081.11418
1238.4	0.905658456	5.407143247	0.236783315	0.1	0.82	0.745583301	8.952085571	62090.06627
1238.6	0.905788013	5.407916753	0.236515068	0.1	0.82	0.744738648	8.941931693	62099.0082
1238.8	0.905917429	5.40868942	0.236247771	0.1	0.82	0.743896981	8.931813772	62107.94002
1239	0.906046705	5.40946125	0.235981416	0.1	0.82	0.743058284	8.921731592	62116.86175
1239.2	0.906175842	5.410232248	0.235716	0.1	0.82	0.74222254	8.911684943	62125.77343
1239.4	0.90630484	5.411002414	0.235451515	0.1	0.82	0.741389729	8.901673614	62134.67511
1239.6	0.906433698	5.411771753	0.235187956	0.1	0.82	0.740559837	8.891697398	62143.5668
1239.8	0.906562419	5.412540266	0.234925319	0.1	0.82	0.739732844	8.881756087	62152.44856
1240	0.906691002	5.413307958	0.234663597	0.1	0.82	0.738908735	8.871849478	62161.32041
1240.2	0.906819447	5.414074829	0.234402786	0.1	0.82	0.738087492	8.861977366	62170.18239

1240.4	0.906947756	5.414840884	0.23414288	0.1	0.82	0.737269099	8.85213955	62179.03453
1240.6	0.907075929	5.415606125	0.233883873	0.1	0.82	0.736453539	8.842335831	62187.87686
1240.8	0.907203965	5.416370554	0.233625761	0.1	0.82	0.735640796	8.832566009	62196.70943
1241	0.907331866	5.417134174	0.233368538	0.1	0.82	0.734830853	8.82282989	62205.53226
1241.2	0.907459632	5.417896988	0.233112199	0.1	0.82	0.734023694	8.813127277	62214.34538
1241.4	0.907587264	5.418658999	0.23285674	0.1	0.82	0.733219303	8.803457977	62223.14884
1241.6	0.907714761	5.419420209	0.232602154	0.1	0.82	0.732417664	8.793821798	62231.94266
1241.8	0.907842125	5.420180621	0.232348438	0.1	0.82	0.731618761	8.784218551	62240.72688
1242	0.907969355	5.420940237	0.232095585	0.1	0.82	0.73082258	8.774648046	62249.50153
1242.2	0.908096453	5.421699061	0.231843592	0.1	0.82	0.730029103	8.765110096	62258.26664
1242.4	0.908223418	5.422457094	0.231592453	0.1	0.82	0.729238316	8.755604515	62267.02225
1242.6	0.908350251	5.423214339	0.231342163	0.1	0.82	0.728450204	8.746131119	62275.76838
1242.8	0.908476953	5.423970799	0.231092718	0.1	0.82	0.727664751	8.736689725	62284.50507
1243	0.908603523	5.424726476	0.230844113	0.1	0.82	0.726881942	8.727280153	62293.23235
1243.2	0.908729963	5.425481373	0.230596342	0.1	0.82	0.726101762	8.717902221	62301.95025
1243.4	0.908856273	5.426235492	0.230349402	0.1	0.82	0.725324197	8.708555752	62310.6588
1243.6	0.908982453	5.426988836	0.230103287	0.1	0.82	0.724549231	8.699240569	62319.35804
1243.8	0.909108503	5.427741408	0.229857994	0.1	0.82	0.723776851	8.689956495	62328.048
1244	0.909234425	5.428493209	0.229613517	0.1	0.82	0.723007042	8.680703357	62336.7287
1244.2	0.909360218	5.429244243	0.229369852	0.1	0.82	0.722239789	8.671480981	62345.40019
1244.4	0.909485882	5.429994511	0.229126994	0.1	0.82	0.721475078	8.662289197	62354.06247
1244.6	0.909611419	5.430744016	0.228884939	0.1	0.82	0.720712895	8.653127834	62362.7156
1244.8	0.909736829	5.431492761	0.228643682	0.1	0.82	0.719953226	8.643996722	62371.3596
1245	0.909862111	5.432240748	0.228403219	0.1	0.82	0.719196057	8.634895696	62379.9945
1245.2	0.909987267	5.432987979	0.228163546	0.1	0.82	0.718441374	8.625824587	62388.62032
1245.4	0.910112297	5.433734457	0.227924658	0.1	0.82	0.717689164	8.616783232	62397.2371
1245.6	0.910237201	5.434480184	0.227686551	0.1	0.82	0.716939413	8.607771466	62405.84487
1245.8	0.910361979	5.435225162	0.227449221	0.1	0.82	0.716192108	8.598789127	62414.44366
1246	0.910486633	5.435969395	0.227212663	0.1	0.82	0.715447235	8.589836055	62423.0335
1246.2	0.910611162	5.436712883	0.226976874	0.1	0.82	0.71470478	8.580912088	62431.61441
1246.4	0.910735567	5.43745563	0.226741848	0.1	0.82	0.713964731	8.572017069	62440.18643
1246.6	0.910859848	5.438197637	0.226507582	0.1	0.82	0.713227075	8.563150839	62448.74958
1246.8	0.910984006	5.438938908	0.226274072	0.1	0.82	0.712491799	8.554313243	62457.30389
1247	0.91110804	5.439679444	0.226041314	0.1	0.82	0.711758889	8.545504125	62465.8494
1247.2	0.911231952	5.440419248	0.225809303	0.1	0.82	0.711028333	8.536723331	62474.38612
1247.4	0.911355742	5.441158321	0.225578036	0.1	0.82	0.710300119	8.52797071	62482.91409
1247.6	0.91147941	5.441896667	0.225347508	0.1	0.82	0.709574233	8.519246108	62491.43334

1247.8	0.911602956	5.442634287	0.225117716	0.1	0.82	0.708850663	8.510549376	62499.94389
1248	0.911726381	5.443371184	0.224888655	0.1	0.82	0.708129397	8.501880364	62508.44577
1248.2	0.911849685	5.444107359	0.224660322	0.1	0.82	0.707410423	8.493238924	62516.93901
1248.4	0.911972869	5.444842816	0.224432714	0.1	0.82	0.706693728	8.484624909	62525.42363
1248.6	0.912095933	5.445577555	0.224205825	0.1	0.82	0.705979301	8.476038173	62533.89967
1248.8	0.912218877	5.44631158	0.223979652	0.1	0.82	0.705267128	8.467478571	62542.36715
1249	0.912341701	5.447044893	0.223754192	0.1	0.82	0.704557199	8.458945959	62550.82609
1249.2	0.912464407	5.447777495	0.22352944	0.1	0.82	0.703849501	8.450440195	62559.27653
1249.4	0.912586994	5.44850939	0.223305393	0.1	0.82	0.703144022	8.441961136	62567.71849
1249.6	0.912709463	5.449240578	0.223082048	0.1	0.82	0.702440752	8.433508643	62576.152
1249.8	0.912831814	5.449971062	0.2228594	0.1	0.82	0.701739677	8.425082574	62584.57709
1250	0.912954047	5.450700845	0.222637445	0.1	0.82	0.701040788	8.416682793	62592.99377
1250.2	0.913076164	5.451429927	0.222416181	0.1	0.82	0.700344072	8.408309161	62601.40208
1250.4	0.913198163	5.452158313	0.222195604	0.1	0.82	0.699649518	8.399961542	62609.80204
1250.6	0.913320046	5.452886003	0.22197571	0.1	0.82	0.698957115	8.3916398	62618.19368
1250.8	0.913441813	5.453612999	0.221756495	0.1	0.82	0.698266852	8.3833438	62626.57702
1251	0.913563464	5.454339304	0.221537956	0.1	0.82	0.697578717	8.37507341	62634.9521
1251.2	0.913684999	5.45506492	0.22132009	0.1	0.82	0.696892699	8.366828496	62643.31892
1251.4	0.91380642	5.455789848	0.221102893	0.1	0.82	0.696208789	8.358608927	62651.67753
1251.6	0.913927725	5.456514092	0.220886361	0.1	0.82	0.695526973	8.350414572	62660.02795
1251.8	0.914048917	5.457237652	0.220670491	0.1	0.82	0.694847243	8.342245301	62668.37019
1252	0.914169994	5.45796053	0.220455281	0.1	0.82	0.694169588	8.334100986	62676.70429
1252.2	0.914290957	5.45868273	0.220240725	0.1	0.82	0.693493995	8.325981498	62685.03028
1252.4	0.914411807	5.459404253	0.220026822	0.1	0.82	0.692820456	8.317886711	62693.34816
1252.6	0.914532544	5.4601251	0.219813567	0.1	0.82	0.69214896	8.309816499	62701.65798
1252.8	0.914653168	5.460845274	0.219600958	0.1	0.82	0.691479496	8.301770736	62709.95975
1253	0.91477368	5.461564777	0.219388991	0.1	0.82	0.690812054	8.293749299	62718.2535
1253.2	0.914894079	5.46228361	0.219177662	0.1	0.82	0.690146623	8.285752063	62726.53925
1253.4	0.915014367	5.463001776	0.21896697	0.1	0.82	0.689483194	8.277778906	62734.81703
1253.6	0.915134543	5.463719277	0.21875691	0.1	0.82	0.688821757	8.269829708	62743.08686
1253.8	0.915254608	5.464436114	0.218547479	0.1	0.82	0.688162301	8.261904346	62751.34876
1254	0.915374563	5.46515229	0.218338674	0.1	0.82	0.687504816	8.254002701	62759.60277
1254.2	0.915494407	5.465867805	0.218130492	0.1	0.82	0.686849293	8.246124654	62767.84889
1254.4	0.91561414	5.466582663	0.21792293	0.1	0.82	0.686195722	8.238270087	62776.08716
1254.6	0.915733764	5.467296865	0.217715985	0.1	0.82	0.685544092	8.230438883	62784.3176
1254.8	0.915853278	5.468010413	0.217509653	0.1	0.82	0.684894395	8.222630924	62792.54023
1255	0.915972683	5.468723309	0.217303932	0.1	0.82	0.684246621	8.214846095	62800.75508

1255.2	0.91609198	5.469435555	0.217098818	0.1	0.82	0.683600759	8.207084281	62808.96216
1255.4	0.916211167	5.470147152	0.21689431	0.1	0.82	0.682956802	8.199345368	62817.16151
1255.6	0.916330246	5.470858102	0.216690402	0.1	0.82	0.682314739	8.191629243	62825.35314
1255.8	0.916449217	5.471568408	0.216487094	0.1	0.82	0.68167456	8.183935793	62833.53707
1256	0.916568081	5.472278071	0.216284381	0.1	0.82	0.681036257	8.176264906	62841.71334
1256.2	0.916686837	5.472987092	0.21608226	0.1	0.82	0.680399821	8.168616471	62849.88195
1256.4	0.916805486	5.473695475	0.21588073	0.1	0.82	0.679765242	8.160990378	62858.04294
1256.6	0.916924028	5.474403219	0.215679786	0.1	0.82	0.679132511	8.153386518	62866.19633
1256.8	0.917042464	5.475110329	0.215479427	0.1	0.82	0.678501619	8.145804781	62874.34214
1257	0.917160794	5.475816804	0.215279649	0.1	0.82	0.677872558	8.138245061	62882.48038
1257.2	0.917279018	5.476522646	0.215080449	0.1	0.82	0.677245317	8.130707248	62890.61109
1257.4	0.917397136	5.477227859	0.214881825	0.1	0.82	0.676619889	8.123191238	62898.73428
1257.6	0.917515149	5.477932443	0.214683773	0.1	0.82	0.675996265	8.115696924	62906.84998
1257.8	0.917633056	5.4786364	0.214486292	0.1	0.82	0.675374435	8.108224201	62914.9582
1258	0.917750859	5.479339731	0.214289378	0.1	0.82	0.674754392	8.100772965	62923.05897
1258.2	0.917868558	5.48004244	0.214093028	0.1	0.82	0.674136126	8.093343112	62931.15232
1258.4	0.917986153	5.480744526	0.21389724	0.1	0.82	0.67351963	8.085934539	62939.23825
1258.6	0.918103643	5.481445993	0.213702012	0.1	0.82	0.672904894	8.078547144	62947.3168
1258.8	0.918221031	5.482146841	0.213507339	0.1	0.82	0.67229191	8.071180825	62955.38798
1259	0.918338315	5.482847073	0.213313221	0.1	0.82	0.67168067	8.063835482	62963.45181
1259.2	0.918455495	5.48354669	0.213119654	0.1	0.82	0.671071166	8.056511014	62971.50833
1259.4	0.918572574	5.484245693	0.212926635	0.1	0.82	0.670463388	8.049207322	62979.55753
1259.6	0.918689549	5.484944086	0.212734162	0.1	0.82	0.66985733	8.041924307	62987.59946
1259.8	0.918806423	5.485641868	0.212542233	0.1	0.82	0.669252982	8.034661871	62995.63412
1260	0.918923195	5.486339042	0.212350844	0.1	0.82	0.668650337	8.027419915	63003.66154
1260.2	0.919039865	5.487035609	0.212159993	0.1	0.82	0.668049387	8.020198344	63011.68174
1260.4	0.919156434	5.487731572	0.211969678	0.1	0.82	0.667450123	8.012997061	63019.69473
1260.6	0.919272902	5.488426932	0.211779897	0.1	0.82	0.666852538	8.00581597	63027.70055
1260.8	0.919389269	5.489121689	0.211590645	0.1	0.82	0.666256624	7.998654977	63035.69921
1261	0.919505535	5.489815847	0.211401922	0.1	0.82	0.665662373	7.991513986	63043.69072
1261.2	0.919621701	5.490509407	0.211213725	0.1	0.82	0.665069778	7.984392905	63051.67511
1261.4	0.919737768	5.491202369	0.211026051	0.1	0.82	0.664478829	7.97729164	63059.6524
1261.6	0.919853735	5.491894737	0.210838898	0.1	0.82	0.663889521	7.970210099	63067.62261
1261.8	0.919969602	5.492586511	0.210652263	0.1	0.82	0.663301844	7.963148189	63075.58576
1262	0.92008537	5.493277693	0.210466143	0.1	0.82	0.662715792	7.956105819	63083.54187
1262.2	0.920201039	5.493968284	0.210280538	0.1	0.82	0.662131358	7.9490829	63091.49095
1262.4	0.92031661	5.494658287	0.210095443	0.1	0.82	0.661548532	7.94207934	63099.43303

1262.6	0.920432082	5.495347702	0.209910858	0.1	0.82	0.660967309	7.93509505	63107.36813
1262.8	0.920547456	5.496036532	0.209726779	0.1	0.82	0.660387681	7.928129941	63115.29626
1263	0.920662732	5.496724778	0.209543204	0.1	0.82	0.65980964	7.921183924	63123.21744
1263.2	0.920777911	5.497412441	0.209360131	0.1	0.82	0.659233179	7.914256913	63131.1317
1263.4	0.920892993	5.498099523	0.209177557	0.1	0.82	0.658658291	7.907348819	63139.03904
1263.6	0.921007977	5.498786026	0.20899548	0.1	0.82	0.658084969	7.900459557	63146.9395
1263.8	0.921122864	5.49947195	0.208813899	0.1	0.82	0.657513205	7.893589039	63154.83309
1264	0.921237655	5.500157298	0.20863281	0.1	0.82	0.656942992	7.88673718	63162.71983
1264.2	0.92135235	5.500842071	0.208452212	0.1	0.82	0.656374324	7.879903896	63170.59973
1264.4	0.921466949	5.501526271	0.208272101	0.1	0.82	0.655807193	7.873089101	63178.47282
1264.6	0.921581452	5.502209898	0.208092477	0.1	0.82	0.655241592	7.866292712	63186.33912
1264.8	0.921695859	5.502892956	0.207913337	0.1	0.82	0.654677515	7.859514646	63194.19863
1265	0.921810171	5.503575444	0.207734678	0.1	0.82	0.654114955	7.852754819	63202.05139
1265.2	0.921924388	5.504257365	0.207556499	0.1	0.82	0.653553904	7.84601315	63209.8974
1265.4	0.92203851	5.504938719	0.207378797	0.1	0.82	0.652994356	7.839289555	63217.73669
1265.6	0.922152537	5.505619509	0.20720157	0.1	0.82	0.652436304	7.832583955	63225.56927
1265.8	0.922266471	5.506299736	0.207024816	0.1	0.82	0.651879741	7.825896268	63233.39517
1266	0.92238031	5.506979402	0.206848533	0.1	0.82	0.651324661	7.819226415	63241.21439
1266.2	0.922494055	5.507658507	0.206672719	0.1	0.82	0.650771058	7.812574314	63249.02697
1266.4	0.922607707	5.508337053	0.206497372	0.1	0.82	0.650218924	7.805939887	63256.83291
1266.6	0.922721265	5.509015043	0.206322489	0.1	0.82	0.649668252	7.799323056	63264.63223
1266.8	0.922834731	5.509692476	0.206148068	0.1	0.82	0.649119038	7.792723741	63272.42496
1267	0.922948103	5.510369355	0.205974109	0.1	0.82	0.648571273	7.786141865	63280.2111
1267.2	0.923061383	5.51104568	0.205800607	0.1	0.82	0.648024952	7.779577351	63287.99068
1267.4	0.92317457	5.511721454	0.205627562	0.1	0.82	0.647480068	7.773030122	63295.76371
1267.6	0.923287666	5.512396678	0.205454972	0.1	0.82	0.646936615	7.766500102	63303.53021
1267.8	0.923400669	5.513071353	0.205282834	0.1	0.82	0.646394587	7.759987214	63311.29019
1268	0.92351358	5.513745481	0.205111146	0.1	0.82	0.645853977	7.753491383	63319.04368
1268.2	0.923626401	5.514419062	0.204939907	0.1	0.82	0.645314779	7.747012535	63326.7907
1268.4	0.92373913	5.515092099	0.204769114	0.1	0.82	0.644776987	7.740550594	63334.53125
1268.6	0.923851768	5.515764593	0.204598766	0.1	0.82	0.644240594	7.734105487	63342.26535
1268.8	0.923964315	5.516436544	0.20442886	0.1	0.82	0.643705596	7.72767714	63349.99303
1269	0.924076771	5.517107955	0.204259395	0.1	0.82	0.643171984	7.721265481	63357.7143
1269.2	0.924189138	5.517778827	0.204090369	0.1	0.82	0.642639755	7.714870435	63365.42917
1269.4	0.924301414	5.518449161	0.20392178	0.1	0.82	0.642108901	7.708491932	63373.13766
1269.6	0.9244136	5.519118959	0.203753625	0.1	0.82	0.641579416	7.702129899	63380.83979
1269.8	0.924525697	5.519788221	0.203585904	0.1	0.82	0.641051295	7.695784265	63388.53557

1270	0.924637704	5.52045695	0.203418614	0.1	0.82	0.640524532	7.689454959	63396.22503
1270.2	0.924749622	5.521125146	0.203251753	0.1	0.82	0.63999912	7.683141911	63403.90817
1270.4	0.924861452	5.52179281	0.20308532	0.1	0.82	0.639475055	7.67684505	63411.58501
1270.6	0.924973192	5.522459945	0.202919312	0.1	0.82	0.63895233	7.670564307	63419.25558
1270.8	0.925084844	5.523126552	0.202753728	0.1	0.82	0.638430939	7.664299612	63426.91988
1271	0.925196407	5.523792631	0.202588566	0.1	0.82	0.637910877	7.658050898	63434.57793
1271.2	0.925307883	5.524458184	0.202423824	0.1	0.82	0.637392139	7.651818095	63442.22975
1271.4	0.92541927	5.525123213	0.202259501	0.1	0.82	0.636874717	7.645601135	63449.87535
1271.6	0.92553057	5.525787718	0.202095594	0.1	0.82	0.636358608	7.639399951	63457.51475
1271.8	0.925641783	5.526451701	0.201932103	0.1	0.82	0.635843805	7.633214476	63465.14796
1272	0.925752908	5.527115163	0.201769024	0.1	0.82	0.635330302	7.627044642	63472.77501
1272.2	0.925863946	5.527778106	0.201606356	0.1	0.82	0.634818095	7.620890385	63480.3959
1272.4	0.925974898	5.528440531	0.201444099	0.1	0.82	0.634307178	7.614751637	63488.01065
1272.6	0.926085763	5.529102438	0.201282249	0.1	0.82	0.633797544	7.608628333	63495.61928
1272.8	0.926196541	5.52976383	0.201120805	0.1	0.82	0.63328919	7.602520407	63503.2218
1273	0.926307234	5.530424708	0.200959765	0.1	0.82	0.632782109	7.596427796	63510.81823
1273.2	0.92641784	5.531085072	0.200799129	0.1	0.82	0.632276296	7.590350434	63518.40858
1273.4	0.926528361	5.531744924	0.200638893	0.1	0.82	0.631771747	7.584288258	63525.99286
1273.6	0.926638796	5.532404266	0.200479057	0.1	0.82	0.631268454	7.578241204	63533.57111
1273.8	0.926749145	5.533063098	0.200319618	0.1	0.82	0.630766414	7.572209208	63541.14331
1274	0.92685941	5.533721422	0.200160576	0.1	0.82	0.630265621	7.566192208	63548.70951
1274.2	0.92696959	5.534379239	0.200001928	0.1	0.82	0.629766069	7.560190141	63556.2697
1274.4	0.927079685	5.535036549	0.199843672	0.1	0.82	0.629267755	7.554202945	63563.8239
1274.6	0.927189695	5.535693356	0.199685808	0.1	0.82	0.628770672	7.548230557	63571.37213
1274.8	0.927299621	5.536349659	0.199528333	0.1	0.82	0.628274815	7.542272918	63578.9144
1275	0.927409463	5.53700546	0.199371246	0.1	0.82	0.627780179	7.536329965	63586.45073
1275.2	0.927519221	5.537660759	0.199214545	0.1	0.82	0.62728676	7.530401638	63593.98113
1275.4	0.927628896	5.538315559	0.199058229	0.1	0.82	0.626794552	7.524487876	63601.50562
1275.6	0.927738487	5.538969861	0.198902296	0.1	0.82	0.626303551	7.51858862	63609.02421
1275.8	0.927847994	5.539623665	0.198746745	0.1	0.82	0.625813751	7.512703809	63616.53692
1276	0.927957419	5.540276972	0.198591574	0.1	0.82	0.625325147	7.506833385	63624.04375
1276.2	0.92806676	5.540929785	0.198436781	0.1	0.82	0.624837734	7.500977287	63631.54473
1276.4	0.928176019	5.541582104	0.198282364	0.1	0.82	0.624351509	7.495135459	63639.03986
1276.6	0.928285195	5.54223393	0.198128323	0.1	0.82	0.623866465	7.48930784	63646.52917
1276.8	0.928394289	5.542885264	0.197974656	0.1	0.82	0.623382598	7.483494374	63654.01266
1277	0.928503301	5.543536108	0.197821361	0.1	0.82	0.622899903	7.477695003	63661.49036
1277.2	0.928612231	5.544186463	0.197668437	0.1	0.82	0.622418375	7.471909668	63668.96227

1277.4	0.928721079	5.54483633	0.197515882	0.1	0.82	0.62193801	7.466138314	63676.42841
1277.6	0.928829846	5.54548571	0.197363695	0.1	0.82	0.621458804	7.460380884	63683.88879
1277.8	0.928938531	5.546134604	0.197211874	0.1	0.82	0.62098075	7.45463732	63691.34342
1278	0.929047135	5.546783013	0.197060418	0.1	0.82	0.620503845	7.448907568	63698.79233
1278.2	0.929155658	5.547430939	0.196909325	0.1	0.82	0.620028084	7.443191571	63706.23552
1278.4	0.9292641	5.548078382	0.196758594	0.1	0.82	0.619553462	7.437489275	63713.67301
1278.6	0.929372461	5.548725344	0.196608224	0.1	0.82	0.619079975	7.431800623	63721.10481
1278.8	0.929480743	5.549371826	0.196458212	0.1	0.82	0.618607618	7.426125561	63728.53094
1279	0.929588944	5.550017828	0.196308558	0.1	0.82	0.618136387	7.420464035	63735.9514
1279.2	0.929697064	5.550663353	0.19615926	0.1	0.82	0.617666278	7.41481599	63743.36622
1279.4	0.929805105	5.551308401	0.196010316	0.1	0.82	0.617197285	7.409181373	63750.7754
1279.6	0.929913067	5.551952973	0.195861726	0.1	0.82	0.616729404	7.40356013	63758.17896
1279.8	0.930020948	5.552597071	0.195713488	0.1	0.82	0.616262631	7.397952207	63765.57691
1280	0.930128751	5.553240694	0.1955656	0.1	0.82	0.615796961	7.392357553	63772.96927
1280.2	0.930236474	5.553883846	0.195418061	0.1	0.82	0.615332391	7.386776113	63780.35605
1280.4	0.930344119	5.554526526	0.19527087	0.1	0.82	0.614868915	7.381207837	63787.73725
1280.6	0.930451684	5.555168735	0.195124025	0.1	0.82	0.61440653	7.375652671	63795.11291
1280.8	0.930559171	5.555810476	0.194977525	0.1	0.82	0.613945231	7.370110563	63802.48302
1281	0.93066658	5.556451748	0.194831369	0.1	0.82	0.613485013	7.364581464	63809.8476
1281.2	0.93077391	5.557092553	0.194685554	0.1	0.82	0.613025873	7.35906532	63817.20666
1281.4	0.930881162	5.557732892	0.194540081	0.1	0.82	0.612567807	7.353562081	63824.56023
1281.6	0.930988337	5.558372766	0.194394947	0.1	0.82	0.612110809	7.348071697	63831.9083
1281.8	0.931095434	5.559012176	0.194250151	0.1	0.82	0.611654877	7.342594117	63839.25089
1282	0.931202453	5.559651124	0.194105693	0.1	0.82	0.611200005	7.337129291	63846.58802
1282.2	0.931309395	5.560289609	0.193961569	0.1	0.82	0.61074619	7.331677169	63853.9197
1282.4	0.931416259	5.560927634	0.19381778	0.1	0.82	0.610293427	7.326237702	63861.24594
1282.6	0.931523047	5.561565199	0.193674324	0.1	0.82	0.609841713	7.32081084	63868.56675
1282.8	0.931629758	5.562202305	0.1935312	0.1	0.82	0.609391043	7.315396535	63875.88214
1283	0.931736392	5.562838953	0.193388406	0.1	0.82	0.608941413	7.309994737	63883.19214
1283.2	0.931842949	5.563475145	0.193245941	0.1	0.82	0.60849282	7.304605398	63890.49674
1283.4	0.931949431	5.564110881	0.193103804	0.1	0.82	0.608045259	7.29922847	63897.79597
1283.6	0.932055836	5.564746162	0.192961994	0.1	0.82	0.607598726	7.293863905	63905.08984
1283.8	0.932162165	5.56538099	0.192820508	0.1	0.82	0.607153217	7.288511655	63912.37835
1284	0.932268418	5.566015366	0.192679347	0.1	0.82	0.606708729	7.283171673	63919.66152
1284.2	0.932374596	5.566649289	0.192538509	0.1	0.82	0.606265257	7.277843911	63926.93936
1284.4	0.932480699	5.567282762	0.192397992	0.1	0.82	0.605822797	7.272528323	63934.21189
1284.6	0.932586725	5.567915786	0.192257795	0.1	0.82	0.605381346	7.267224862	63941.47912

1284.8	0.932692677	5.568548361	0.192117918	0.1	0.82	0.6049409	7.261933482	63948.74105
1285	0.932798554	5.569180488	0.191978359	0.1	0.82	0.604501455	7.256654136	63955.9977
1285.2	0.932904356	5.569812169	0.191839116	0.1	0.82	0.604063008	7.251386778	63963.24909
1285.4	0.933010084	5.570443404	0.191700188	0.1	0.82	0.603625553	7.246131363	63970.49522
1285.6	0.933115737	5.571074194	0.191561575	0.1	0.82	0.603189088	7.240887845	63977.73611
1285.8	0.933221315	5.571704541	0.191423275	0.1	0.82	0.602753609	7.23565618	63984.97177
1286	0.93332682	5.572334445	0.191285287	0.1	0.82	0.602319112	7.230436321	63992.2022
1286.2	0.93343225	5.572963908	0.191147609	0.1	0.82	0.601885593	7.225228225	63999.42743
1286.4	0.933537607	5.573592929	0.191010242	0.1	0.82	0.601453049	7.220031847	64006.64746
1286.6	0.93364289	5.574221511	0.190873182	0.1	0.82	0.601021475	7.214847143	64013.86231
1286.8	0.9337481	5.574849654	0.19073643	0.1	0.82	0.600590869	7.209674069	64021.07198
1287	0.933853236	5.575477359	0.190599983	0.1	0.82	0.600161227	7.20451258	64028.2765
1287.2	0.933958299	5.576104627	0.190463842	0.1	0.82	0.599732545	7.199362634	64035.47586
1287.4	0.934063289	5.57673146	0.190328004	0.1	0.82	0.599304819	7.194224186	64042.67008
1287.6	0.934168206	5.577357857	0.190192469	0.1	0.82	0.598878047	7.189097195	64049.85918
1287.8	0.93427305	5.57798382	0.190057235	0.1	0.82	0.598452223	7.183981617	64057.04316
1288	0.934377822	5.57860935	0.189922302	0.1	0.82	0.598027345	7.17887741	64064.22204
1288.2	0.934482522	5.579234448	0.189787668	0.1	0.82	0.59760341	7.17378453	64071.39582
1288.4	0.934587149	5.579859114	0.189653332	0.1	0.82	0.597180413	7.168702937	64078.56453
1288.6	0.934691704	5.580483351	0.189519294	0.1	0.82	0.596758351	7.163632587	64085.72816
1288.8	0.934796187	5.581107157	0.189385551	0.1	0.82	0.596337222	7.158573439	64092.88673
1289	0.934900599	5.581730536	0.189252102	0.1	0.82	0.59591702	7.153525452	64100.04026
1289.2	0.935004939	5.582353486	0.189118948	0.1	0.82	0.595497744	7.148488585	64107.18875
1289.4	0.935109207	5.58297601	0.188986086	0.1	0.82	0.595079389	7.143462795	64114.33221
1289.6	0.935213404	5.583598109	0.188853516	0.1	0.82	0.594661952	7.138448043	64121.47066
1289.8	0.93531753	5.584219782	0.188721237	0.1	0.82	0.59424543	7.133444288	64128.6041
1290	0.935421585	5.584841032	0.188589246	0.1	0.82	0.593829819	7.128451489	64135.73255
1290.2	0.935525569	5.585461858	0.188457544	0.1	0.82	0.593415116	7.123469605	64142.85602
1290.4	0.935629483	5.586082263	0.18832613	0.1	0.82	0.593001317	7.118498598	64149.97452
1290.6	0.935733325	5.586702246	0.188195001	0.1	0.82	0.59258842	7.113538427	64157.08806
1290.8	0.935837098	5.587321809	0.188064158	0.1	0.82	0.592176422	7.108589052	64164.19665
1291	0.9359408	5.587940952	0.187933599	0.1	0.82	0.591765317	7.103650434	64171.3003
1291.2	0.936044432	5.588559677	0.187803323	0.1	0.82	0.591355105	7.098722533	64178.39902
1291.4	0.936147994	5.589177984	0.18767333	0.1	0.82	0.59094578	7.093805312	64185.49283
1291.6	0.936251486	5.589795874	0.187543617	0.1	0.82	0.590537341	7.08889873	64192.58173
1291.8	0.936354909	5.590413349	0.187414184	0.1	0.82	0.590129784	7.084002749	64199.66573
1292	0.936458262	5.591030408	0.187285031	0.1	0.82	0.589723105	7.079117331	64206.74485

1292.2	0.936561546	5.591647054	0.187156155	0.1	0.82	0.589317301	7.074242438	64213.81909
1292.4	0.93666476	5.592263285	0.187027557	0.1	0.82	0.58891237	7.069378031	64220.88847
1292.6	0.936767906	5.592879105	0.186899234	0.1	0.82	0.588508308	7.064524073	64227.95299
1292.8	0.936870982	5.593494513	0.186771187	0.1	0.82	0.588105113	7.059680526	64235.01267
1293	0.93697399	5.59410951	0.186643413	0.1	0.82	0.587702779	7.054847352	64242.06752
1293.2	0.937076929	5.594724097	0.186515913	0.1	0.82	0.587301306	7.050024515	64249.11754
1293.4	0.9371798	5.595338276	0.186388685	0.1	0.82	0.58690069	7.045211976	64256.16276
1293.6	0.937282602	5.595952046	0.186261727	0.1	0.82	0.586500927	7.0404097	64263.20317
1293.8	0.937385336	5.596565409	0.18613504	0.1	0.82	0.586102015	7.035617649	64270.23878
1294	0.937488002	5.597178365	0.186008622	0.1	0.82	0.58570395	7.030835787	64277.26962
1294.2	0.9375906	5.597790916	0.185882473	0.1	0.82	0.58530673	7.026064078	64284.29568
1294.4	0.93769313	5.598403062	0.18575659	0.1	0.82	0.584910351	7.021302485	64291.31699
1294.6	0.937795592	5.599014804	0.185630974	0.1	0.82	0.584514811	7.016550973	64298.33354
1294.8	0.937897987	5.599626143	0.185505623	0.1	0.82	0.584120107	7.011809505	64305.34535
1295	0.938000315	5.600237079	0.185380537	0.1	0.82	0.583726235	7.007078046	64312.35242
1295.2	0.938102575	5.600847614	0.185255714	0.1	0.82	0.583333192	7.002356561	64319.35478
1295.4	0.938204768	5.601457749	0.185131154	0.1	0.82	0.582940977	6.997645014	64326.35243
1295.6	0.938306895	5.602067484	0.185006855	0.1	0.82	0.582549585	6.99294337	64333.34537
1295.8	0.938408954	5.602676819	0.184882817	0.1	0.82	0.582159014	6.988251594	64340.33362
1296	0.938510947	5.603285757	0.184759039	0.1	0.82	0.581769261	6.983569652	64347.31719
1296.2	0.938612873	5.603894297	0.184635519	0.1	0.82	0.581380323	6.978897508	64354.29609
1296.4	0.938714733	5.604502441	0.184512258	0.1	0.82	0.580992198	6.974235129	64361.27032
1296.6	0.938816526	5.605110188	0.184389254	0.1	0.82	0.580604882	6.96958248	64368.23991
1296.8	0.938918254	5.605717541	0.184266506	0.1	0.82	0.580218373	6.964939527	64375.20484
1297	0.939019915	5.6063245	0.184144013	0.1	0.82	0.579832667	6.960306237	64382.16515
1297.2	0.93912151	5.606931065	0.184021774	0.1	0.82	0.579447762	6.955682574	64389.12083
1297.4	0.93922304	5.607537238	0.183899789	0.1	0.82	0.579063656	6.951068507	64396.0719
1297.6	0.939324504	5.608143019	0.183778057	0.1	0.82	0.578680345	6.946464001	64403.01837
1297.8	0.939425903	5.608748409	0.183656576	0.1	0.82	0.578297826	6.941869023	64409.96024
1298	0.939527236	5.609353409	0.183535346	0.1	0.82	0.577916097	6.937283541	64416.89752
1298.2	0.939628504	5.60995802	0.183414366	0.1	0.82	0.577535156	6.93270752	64423.83023
1298.4	0.939729707	5.610562242	0.183293635	0.1	0.82	0.577154999	6.928140929	64430.75837
1298.6	0.939830845	5.611166076	0.183173153	0.1	0.82	0.576775624	6.923583735	64437.68195
1298.8	0.939931918	5.611769523	0.183052918	0.1	0.82	0.576397027	6.919035905	64444.60099
1299	0.940032926	5.612372583	0.182932929	0.1	0.82	0.576019207	6.914497407	64451.51548
1299.2	0.94013387	5.612975259	0.182813186	0.1	0.82	0.575642161	6.909968209	64458.42545
1299.4	0.94023475	5.613577549	0.182693688	0.1	0.82	0.575265886	6.905448279	64465.3309

1299.6	0.940335565	5.614179456	0.182574434	0.1	0.82	0.574890379	6.900937585	64472.23184
1299.8	0.940436316	5.614780979	0.182455423	0.1	0.82	0.574515637	6.896436095	64479.12827
1300	0.940537003	5.61538212	0.182336655	0.1	0.82	0.574141659	6.891943779	64486.02022
1300.2	0.940637625	5.615982879	0.182218128	0.1	0.82	0.573768441	6.887460604	64492.90768
1300.4	0.940738185	5.616583257	0.182099842	0.1	0.82	0.573395982	6.882986539	64499.79067
1300.6	0.94083868	5.617183255	0.181981795	0.1	0.82	0.573024277	6.878521553	64506.66919
1300.8	0.940939112	5.617782874	0.181863988	0.1	0.82	0.572653325	6.874065616	64513.54325
1301	0.94103948	5.618382114	0.181746419	0.1	0.82	0.572283124	6.869618696	64520.41287
1301.2	0.941139786	5.618980976	0.181629087	0.1	0.82	0.57191367	6.865180764	64527.27805
1301.4	0.941240028	5.619579461	0.181511992	0.1	0.82	0.571544961	6.860751787	64534.1388
1301.6	0.941340207	5.620177569	0.181395133	0.1	0.82	0.571176995	6.856331737	64540.99514
1301.8	0.941440323	5.620775302	0.181278509	0.1	0.82	0.570809769	6.851920583	64547.84706
1302	0.941540376	5.62137266	0.181162119	0.1	0.82	0.57044328	6.847518294	64554.69457
1302.2	0.941640366	5.621969643	0.181045963	0.1	0.82	0.570077527	6.843124842	64561.5377
1302.4	0.941740294	5.622566253	0.180930039	0.1	0.82	0.569712506	6.838740196	64568.37644
1302.6	0.94184016	5.623162491	0.180814347	0.1	0.82	0.569348215	6.834364326	64575.2108
1302.8	0.941939963	5.623758356	0.180698886	0.1	0.82	0.568984652	6.829997204	64582.0408
1303	0.942039704	5.62435385	0.180583655	0.1	0.82	0.568621814	6.825638799	64588.86644
1303.2	0.942139383	5.624948973	0.180468655	0.1	0.82	0.568259699	6.821289082	64595.68773
1303.4	0.942239	5.625543727	0.180353882	0.1	0.82	0.567898305	6.816948025	64602.50468
1303.6	0.942338555	5.626138111	0.180239338	0.1	0.82	0.567537628	6.812615599	64609.31729
1303.8	0.942438049	5.626732127	0.180125021	0.1	0.82	0.567177667	6.808291775	64616.12558
1304	0.942537481	5.627325775	0.180010931	0.1	0.82	0.56681842	6.803976523	64622.92956
1304.2	0.942636851	5.627919056	0.179897066	0.1	0.82	0.566459883	6.799669816	64629.72923
1304.4	0.94273616	5.628511971	0.179783427	0.1	0.82	0.566102055	6.795371625	64636.5246
1304.6	0.942835408	5.629104521	0.179670012	0.1	0.82	0.565744932	6.791081922	64643.31568
1304.8	0.942934595	5.629696705	0.17955682	0.1	0.82	0.565388514	6.786800679	64650.10248
1305	0.943033721	5.630288525	0.179443851	0.1	0.82	0.565032797	6.782527868	64656.88501
1305.2	0.943132785	5.630879982	0.179331104	0.1	0.82	0.564677779	6.77826346	64663.66328
1305.4	0.943231789	5.631471076	0.179218578	0.1	0.82	0.564323459	6.774007429	64670.43728
1305.6	0.943330733	5.632061807	0.179106273	0.1	0.82	0.563969832	6.769759746	64677.20704
1305.8	0.943429616	5.632652178	0.178994188	0.1	0.82	0.563616898	6.765520384	64683.97256
1306	0.943528438	5.633242188	0.178882322	0.1	0.82	0.563264654	6.761289316	64690.73385
1306.2	0.9436272	5.633831837	0.178770674	0.1	0.82	0.562913098	6.757066514	64697.49092
1306.4	0.943725902	5.634421128	0.178659244	0.1	0.82	0.562562227	6.752851952	64704.24377
1306.6	0.943824544	5.635010059	0.178548031	0.1	0.82	0.56221204	6.748645602	64710.99242
1306.8	0.943923126	5.635598633	0.178437034	0.1	0.82	0.561862533	6.744447437	64717.73686

1307	0.944021648	5.636186849	0.178326253	0.1	0.82	0.561513705	6.740257432	64724.47712
1307.2	0.944120111	5.636774709	0.178215687	0.1	0.82	0.561165554	6.736075558	64731.2132
1307.4	0.944218513	5.637362213	0.178105335	0.1	0.82	0.560818077	6.73190179	64737.9451
1307.6	0.944316857	5.637949361	0.177995196	0.1	0.82	0.560471273	6.727736102	64744.67284
1307.8	0.944415141	5.638536155	0.17788527	0.1	0.82	0.560125138	6.723578466	64751.39641
1308	0.944513365	5.639122596	0.177775556	0.1	0.82	0.559779671	6.719428858	64758.11584
1308.2	0.944611531	5.639708682	0.177666054	0.1	0.82	0.55943487	6.71528725	64764.83113
1308.4	0.944709637	5.640294416	0.177556762	0.1	0.82	0.559090733	6.711153618	64771.54228
1308.6	0.944807684	5.640879799	0.177447681	0.1	0.82	0.558747256	6.707027934	64778.24931
1308.8	0.944905673	5.64146483	0.177338808	0.1	0.82	0.558404439	6.702910174	64784.95222
1309	0.945003603	5.64204951	0.177230145	0.1	0.82	0.558062279	6.698800313	64791.65102
1309.2	0.945101474	5.64263384	0.177121689	0.1	0.82	0.557720775	6.694698324	64798.34572
1309.4	0.945199287	5.643217822	0.177013441	0.1	0.82	0.557379922	6.690604182	64805.03632
1309.6	0.945297041	5.643801454	0.176905399	0.1	0.82	0.557039721	6.686517862	64811.72284
1309.8	0.945394737	5.644384738	0.176797564	0.1	0.82	0.556700169	6.68243934	64818.40528
1310	0.945492375	5.644967676	0.176689934	0.1	0.82	0.556361263	6.678368589	64825.08365
1310.2	0.945589955	5.645550266	0.176582508	0.1	0.82	0.556023001	6.674305586	64831.75796
1310.4	0.945687477	5.64613251	0.176475287	0.1	0.82	0.555685383	6.670250305	64838.42821
1310.6	0.945784941	5.646714409	0.176368269	0.1	0.82	0.555348404	6.666202722	64845.09441
1310.8	0.945882347	5.647295963	0.176261453	0.1	0.82	0.555012064	6.662162812	64851.75657
1311	0.945979695	5.647877173	0.17615484	0.1	0.82	0.554676361	6.658130551	64858.4147
1311.2	0.946076986	5.64845804	0.176048429	0.1	0.82	0.554341292	6.654105915	64865.06881
1311.4	0.94617422	5.649038563	0.175942218	0.1	0.82	0.554006855	6.650088879	64871.7189
1311.6	0.946271396	5.649618745	0.175836207	0.1	0.82	0.553673048	6.64607942	64878.36498
1311.8	0.946368515	5.650198584	0.175730396	0.1	0.82	0.55333987	6.642077512	64885.00705
1312	0.946465577	5.650778083	0.175624784	0.1	0.82	0.553007319	6.638083133	64891.64514
1312.2	0.946562582	5.651357242	0.17551937	0.1	0.82	0.552675391	6.634096259	64898.27923
1312.4	0.94665953	5.65193606	0.175414153	0.1	0.82	0.552344086	6.630116866	64904.90935
1312.6	0.946756422	5.65251454	0.175309134	0.1	0.82	0.552013402	6.62614493	64911.5355
1312.8	0.946853256	5.653092681	0.175204312	0.1	0.82	0.551683336	6.622180429	64918.15768
1313	0.946950034	5.653670484	0.175099685	0.1	0.82	0.551353887	6.618223338	64924.7759
1313.2	0.947046756	5.65424795	0.174995253	0.1	0.82	0.551025052	6.614273634	64931.39017
1313.4	0.947143421	5.654825079	0.174891016	0.1	0.82	0.55069683	6.610331294	64938.0005
1313.6	0.94724003	5.655401873	0.174786973	0.1	0.82	0.550369219	6.606396296	64944.6069
1313.8	0.947336582	5.655978331	0.174683123	0.1	0.82	0.550042217	6.602468616	64951.20937
1314	0.947433079	5.656554454	0.174579466	0.1	0.82	0.549715822	6.598548231	64957.80792
1314.2	0.947529519	5.657130243	0.174476001	0.1	0.82	0.549390032	6.594635119	64964.40255

1314.4	0.947625904	5.657705698	0.174372728	0.1	0.82	0.549064845	6.590729257	64970.99328
1314.6	0.947722233	5.65828082	0.174269645	0.1	0.82	0.548740259	6.586830623	64977.58011
1314.8	0.947818506	5.65885561	0.174166753	0.1	0.82	0.548416273	6.582939193	64984.16305
1315	0.947914724	5.659430068	0.174064051	0.1	0.82	0.548092885	6.579054946	64990.74211
1315.2	0.948010886	5.660004195	0.173961538	0.1	0.82	0.547770092	6.57517786	64997.31728
1315.4	0.948106993	5.660577991	0.173859214	0.1	0.82	0.547447893	6.571307912	65003.88859
1315.6	0.948203045	5.661151458	0.173757078	0.1	0.82	0.547126287	6.56744508	65010.45604
1315.8	0.948299041	5.661724595	0.173655129	0.1	0.82	0.54680527	6.563589342	65017.01963
1316	0.948394982	5.662297403	0.173553367	0.1	0.82	0.546484842	6.559740677	65023.57937
1316.2	0.948490869	5.662869883	0.173451792	0.1	0.82	0.546165001	6.555899062	65030.13527
1316.4	0.9485867	5.663442035	0.173350402	0.1	0.82	0.545845745	6.552064476	65036.68733
1316.6	0.948682477	5.66401386	0.173249197	0.1	0.82	0.545527071	6.548236897	65043.23557
1316.8	0.948778199	5.664585359	0.173148177	0.1	0.82	0.545208979	6.544416305	65049.77998
1317	0.948873866	5.665156532	0.173047341	0.1	0.82	0.544891467	6.540602676	65056.32059
1317.2	0.948969479	5.66572738	0.172946688	0.1	0.82	0.544574532	6.536795991	65062.85738
1317.4	0.949065038	5.666297902	0.172846219	0.1	0.82	0.544258173	6.532996228	65069.39038
1317.6	0.949160542	5.666868101	0.172745931	0.1	0.82	0.543942388	6.529203366	65075.91958
1317.8	0.949255992	5.667437976	0.172645826	0.1	0.82	0.543627176	6.525417383	65082.445
1318	0.949351388	5.668007528	0.172545901	0.1	0.82	0.543312534	6.521638259	65088.96664
1318.2	0.94944673	5.668576758	0.172446158	0.1	0.82	0.542998461	6.517865973	65095.4845
1318.4	0.949542018	5.669145666	0.172346594	0.1	0.82	0.542684956	6.514100505	65101.9986
1318.6	0.949637253	5.669714253	0.17224721	0.1	0.82	0.542372016	6.510341832	65108.50895
1318.8	0.949732433	5.670282518	0.172148006	0.1	0.82	0.54205964	6.506589936	65115.01554
1319	0.94982756	5.670850464	0.172048979	0.1	0.82	0.541747826	6.502844795	65121.51838
1319.2	0.949922633	5.67141809	0.171950131	0.1	0.82	0.541436572	6.499106389	65128.01749
1319.4	0.950017653	5.671985397	0.17185146	0.1	0.82	0.541125877	6.495374698	65134.51286
1319.6	0.95011262	5.672552386	0.171752966	0.1	0.82	0.540815739	6.491649701	65141.00451
1319.8	0.950207533	5.673119057	0.171654648	0.1	0.82	0.540506157	6.487931379	65147.49244
1320	0.950302393	5.67368541	0.171556507	0.1	0.82	0.540197128	6.48421971	65153.97666
1320.2	0.950397201	5.674251446	0.17145854	0.1	0.82	0.539888651	6.480514676	65160.45718
1320.4	0.950491955	5.674817167	0.171360748	0.1	0.82	0.539580725	6.476816256	65166.93399
1320.6	0.950586656	5.675382571	0.171263131	0.1	0.82	0.539273347	6.473124431	65173.40712
1320.8	0.950681305	5.675947661	0.171165687	0.1	0.82	0.538966516	6.46943918	65179.87656
1321	0.9507759	5.676512436	0.171068417	0.1	0.82	0.538660231	6.465760485	65186.34232
1321.2	0.950870444	5.677076896	0.170971319	0.1	0.82	0.53835449	6.462088325	65192.80441
1321.4	0.950964934	5.677641044	0.170874394	0.1	0.82	0.53804929	6.458422681	65199.26283
1321.6	0.951059373	5.678204878	0.17077764	0.1	0.82	0.537744632	6.454763534	65205.71759

1321.8	0.951153759	5.6787684	0.170681057	0.1	0.82	0.537440512	6.451110864	65212.1687
1322	0.951248092	5.67933161	0.170584645	0.1	0.82	0.53713693	6.447464652	65218.61617
1322.2	0.951342374	5.679894509	0.170488403	0.1	0.82	0.536833883	6.443824879	65225.05999
1322.4	0.951436603	5.680457097	0.170392331	0.1	0.82	0.536531371	6.440191525	65231.50018
1322.6	0.951530781	5.681019374	0.170296428	0.1	0.82	0.536229391	6.436564573	65237.93675
1322.8	0.951624907	5.681581342	0.170200693	0.1	0.82	0.535927943	6.432944002	65244.36969
1323	0.95171898	5.682143001	0.170105127	0.1	0.82	0.535627023	6.429329795	65250.79902
1323.2	0.951813003	5.682704351	0.170009728	0.1	0.82	0.535326632	6.425721931	65257.22474
1323.4	0.951906973	5.683265393	0.169914497	0.1	0.82	0.535026767	6.422120394	65263.64686
1323.6	0.952000892	5.683826127	0.169819432	0.1	0.82	0.534727427	6.418525163	65270.06539
1323.8	0.95209476	5.684386555	0.169724533	0.1	0.82	0.53442861	6.41493622	65276.48033
1324	0.952188576	5.684946675	0.1696298	0.1	0.82	0.534130315	6.411353548	65282.89168
1324.2	0.952282341	5.68550649	0.169535232	0.1	0.82	0.53383254	6.407777127	65289.29946
1324.4	0.952376055	5.686065999	0.169440829	0.1	0.82	0.533535283	6.404206939	65295.70366
1324.6	0.952469718	5.686625203	0.169346591	0.1	0.82	0.533238544	6.400642966	65302.10431
1324.8	0.95256333	5.687184103	0.169252516	0.1	0.82	0.532942321	6.397085191	65308.50139
1325	0.95265689	5.687742699	0.169158604	0.1	0.82	0.532646611	6.393533594	65314.89493
1325.2	0.952750401	5.688300991	0.169064855	0.1	0.82	0.532351415	6.389988157	65321.28491
1325.4	0.95284386	5.688858981	0.168971268	0.1	0.82	0.532056729	6.386448864	65327.67136
1325.6	0.952937268	5.689416668	0.168877843	0.1	0.82	0.531762553	6.382915695	65334.05428
1325.8	0.953030627	5.689974053	0.16878458	0.1	0.82	0.531468886	6.379388634	65340.43367
1326	0.953123934	5.690531136	0.168691478	0.1	0.82	0.531175725	6.375867662	65346.80953
1326.2	0.953217191	5.691087919	0.168598536	0.1	0.82	0.530883069	6.372352762	65353.18189
1326.4	0.953310398	5.691644402	0.168505754	0.1	0.82	0.530590917	6.368843916	65359.55073
1326.6	0.953403555	5.692200585	0.168413131	0.1	0.82	0.530299267	6.365341107	65365.91607
1326.8	0.953496661	5.692756468	0.168320668	0.1	0.82	0.530008119	6.361844317	65372.27792
1327	0.953589718	5.693312052	0.168228363	0.1	0.82	0.529717469	6.358353529	65378.63627
1327.2	0.953682724	5.693867338	0.168136216	0.1	0.82	0.529427318	6.354868725	65384.99114
1327.4	0.953775681	5.694422327	0.168044227	0.1	0.82	0.529137663	6.35138989	65391.34253
1327.6	0.953868588	5.694977017	0.167952396	0.1	0.82	0.528848504	6.347917004	65397.69045
1327.8	0.953961445	5.695531412	0.167860721	0.1	0.82	0.528559838	6.344450051	65404.0349
1328	0.954054253	5.696085509	0.167769202	0.1	0.82	0.528271664	6.340989015	65410.37588
1328.2	0.95414701	5.696639311	0.16767784	0.1	0.82	0.527983982	6.337533878	65416.71342
1328.4	0.954239719	5.697192818	0.167586633	0.1	0.82	0.527696789	6.334084623	65423.0475
1328.6	0.954332378	5.697746029	0.16749558	0.1	0.82	0.527410084	6.330641233	65429.37814
1328.8	0.954424988	5.698298946	0.167404683	0.1	0.82	0.527123865	6.327203693	65435.70535
1329	0.954517548	5.69885157	0.167313939	0.1	0.82	0.526838132	6.323771984	65442.02912

1329.2	0.95461006	5.6994039	0.16722335	0.1	0.82	0.526552883	6.320346092	65448.34947
1329.4	0.954702522	5.699955937	0.167132913	0.1	0.82	0.526268117	6.316925998	65454.66639
1329.6	0.954794935	5.700507681	0.167042629	0.1	0.82	0.525983831	6.313511686	65460.9799
1329.8	0.9548873	5.701059134	0.166952498	0.1	0.82	0.525700026	6.310103141	65467.29001
1330	0.954979615	5.701610295	0.166862519	0.1	0.82	0.525416699	6.306700345	65473.59671
1330.2	0.955071882	5.702161165	0.166772691	0.1	0.82	0.525133849	6.303303282	65479.90001
1330.4	0.9551641	5.702711745	0.166683014	0.1	0.82	0.524851474	6.299911937	65486.19992
1330.6	0.95525627	5.703262034	0.166593488	0.1	0.82	0.524569575	6.296526293	65492.49645
1330.8	0.955348391	5.703812034	0.166504112	0.1	0.82	0.524288148	6.293146334	65498.7896
1331	0.955440464	5.704361745	0.166414886	0.1	0.82	0.524007193	6.289772044	65505.07937
1331.2	0.955532488	5.704911168	0.166325809	0.1	0.82	0.523726708	6.286403407	65511.36577
1331.4	0.955624464	5.705460302	0.166236882	0.1	0.82	0.523446693	6.283040407	65517.64881
1331.6	0.955716392	5.706009149	0.166148103	0.1	0.82	0.523167145	6.279683029	65523.92849
1331.8	0.955808272	5.706557708	0.166059472	0.1	0.82	0.522888064	6.276331255	65530.20483
1332	0.955900104	5.707105981	0.165970988	0.1	0.82	0.522609448	6.272985072	65536.47781
1332.2	0.955991888	5.707653967	0.165882652	0.1	0.82	0.522331296	6.269644463	65542.74745
1332.4	0.956083624	5.708201668	0.165794463	0.1	0.82	0.522053606	6.266309412	65549.01376
1332.6	0.956175312	5.708749083	0.165706421	0.1	0.82	0.521776378	6.262979904	65555.27674
1332.8	0.956266953	5.709296214	0.165618524	0.1	0.82	0.52149961	6.259655924	65561.5364
1333	0.956358546	5.70984306	0.165530774	0.1	0.82	0.5212233	6.256337456	65567.79274
1333.2	0.956450091	5.710389622	0.165443168	0.1	0.82	0.520947448	6.253024485	65574.04576
1333.4	0.956541589	5.710935901	0.165355707	0.1	0.82	0.520672052	6.249716995	65580.29548
1333.6	0.956633039	5.711481897	0.165268391	0.1	0.82	0.52039711	6.246414972	65586.54189
1333.8	0.956724442	5.71202761	0.165181219	0.1	0.82	0.520122623	6.2431184	65592.78501
1334	0.956815798	5.712573041	0.165094191	0.1	0.82	0.519848588	6.239827264	65599.02484
1334.2	0.956907107	5.713118191	0.165007306	0.1	0.82	0.519575004	6.236541549	65605.26138
1334.4	0.956998368	5.713663059	0.164920563	0.1	0.82	0.51930187	6.23326124	65611.49464
1334.6	0.957089583	5.714207647	0.164833963	0.1	0.82	0.519029184	6.229986321	65617.72463
1334.8	0.957180751	5.714751954	0.164747506	0.1	0.82	0.518756946	6.22671678	65623.95135
1335	0.957271871	5.715295981	0.16466119	0.1	0.82	0.518485154	6.223452599	65630.1748
1335.2	0.957362945	5.715839729	0.164575015	0.1	0.82	0.518213807	6.220193765	65636.39499
1335.4	0.957453973	5.716383199	0.164488981	0.1	0.82	0.517942904	6.216940263	65642.61193
1335.6	0.957544953	5.716926389	0.164403088	0.1	0.82	0.517672443	6.213692079	65648.82562
1335.8	0.957635887	5.717469302	0.164317335	0.1	0.82	0.517402423	6.210449197	65655.03607
1336	0.957726775	5.718011937	0.164231721	0.1	0.82	0.517132844	6.207211603	65661.24329
1336.2	0.957817616	5.718554295	0.164146247	0.1	0.82	0.516863703	6.203979283	65667.44726
1336.4	0.957908411	5.719096376	0.164060912	0.1	0.82	0.516595	6.200752222	65673.64802

1336.6	0.957999159	5.719638181	0.163975716	0.1	0.82	0.516326734	6.197530406	65679.84555
1336.8	0.958089862	5.72017971	0.163890658	0.1	0.82	0.516058903	6.194313821	65686.03986
1337	0.958180518	5.720720964	0.163805737	0.1	0.82	0.515791506	6.191102451	65692.23096
1337.2	0.958271128	5.721261943	0.163720955	0.1	0.82	0.515524542	6.187896285	65698.41886
1337.4	0.958361692	5.721802647	0.163636309	0.1	0.82	0.515258009	6.184695306	65704.60355
1337.6	0.958452211	5.722343078	0.1635518	0.1	0.82	0.514991907	6.181499501	65710.78505
1337.8	0.958542683	5.722883234	0.163467427	0.1	0.82	0.514726235	6.178308856	65716.96336
1338	0.95863311	5.723423118	0.163383191	0.1	0.82	0.514460991	6.175123356	65723.13849
1338.2	0.958723491	5.723962728	0.16329909	0.1	0.82	0.514196174	6.171942989	65729.31043
1338.4	0.958813826	5.724502067	0.163215124	0.1	0.82	0.513931783	6.16876774	65735.4792
1338.6	0.958904116	5.725041133	0.163131293	0.1	0.82	0.513667816	6.165597595	65741.64479
1338.8	0.95899436	5.725579928	0.163047597	0.1	0.82	0.513404274	6.16243254	65747.80723
1339	0.959084559	5.726118452	0.162964035	0.1	0.82	0.513141153	6.159272563	65753.9665
1339.2	0.959174713	5.726656705	0.162880607	0.1	0.82	0.512878455	6.156117648	65760.12262
1339.4	0.959264821	5.727194688	0.162797312	0.1	0.82	0.512616176	6.152967783	65766.27559
1339.6	0.959354884	5.727732401	0.16271415	0.1	0.82	0.512354316	6.149822953	65772.42541
1339.8	0.959444902	5.728269845	0.162631121	0.1	0.82	0.512092875	6.146683146	65778.57209
1340	0.959534875	5.72880702	0.162548225	0.1	0.82	0.51183185	6.143548348	65784.71564
1340.2	0.959624803	5.729343926	0.16246546	0.1	0.82	0.511571241	6.140418546	65790.85606
1340.4	0.959714686	5.729880564	0.162382827	0.1	0.82	0.511311047	6.137293725	65796.99335
1340.6	0.959804525	5.730416935	0.162300326	0.1	0.82	0.511051266	6.134173874	65803.12753
1340.8	0.959894318	5.730953038	0.162217955	0.1	0.82	0.510791897	6.131058978	65809.25859
1341	0.959984067	5.731488875	0.162135715	0.1	0.82	0.51053294	6.127949024	65815.38653
1341.2	0.960073771	5.732024445	0.162053606	0.1	0.82	0.510274393	6.124843999	65821.51138
1341.4	0.960163431	5.732559749	0.161971626	0.1	0.82	0.510016255	6.121743891	65827.63312
1341.6	0.960253046	5.733094787	0.161889776	0.1	0.82	0.509758526	6.118648686	65833.75177
1341.8	0.960342617	5.73362956	0.161808055	0.1	0.82	0.509501203	6.11555837	65839.86733
1342	0.960432143	5.734164069	0.161726463	0.1	0.82	0.509244286	6.112472932	65845.9798
1342.2	0.960521625	5.734698313	0.161644999	0.1	0.82	0.508987774	6.109392357	65852.08919
1342.4	0.960611063	5.735232293	0.161563664	0.1	0.82	0.508731665	6.106316634	65858.19551
1342.6	0.960700457	5.735766009	0.161482457	0.1	0.82	0.50847596	6.10324575	65864.29876
1342.8	0.960789807	5.736299463	0.161401377	0.1	0.82	0.508220655	6.10017969	65870.39894
1343	0.960879113	5.736832653	0.161320424	0.1	0.82	0.507965752	6.097118444	65876.49605
1343.2	0.960968374	5.737365582	0.161239599	0.1	0.82	0.507711248	6.094061998	65882.59012
1343.4	0.961057592	5.737898248	0.161158899	0.1	0.82	0.507457142	6.09101034	65888.68113
1343.6	0.961146766	5.738430653	0.161078326	0.1	0.82	0.507203434	6.087963457	65894.76909
1343.8	0.961235896	5.738962796	0.160997879	0.1	0.82	0.506950122	6.084921336	65900.85401

1344	0.961324983	5.739494679	0.160917558	0.1	0.82	0.506697205	6.081883965	65906.9359
1344.2	0.961414026	5.740026302	0.160837361	0.1	0.82	0.506444683	6.078851331	65913.01475
1344.4	0.961503026	5.740557665	0.16075729	0.1	0.82	0.506192554	6.075823423	65919.09057
1344.6	0.961591982	5.741088768	0.160677343	0.1	0.82	0.505940817	6.072800227	65925.16337
1344.8	0.961680894	5.741619612	0.16059752	0.1	0.82	0.505689471	6.069781732	65931.23315
1345	0.961769764	5.742150197	0.160517821	0.1	0.82	0.505438516	6.066767925	65937.29992
1345.2	0.96185859	5.742680524	0.160438246	0.1	0.82	0.50518795	6.063758794	65943.36368
1345.4	0.961947372	5.743210593	0.160358794	0.1	0.82	0.504937771	6.060754326	65949.42443
1345.6	0.962036112	5.743740404	0.160279465	0.1	0.82	0.50468798	6.05775451	65955.48219
1345.8	0.962124809	5.744269958	0.160200259	0.1	0.82	0.504438575	6.054759334	65961.53695
1346	0.962213462	5.744799255	0.160121175	0.1	0.82	0.504189556	6.051768785	65967.58872
1346.2	0.962302073	5.745328296	0.160042213	0.1	0.82	0.50394092	6.048782852	65973.6375
1346.4	0.962390641	5.745857081	0.159963372	0.1	0.82	0.503692667	6.045801522	65979.6833
1346.6	0.962479166	5.74638561	0.159884653	0.1	0.82	0.503444797	6.042824784	65985.72613
1346.8	0.962567648	5.746913885	0.159806055	0.1	0.82	0.503197307	6.039852626	65991.76598
1347	0.962656087	5.747441904	0.159727578	0.1	0.82	0.502950198	6.036885035	65997.80286
1347.2	0.962744484	5.747969668	0.159649221	0.1	0.82	0.502703468	6.033922001	66003.83679
1347.4	0.962832839	5.748497179	0.159570985	0.1	0.82	0.502457117	6.030963511	66009.86775
1347.6	0.96292115	5.749024436	0.159492868	0.1	0.82	0.502211142	6.028009554	66015.89576
1347.8	0.96300942	5.74955144	0.15941487	0.1	0.82	0.501965544	6.025060117	66021.92082
1348	0.963097647	5.75007819	0.159336992	0.1	0.82	0.501720321	6.02211519	66027.94293
1348.2	0.963185832	5.750604688	0.159259233	0.1	0.82	0.501475472	6.019174761	66033.96211
1348.4	0.963273974	5.751130934	0.159181592	0.1	0.82	0.501230997	6.016238819	66039.97835
1348.6	0.963362074	5.751656929	0.15910407	0.1	0.82	0.500986895	6.013307351	66045.99165
1348.8	0.963450133	5.752182671	0.159026665	0.1	0.82	0.500743163	6.010380346	66052.00203
1349	0.963538149	5.752708163	0.158949378	0.1	0.82	0.500499802	6.007457794	66058.00949
1349.2	0.963626123	5.753233404	0.158872209	0.1	0.82	0.500256811	6.004539682	66064.01403
1349.4	0.963714055	5.753758394	0.158795156	0.1	0.82	0.500014189	6.001625999	66070.01566
1349.6	0.963801945	5.754283135	0.158718221	0.1	0.82	0.499771934	5.998716734	66076.01438
1349.8	0.963889794	5.754807626	0.158641402	0.1	0.82	0.499530046	5.995811876	66082.01019
1350	0.963977601	5.755331868	0.158564699	0.1	0.82	0.499288523	5.992911414	66088.0031
1350.2	0.964065366	5.755855861	0.158488112	0.1	0.82	0.499047366	5.990015335	66093.99311
1350.4	0.96415309	5.756379606	0.15841164	0.1	0.82	0.498806573	5.987123631	66099.98024
1350.6	0.964240772	5.756903102	0.158335284	0.1	0.82	0.498566142	5.984236288	66105.96447
1350.8	0.964328412	5.757426351	0.158259043	0.1	0.82	0.498326074	5.981353296	66111.94583
1351	0.964416011	5.757949353	0.158182916	0.1	0.82	0.498086367	5.978474645	66117.9243
1351.2	0.964503569	5.758472107	0.158106904	0.1	0.82	0.49784702	5.975600322	66123.8999

1351.4	0.964591085	5.758994615	0.158031006	0.1	0.82	0.497608033	5.972730318	66129.87263
1351.6	0.96467856	5.759516877	0.157955222	0.1	0.82	0.497369404	5.969864621	66135.8425
1351.8	0.964765994	5.760038893	0.157879552	0.1	0.82	0.497131133	5.967003221	66141.8095
1352	0.964853387	5.760560663	0.157803995	0.1	0.82	0.496893218	5.964146106	66147.77365
1352.2	0.964940739	5.761082188	0.15772855	0.1	0.82	0.496655659	5.961293266	66153.73494
1352.4	0.96502805	5.761603468	0.157653219	0.1	0.82	0.496418456	5.95844469	66159.69338
1352.6	0.96511532	5.762124504	0.157578	0.1	0.82	0.496181606	5.955600367	66165.64898
1352.8	0.965202548	5.762645295	0.157502893	0.1	0.82	0.495945109	5.952760288	66171.60174
1353	0.965289737	5.763165843	0.157427898	0.1	0.82	0.495708964	5.94992444	66177.55167
1353.2	0.965376884	5.763686148	0.157353014	0.1	0.82	0.495473171	5.947092814	66183.49876
1353.4	0.965463991	5.764206209	0.157278242	0.1	0.82	0.495237729	5.944265399	66189.44303
1353.6	0.965551057	5.764726028	0.157203581	0.1	0.82	0.495002636	5.941442185	66195.38447
1353.8	0.965638082	5.765245605	0.15712903	0.1	0.82	0.494767891	5.93862316	66201.32309
1354	0.965725067	5.765764939	0.157054591	0.1	0.82	0.494533495	5.935808316	66207.2589
1354.2	0.965812011	5.766284032	0.156980261	0.1	0.82	0.494299445	5.93299764	66213.1919
1354.4	0.965898915	5.766802884	0.156906041	0.1	0.82	0.494065742	5.930191123	66219.12209
1354.6	0.965985779	5.767321495	0.156831931	0.1	0.82	0.493832384	5.927388755	66225.04948
1354.8	0.966072602	5.767839865	0.15675793	0.1	0.82	0.49359937	5.924590524	66230.97407
1355	0.966159385	5.768357995	0.156684038	0.1	0.82	0.4933667	5.921796422	66236.89587
1355.2	0.966246128	5.768875885	0.156610256	0.1	0.82	0.493134373	5.919006438	66242.81487
1355.4	0.966332831	5.769393536	0.156536581	0.1	0.82	0.492902387	5.91622056	66248.73109
1355.6	0.966419494	5.769910947	0.156463015	0.1	0.82	0.492670743	5.913438781	66254.64453
1355.8	0.966506117	5.77042812	0.156389557	0.1	0.82	0.492439439	5.910661088	66260.55519
1356	0.9665927	5.770945054	0.156316207	0.1	0.82	0.492208474	5.907887473	66266.46308
1356.2	0.966679243	5.77146175	0.156242965	0.1	0.82	0.491977847	5.905117925	66272.3682
1356.4	0.966765746	5.771978208	0.156169829	0.1	0.82	0.491747558	5.902352434	66278.27055
1356.6	0.966852209	5.772494429	0.156096801	0.1	0.82	0.491517607	5.89959099	66284.17014
1356.8	0.966938633	5.773010412	0.156023879	0.1	0.82	0.491287991	5.896833583	66290.06697
1357	0.967025017	5.773526159	0.155951064	0.1	0.82	0.49105871	5.894080203	66295.96105
1357.2	0.967111361	5.774041669	0.155878355	0.1	0.82	0.490829764	5.891330841	66301.85239
1357.4	0.967197666	5.774556944	0.155805752	0.1	0.82	0.490601151	5.888585487	66307.74097
1357.6	0.967283931	5.775071982	0.155733254	0.1	0.82	0.490372871	5.88584413	66313.62682
1357.8	0.967370157	5.775586785	0.155660862	0.1	0.82	0.490144923	5.883106761	66319.50992
1358	0.967456344	5.776101353	0.155588575	0.1	0.82	0.489917306	5.880373371	66325.3903
1358.2	0.967542491	5.776615687	0.155516393	0.1	0.82	0.489690019	5.877643949	66331.26794
1358.4	0.967628599	5.777129785	0.155444316	0.1	0.82	0.489463062	5.874918485	66337.14286
1358.6	0.967714667	5.77764365	0.155372343	0.1	0.82	0.489236433	5.872196972	66343.01505

1358.8	0.967800697	5.778157281	0.155300474	0.1	0.82	0.489010133	5.869479397	66348.88453
1359	0.967886687	5.778670679	0.155228709	0.1	0.82	0.488784159	5.866765753	66354.7513
1359.2	0.967972639	5.779183843	0.155157048	0.1	0.82	0.488558512	5.864056029	66360.61536
1359.4	0.968058551	5.779696775	0.15508549	0.1	0.82	0.488333191	5.861350216	66366.47671
1359.6	0.968144425	5.780209475	0.155014035	0.1	0.82	0.488108194	5.858648305	66372.33535
1359.8	0.96823026	5.780721942	0.154942683	0.1	0.82	0.487883521	5.855950286	66378.1913
1360	0.968316055	5.781234177	0.154871434	0.1	0.82	0.487659171	5.853256149	66384.04456
1360.2	0.968401813	5.781746181	0.154800287	0.1	0.82	0.487435143	5.850565886	66389.89513
1360.4	0.968487531	5.782257954	0.154729242	0.1	0.82	0.487211438	5.847879487	66395.74301
1360.6	0.968573211	5.782769496	0.154658299	0.1	0.82	0.486988053	5.845196942	66401.5882
1360.8	0.968658852	5.783280808	0.154587458	0.1	0.82	0.486764988	5.842518243	66407.43072
1361	0.968744454	5.78379189	0.154516718	0.1	0.82	0.486542242	5.83984338	66413.27057
1361.2	0.968830018	5.784302742	0.154446079	0.1	0.82	0.486319815	5.837172343	66419.10774
1361.4	0.968915544	5.784813364	0.154375542	0.1	0.82	0.486097706	5.834505124	66424.94224
1361.6	0.969001031	5.785323757	0.154305105	0.1	0.82	0.485875913	5.831841714	66430.77408
1361.8	0.96908648	5.785833921	0.154234768	0.1	0.82	0.485654437	5.829182103	66436.60327
1362	0.969171891	5.786343857	0.154164531	0.1	0.82	0.485433277	5.826526282	66442.42979
1362.2	0.969257263	5.786853564	0.154094395	0.1	0.82	0.485212431	5.823874243	66448.25367
1362.4	0.969342597	5.787363044	0.154024358	0.1	0.82	0.484991899	5.821225976	66454.07489
1362.6	0.969427894	5.787872296	0.153954421	0.1	0.82	0.48477168	5.818581472	66459.89347
1362.8	0.969513152	5.788381321	0.153884583	0.1	0.82	0.484551774	5.815940722	66465.70942
1363	0.969598372	5.788890119	0.153814843	0.1	0.82	0.484332179	5.813303717	66471.52272
1363.2	0.969683554	5.78939869	0.153745203	0.1	0.82	0.484112896	5.810670449	66477.33339
1363.4	0.969768698	5.789907035	0.153675661	0.1	0.82	0.483893922	5.808040908	66483.14143
1363.6	0.969853804	5.790415154	0.153606218	0.1	0.82	0.483675259	5.805415085	66488.94685
1363.8	0.969938873	5.790923047	0.153536872	0.1	0.82	0.483456904	5.802792973	66494.74964
1364	0.970023904	5.791430715	0.153467625	0.1	0.82	0.483238857	5.800174561	66500.54981
1364.2	0.970108897	5.791938158	0.153398475	0.1	0.82	0.483021117	5.797559842	66506.34737
1364.4	0.970193852	5.792445376	0.153329422	0.1	0.82	0.482803684	5.794948806	66512.14232
1364.6	0.97027877	5.79295237	0.153260466	0.1	0.82	0.482586557	5.792341444	66517.93466
1364.8	0.970363651	5.79345914	0.153191608	0.1	0.82	0.482369735	5.789737749	66523.7244
1365	0.970448493	5.793965685	0.153122846	0.1	0.82	0.482153217	5.787137711	66529.51154
1365.2	0.970533299	5.794472008	0.15305418	0.1	0.82	0.481937003	5.784541322	66535.29608
1365.4	0.970618067	5.794978107	0.152985611	0.1	0.82	0.481721092	5.781948573	66541.07803
1365.6	0.970702798	5.795483983	0.152917138	0.1	0.82	0.481505484	5.779359456	66546.85739
1365.8	0.970787491	5.795989637	0.15284876	0.1	0.82	0.481290177	5.776773961	66552.63416
1366	0.970872147	5.796495068	0.152780478	0.1	0.82	0.48107517	5.774192082	66558.40835

1366.2	0.970956766	5.797000277	0.152712292	0.1	0.82	0.480860464	5.771613808	66564.17997
1366.4	0.971041348	5.797505265	0.1526442	0.1	0.82	0.480646058	5.769039132	66569.94901
1366.6	0.971125893	5.798010032	0.152576204	0.1	0.82	0.48043195	5.766468045	66575.71547
1366.8	0.971210401	5.798514577	0.152508302	0.1	0.82	0.48021814	5.763900539	66581.47938
1367	0.971294872	5.799018902	0.152440494	0.1	0.82	0.480004628	5.761336605	66587.24071
1367.2	0.971379306	5.799523006	0.152372781	0.1	0.82	0.479791412	5.758776235	66592.99949
1367.4	0.971463703	5.80002689	0.152305161	0.1	0.82	0.479578492	5.756219421	66598.75571
1367.6	0.971548063	5.800530554	0.152237636	0.1	0.82	0.479365867	5.753666155	66604.50937
1367.8	0.971632386	5.801033999	0.152170204	0.1	0.82	0.479153537	5.751116428	66610.26049
1368	0.971716673	5.801537224	0.152102865	0.1	0.82	0.478941501	5.748570231	66616.00906
1368.2	0.971800923	5.80204023	0.152035619	0.1	0.82	0.478729758	5.746027558	66621.75509
1368.4	0.971885136	5.802543018	0.151968467	0.1	0.82	0.478518308	5.743488399	66627.49858
1368.6	0.971969313	5.803045588	0.151901407	0.1	0.82	0.47830715	5.740952746	66633.23953
1368.8	0.972053454	5.803547939	0.151834439	0.1	0.82	0.478096282	5.738420592	66638.97795
1369	0.972137557	5.804050073	0.151767564	0.1	0.82	0.477885706	5.735891928	66644.71384
1369.2	0.972221625	5.804551989	0.151700781	0.1	0.82	0.477675419	5.733366746	66650.44721
1369.4	0.972305656	5.805053688	0.151634089	0.1	0.82	0.477465421	5.730845038	66656.17805
1369.6	0.972389651	5.80555517	0.15156749	0.1	0.82	0.477255712	5.728326796	66661.90638
1369.8	0.972473609	5.806056435	0.151500981	0.1	0.82	0.47704629	5.725812012	66667.63219
1370	0.972557531	5.806557485	0.151434564	0.1	0.82	0.476837156	5.723300678	66673.35549
1370.2	0.972641417	5.807058318	0.151368238	0.1	0.82	0.476628308	5.720792786	66679.07629
1370.4	0.972725267	5.807558935	0.151302003	0.1	0.82	0.476419746	5.718288329	66684.79457
1370.6	0.972809081	5.808059337	0.151235858	0.1	0.82	0.47621147	5.715787298	66690.51036
1370.8	0.972892859	5.808559524	0.151169804	0.1	0.82	0.476003478	5.713289685	66696.22365
1371	0.972976601	5.809059496	0.151103839	0.1	0.82	0.475795769	5.710795482	66701.93445
1371.2	0.973060307	5.809559254	0.151037965	0.1	0.82	0.475588344	5.708304683	66707.64275
1371.4	0.973143976	5.810058797	0.150972181	0.1	0.82	0.475381202	5.705817278	66713.34857
1371.6	0.973227611	5.810558127	0.150906485	0.1	0.82	0.475174342	5.703333261	66719.0519
1371.8	0.973311209	5.811057242	0.15084088	0.1	0.82	0.474967762	5.700852623	66724.75275
1372	0.973394772	5.811556144	0.150775363	0.1	0.82	0.474761464	5.698375357	66730.45113
1372.2	0.973478299	5.812054833	0.150709936	0.1	0.82	0.474555445	5.695901455	66736.14703
1372.4	0.97356179	5.81255331	0.150644597	0.1	0.82	0.474349706	5.693430909	66741.84046
1372.6	0.973645245	5.813051573	0.150579346	0.1	0.82	0.474144246	5.690963712	66747.53143
1372.8	0.973728666	5.813549625	0.150514184	0.1	0.82	0.473939064	5.688499856	66753.21993
1373	0.97381205	5.814047464	0.15044911	0.1	0.82	0.473734159	5.686039334	66758.90596
1373.2	0.973895399	5.814545092	0.150384124	0.1	0.82	0.473529531	5.683582138	66764.58955
1373.4	0.973978713	5.815042508	0.150319226	0.1	0.82	0.473325179	5.68112826	66770.27068

1373.6	0.974061991	5.815539713	0.150254415	0.1	0.82	0.473121103	5.678677692	66775.94935
1373.8	0.974145234	5.816036708	0.150189692	0.1	0.82	0.472917302	5.676230429	66781.62558
1374	0.974228442	5.816533491	0.150125056	0.1	0.82	0.472713775	5.673786461	66787.29937
1374.2	0.974311615	5.817030065	0.150060506	0.1	0.82	0.472510522	5.671345781	66792.97072
1374.4	0.974394752	5.817526428	0.149996044	0.1	0.82	0.472307542	5.668908383	66798.63962
1374.6	0.974477854	5.818022582	0.149931667	0.1	0.82	0.472104834	5.666474258	66804.3061
1374.8	0.974560922	5.818518526	0.149867378	0.1	0.82	0.471902399	5.664043399	66809.97014
1375	0.974643954	5.819014261	0.149803174	0.1	0.82	0.471700234	5.6616158	66815.63176
1375.2	0.974726951	5.819509787	0.149739056	0.1	0.82	0.471498341	5.659191451	66821.29095
1375.4	0.974809913	5.820005104	0.149675024	0.1	0.82	0.471296717	5.656770347	66826.94772
1375.6	0.97489284	5.820500213	0.149611078	0.1	0.82	0.471095363	5.65435248	66832.60207
1375.8	0.974975733	5.820995114	0.149547217	0.1	0.82	0.470894278	5.651937843	66838.25401
1376	0.97505859	5.821489807	0.149483441	0.1	0.82	0.47069346	5.649526428	66843.90354
1376.2	0.975141413	5.821984293	0.149419751	0.1	0.82	0.470492911	5.647118228	66849.55065
1376.4	0.975224201	5.822478571	0.149356145	0.1	0.82	0.470292628	5.644713236	66855.19537
1376.6	0.975306955	5.822972643	0.149292623	0.1	0.82	0.470092612	5.642311446	66860.83768
1376.8	0.975389674	5.823466507	0.149229186	0.1	0.82	0.469892862	5.639912848	66866.47759
1377	0.975472358	5.823960165	0.149165834	0.1	0.82	0.469693377	5.637517438	66872.11511
1377.2	0.975555008	5.824453617	0.149102565	0.1	0.82	0.469494157	5.635125206	66877.75023
1377.4	0.975637623	5.824946863	0.14903938	0.1	0.82	0.469295201	5.632736147	66883.38297
1377.6	0.975720204	5.825439903	0.148976279	0.1	0.82	0.469096508	5.630350254	66889.01332
1377.8	0.97580275	5.825932738	0.148913262	0.1	0.82	0.468898078	5.627967518	66894.64129
1378	0.975885262	5.826425368	0.148850327	0.1	0.82	0.468699911	5.625587934	66900.26688
1378.2	0.97596774	5.826917793	0.148787476	0.1	0.82	0.468502005	5.623211495	66905.89009
1378.4	0.976050183	5.827410013	0.148724708	0.1	0.82	0.46830436	5.620838192	66911.51093
1378.6	0.976132592	5.827902029	0.148662022	0.1	0.82	0.468106976	5.61846802	66917.12939
1378.8	0.976214967	5.828393841	0.14859942	0.1	0.82	0.467909852	5.616100971	66922.74549
1379	0.976297308	5.828885449	0.148536899	0.1	0.82	0.467712988	5.613737038	66928.35923
1379.2	0.976379615	5.829376854	0.148474461	0.1	0.82	0.467516382	5.611376215	66933.97061
1379.4	0.976461888	5.829868055	0.148412104	0.1	0.82	0.467320034	5.609018495	66939.57963
1379.6	0.976544127	5.830359054	0.14834983	0.1	0.82	0.467123944	5.606663871	66945.18629
1379.8	0.976626331	5.830849849	0.148287637	0.1	0.82	0.466928112	5.604312336	66950.7906
1380	0.976708502	5.831340442	0.148225526	0.1	0.82	0.466732535	5.601963883	66956.39257
1380.2	0.976790639	5.831830833	0.148163496	0.1	0.82	0.466537215	5.599618505	66961.99219
1380.4	0.976872743	5.832321022	0.148101547	0.1	0.82	0.466342151	5.597276196	66967.58946
1380.6	0.976954812	5.832811009	0.148039679	0.1	0.82	0.466147341	5.594936949	66973.1844
1380.8	0.977036848	5.833300795	0.147977892	0.1	0.82	0.465952785	5.592600757	66978.777

1381	0.97711885	5.83379038	0.147916185	0.1	0.82	0.465758484	5.590267614	66984.36727
1381.2	0.977200818	5.834279763	0.147854559	0.1	0.82	0.465564435	5.587937513	66989.9552
1381.4	0.977282753	5.834768946	0.147793013	0.1	0.82	0.465370639	5.585610447	66995.54081
1381.6	0.977364654	5.835257929	0.147731547	0.1	0.82	0.465177096	5.583286409	67001.1241
1381.8	0.977446521	5.835746711	0.147670161	0.1	0.82	0.464983803	5.580965394	67006.70507
1382	0.977528356	5.836235294	0.147608855	0.1	0.82	0.464790762	5.578647393	67012.28371
1382.2	0.977610156	5.836723677	0.147547628	0.1	0.82	0.464597971	5.576332402	67017.86005
1382.4	0.977691924	5.837211861	0.147486481	0.1	0.82	0.464405431	5.574020412	67023.43407
1382.6	0.977773658	5.837699845	0.147425413	0.1	0.82	0.464213139	5.571711419	67029.00578
1382.8	0.977855358	5.83818763	0.147364423	0.1	0.82	0.464021097	5.569405414	67034.57518
1383	0.977937026	5.838675217	0.147303513	0.1	0.82	0.463829302	5.567102393	67040.14229
1383.2	0.97801866	5.839162606	0.147242682	0.1	0.82	0.463637756	5.564802347	67045.70709
1383.4	0.978100261	5.839649796	0.147181928	0.1	0.82	0.463446456	5.562505271	67051.26959
1383.6	0.978181828	5.840136789	0.147121254	0.1	0.82	0.463255403	5.560211158	67056.8298
1383.8	0.978263363	5.840623584	0.147060657	0.1	0.82	0.463064597	5.557920002	67062.38772
1384	0.978344865	5.841110181	0.147000138	0.1	0.82	0.462874036	5.555631797	67067.94336
1384.2	0.978426334	5.841596582	0.146939698	0.1	0.82	0.46268372	5.553346536	67073.4967
1384.4	0.978507769	5.842082785	0.146879335	0.1	0.82	0.462493649	5.551064212	67079.04777
1384.6	0.978589172	5.842568792	0.146819049	0.1	0.82	0.462303821	5.54878482	67084.59655
1384.8	0.978670542	5.843054603	0.146758841	0.1	0.82	0.462114238	5.546508353	67090.14306
1385	0.978751879	5.843540217	0.14669871	0.1	0.82	0.461924897	5.544234805	67095.6873
1385.2	0.978833183	5.844025636	0.146638655	0.1	0.82	0.461735798	5.541964169	67101.22926
1385.4	0.978914454	5.844510859	0.146578678	0.1	0.82	0.461546942	5.53969644	67106.76896
1385.6	0.978995693	5.844995887	0.146518778	0.1	0.82	0.461358327	5.53743161	67112.30639
1385.8	0.979076899	5.845480719	0.146458953	0.1	0.82	0.461169952	5.535169674	67117.84156
1386	0.979158073	5.845965357	0.146399206	0.1	0.82	0.460981819	5.532910626	67123.37447
1386.2	0.979239213	5.846449799	0.146339534	0.1	0.82	0.460793925	5.530654459	67128.90512
1386.4	0.979320322	5.846934048	0.146279938	0.1	0.82	0.46060627	5.528401167	67134.43352
1386.6	0.979401397	5.847418102	0.146220419	0.1	0.82	0.460418854	5.526150744	67139.95967
1386.8	0.979482441	5.847901963	0.146160975	0.1	0.82	0.460231677	5.523903185	67145.48358
1387	0.979563451	5.84838563	0.146101606	0.1	0.82	0.460044737	5.521658481	67151.00524
1387.2	0.97964443	5.848869103	0.146042313	0.1	0.82	0.459858035	5.519416629	67156.52465
1387.4	0.979725376	5.849352383	0.145983095	0.1	0.82	0.459671569	5.517177621	67162.04183
1387.6	0.979806289	5.84983547	0.145923952	0.1	0.82	0.45948534	5.514941452	67167.55677
1387.8	0.979887171	5.850318365	0.145864884	0.1	0.82	0.459299346	5.512708115	67173.06948
1388	0.97996802	5.850801067	0.14580589	0.1	0.82	0.459113588	5.510477605	67178.57996
1388.2	0.980048837	5.851283577	0.145746972	0.1	0.82	0.458928065	5.508249915	67184.08821

1388.4	0.980129622	5.851765895	0.145688127	0.1	0.82	0.458742775	5.50602504	67189.59423
1388.6	0.980210375	5.852248021	0.145629357	0.1	0.82	0.45855772	5.503802973	67195.09804
1388.8	0.980291095	5.852729955	0.145570661	0.1	0.82	0.458372898	5.501583709	67200.59962
1389	0.980371784	5.853211699	0.145512039	0.1	0.82	0.458188309	5.499367241	67206.09899
1389.2	0.980452441	5.853693251	0.145453491	0.1	0.82	0.458003952	5.497153564	67211.59614
1389.4	0.980533065	5.854174612	0.145395016	0.1	0.82	0.457819827	5.494942672	67217.09108
1389.6	0.980613658	5.854655783	0.145336615	0.1	0.82	0.457635933	5.492734559	67222.58382
1389.8	0.980694219	5.855136764	0.145278287	0.1	0.82	0.45745227	5.490529219	67228.07435
1390	0.980774748	5.855617554	0.145220032	0.1	0.82	0.457268838	5.488326646	67233.56267
1390.2	0.980855245	5.856098155	0.145161851	0.1	0.82	0.457085635	5.486126835	67239.0488
1390.4	0.980935711	5.856578566	0.145103742	0.1	0.82	0.456902662	5.483929779	67244.53273
1390.6	0.981016144	5.857058788	0.145045705	0.1	0.82	0.456719917	5.481735473	67250.01446
1390.8	0.981096546	5.85753882	0.144987742	0.1	0.82	0.456537401	5.479543911	67255.49401
1391	0.981176917	5.858018664	0.14492985	0.1	0.82	0.456355113	5.477355087	67260.97136
1391.2	0.981257256	5.858498319	0.144872031	0.1	0.82	0.456173053	5.475168996	67266.44653
1391.4	0.981337563	5.858977785	0.144814285	0.1	0.82	0.455991219	5.472985631	67271.91952
1391.6	0.981417839	5.859457063	0.14475661	0.1	0.82	0.455809612	5.470804987	67277.39032
1391.8	0.981498083	5.859936154	0.144699006	0.1	0.82	0.455628231	5.468627059	67282.85895
1392	0.981578296	5.860415056	0.144641475	0.1	0.82	0.455447076	5.466451841	67288.3254
1392.2	0.981658477	5.860893771	0.144584015	0.1	0.82	0.455266145	5.464279326	67293.78968
1392.4	0.981738627	5.861372299	0.144526626	0.1	0.82	0.45508544	5.46210951	67299.25179
1392.6	0.981818746	5.861850639	0.144469308	0.1	0.82	0.454904958	5.459942387	67304.71173
1392.8	0.981898833	5.862328793	0.144412062	0.1	0.82	0.4547247	5.457777951	67310.16951
1393	0.981978889	5.86280676	0.144354886	0.1	0.82	0.454544666	5.455616196	67315.62513
1393.2	0.982058914	5.863284541	0.144297781	0.1	0.82	0.454364854	5.453457118	67321.07858
1393.4	0.982138908	5.863762135	0.144240747	0.1	0.82	0.454185264	5.451300709	67326.52989
1393.6	0.98221887	5.864239544	0.144183783	0.1	0.82	0.454005897	5.449146966	67331.97903
1393.8	0.982298802	5.864716767	0.14412689	0.1	0.82	0.45382675	5.446995882	67337.42603
1394	0.982378702	5.865193804	0.144070066	0.1	0.82	0.453647825	5.444847452	67342.87088
1394.2	0.982458572	5.865670656	0.144013313	0.1	0.82	0.45346912	5.44270167	67348.31358
1394.4	0.98253841	5.866147323	0.14395663	0.1	0.82	0.453290635	5.440558531	67353.75414
1394.6	0.982618217	5.866623806	0.143900016	0.1	0.82	0.45311237	5.438418029	67359.19255
1394.8	0.982697994	5.867100103	0.143843472	0.1	0.82	0.452934324	5.43628016	67364.62883
1395	0.98277774	5.867576217	0.143786997	0.1	0.82	0.452756496	5.434144917	67370.06298
1395.2	0.982857454	5.868052146	0.143730591	0.1	0.82	0.452578886	5.432012294	67375.49499
1395.4	0.982937138	5.868527891	0.143674255	0.1	0.82	0.452401495	5.429882288	67380.92487
1395.6	0.983016792	5.869003453	0.143617988	0.1	0.82	0.45222432	5.427754892	67386.35263

1395.8	0.983096414	5.869478831	0.14356179	0.1	0.82	0.452047363	5.425630101	67391.77826
1396	0.983176006	5.869954026	0.14350566	0.1	0.82	0.451870622	5.423507909	67397.20177
1396.2	0.983255567	5.870429037	0.143449599	0.1	0.82	0.451694097	5.421388312	67402.62315
1396.4	0.983335098	5.870903866	0.143393606	0.1	0.82	0.451517787	5.419271303	67408.04243
1396.6	0.983414597	5.871378513	0.143337682	0.1	0.82	0.451341693	5.417156878	67413.45958
1396.8	0.983494067	5.871852977	0.143281826	0.1	0.82	0.451165813	5.415045031	67418.87463
1397	0.983573506	5.872327259	0.143226038	0.1	0.82	0.450990147	5.412935758	67424.28756
1397.2	0.983652914	5.872801359	0.143170317	0.1	0.82	0.450814695	5.410829052	67429.69839
1397.4	0.983732292	5.873275277	0.143114665	0.1	0.82	0.450639456	5.408724909	67435.10712
1397.6	0.98381164	5.873749014	0.14305908	0.1	0.82	0.450464431	5.406623323	67440.51374
1397.8	0.983890957	5.874222569	0.143003562	0.1	0.82	0.450289617	5.404524289	67445.91827
1398	0.983970244	5.874695944	0.142948112	0.1	0.82	0.450115016	5.402427801	67451.32069
1398.2	0.9840495	5.875169137	0.142892729	0.1	0.82	0.449940627	5.400333856	67456.72103
1398.4	0.984128727	5.87564215	0.142837414	0.1	0.82	0.449766448	5.398242447	67462.11927
1398.6	0.984207923	5.876114983	0.142782165	0.1	0.82	0.44959248	5.396153569	67467.51542
1398.8	0.984287089	5.876587635	0.142726983	0.1	0.82	0.449418723	5.394067218	67472.90949
1399	0.984366225	5.877060107	0.142671867	0.1	0.82	0.449245175	5.391983387	67478.30147
1399.2	0.98444533	5.8775324	0.142616818	0.1	0.82	0.449071837	5.389902073	67483.69138
1399.4	0.984524406	5.878004513	0.142561836	0.1	0.82	0.448898708	5.387823269	67489.0792
1399.6	0.984603451	5.878476446	0.142506919	0.1	0.82	0.448725787	5.385746971	67494.46495
1399.8	0.984682467	5.878948201	0.142452069	0.1	0.82	0.448553075	5.383673174	67499.84862
1400	0.984761453	5.879419777	0.142397285	0.1	0.82	0.44838057	5.381601873	67505.23022
1400.2	0.984840408	5.879891173	0.142342566	0.1	0.82	0.448208273	5.379533062	67510.60975
1400.4	0.984919334	5.880362392	0.142287914	0.1	0.82	0.448036183	5.377466736	67515.98722
1400.6	0.98499823	5.880833432	0.142233327	0.1	0.82	0.447864299	5.375402892	67521.36262
1400.8	0.985077096	5.881304294	0.142178805	0.1	0.82	0.447692621	5.373341522	67526.73597
1401	0.985155932	5.881774978	0.142124349	0.1	0.82	0.447521149	5.371282623	67532.10725
1401.2	0.985234739	5.882245485	0.142069958	0.1	0.82	0.447349882	5.36922619	67537.47647
1401.4	0.985313516	5.882715814	0.142015632	0.1	0.82	0.447178821	5.367172218	67542.84365
1401.6	0.985392263	5.883185965	0.14196137	0.1	0.82	0.447007963	5.365120701	67548.20877
1401.8	0.98547098	5.88365594	0.141907174	0.1	0.82	0.446837309	5.363071635	67553.57184
1402	0.985549668	5.884125738	0.141853042	0.1	0.82	0.44666686	5.361025015	67558.93286
1402.2	0.985628326	5.88459536	0.141798975	0.1	0.82	0.446496613	5.358980835	67564.29184
1402.4	0.985706955	5.885064804	0.141744972	0.1	0.82	0.446326569	5.356939092	67569.64878
1402.6	0.985785554	5.885534073	0.141691034	0.1	0.82	0.446156728	5.35489978	67575.00368
1402.8	0.985864124	5.886003166	0.14163716	0.1	0.82	0.445987088	5.352862894	67580.35655
1403	0.985942664	5.886472083	0.141583349	0.1	0.82	0.44581765	5.35082843	67585.70737

1403.2	0.986021175	5.886940824	0.141529603	0.1	0.82	0.445648414	5.348796382	67591.05617
1403.4	0.986099657	5.88740939	0.14147592	0.1	0.82	0.445479378	5.346766746	67596.40294
1403.6	0.986178109	5.887877781	0.141422301	0.1	0.82	0.445310542	5.344739518	67601.74768
1403.8	0.986256532	5.888345997	0.141368746	0.1	0.82	0.445141906	5.342714691	67607.09039
1404	0.986334925	5.888814038	0.141315254	0.1	0.82	0.444973471	5.340692262	67612.43108
1404.2	0.98641329	5.889281905	0.141261825	0.1	0.82	0.444805234	5.338672225	67617.76976
1404.4	0.986491625	5.889749597	0.141208459	0.1	0.82	0.444637196	5.336654577	67623.10641
1404.6	0.986569931	5.890217115	0.141155156	0.1	0.82	0.444469356	5.334639311	67628.44105
1404.8	0.986648208	5.89068446	0.141101916	0.1	0.82	0.444301715	5.332626424	67633.77368
1405	0.986726456	5.89115163	0.141048739	0.1	0.82	0.444134271	5.330615911	67639.10429
1405.2	0.986804674	5.891618627	0.140995625	0.1	0.82	0.443967024	5.328607767	67644.4329
1405.4	0.986882864	5.89208545	0.140942573	0.1	0.82	0.443799974	5.326601987	67649.7595
1405.6	0.986961025	5.892552101	0.140889584	0.1	0.82	0.443633121	5.324598567	67655.0841
1405.8	0.987039156	5.893018578	0.140836656	0.1	0.82	0.443466463	5.322597502	67660.4067
1406	0.987117259	5.893484883	0.140783791	0.1	0.82	0.443300001	5.320598787	67665.7273
1406.2	0.987195333	5.893951015	0.140730988	0.1	0.82	0.443133735	5.318602418	67671.0459
1406.4	0.987273378	5.894416975	0.140678247	0.1	0.82	0.442967663	5.31660839	67676.36251
1406.6	0.987351394	5.894882763	0.140625567	0.1	0.82	0.442801786	5.314616699	67681.67712
1406.8	0.987429381	5.895348378	0.14057295	0.1	0.82	0.442636104	5.31262734	67686.98975
1407	0.98750734	5.895813822	0.140520393	0.1	0.82	0.442470614	5.310640307	67692.30039
1407.2	0.98758527	5.896279095	0.140467898	0.1	0.82	0.442305319	5.308655598	67697.60905
1407.4	0.987663171	5.896744196	0.140415465	0.1	0.82	0.442140216	5.306673207	67702.91572
1407.6	0.987741043	5.897209126	0.140363093	0.1	0.82	0.441975306	5.304693129	67708.22041
1407.8	0.987818887	5.897673885	0.140310781	0.1	0.82	0.441810588	5.302715361	67713.52313
1408	0.987896703	5.898138473	0.140258531	0.1	0.82	0.441646062	5.300739897	67718.82387
1408.2	0.987974489	5.898602891	0.140206341	0.1	0.82	0.441481727	5.298766733	67724.12264
1408.4	0.988052247	5.899067138	0.140154212	0.1	0.82	0.441317584	5.296795865	67729.41943
1408.6	0.988129977	5.899531216	0.140102144	0.1	0.82	0.441153631	5.294827288	67734.71426
1408.8	0.988207678	5.899995123	0.140050136	0.1	0.82	0.440989869	5.292860997	67740.00712
1409	0.988285351	5.90045886	0.139998189	0.1	0.82	0.440826296	5.290896989	67745.29802
1409.2	0.988362995	5.900922428	0.139946301	0.1	0.82	0.440662914	5.288935259	67750.58695
1409.4	0.988440611	5.901385826	0.139894474	0.1	0.82	0.44049972	5.286975801	67755.87393
1409.6	0.988518199	5.901849056	0.139842707	0.1	0.82	0.440336715	5.285018613	67761.15895
1409.8	0.988595758	5.902312116	0.139791	0.1	0.82	0.440173899	5.283063689	67766.44201
1410	0.988673289	5.902775007	0.139739352	0.1	0.82	0.440011271	5.281111025	67771.72312
1410.2	0.988750792	5.90323773	0.139687764	0.1	0.82	0.439848831	5.279160617	67777.00228
1410.4	0.988828267	5.903700285	0.139636236	0.1	0.82	0.439686579	5.27721246	67782.2795

1410.6	0.988905713	5.904162671	0.139584767	0.1	0.82	0.439524513	5.27526655	67787.55476
1410.8	0.988983132	5.904624889	0.139533357	0.1	0.82	0.439362634	5.273322882	67792.82808
1411	0.989060522	5.905086939	0.139482006	0.1	0.82	0.439200941	5.271381453	67798.09947
1411.2	0.989137884	5.905548822	0.139430715	0.1	0.82	0.439039435	5.269442258	67803.36891
1411.4	0.989215218	5.906010537	0.139379482	0.1	0.82	0.438878114	5.267505292	67808.63641
1411.6	0.989292524	5.906472085	0.139328309	0.1	0.82	0.438716978	5.265570551	67813.90198
1411.8	0.989369802	5.906933465	0.139277194	0.1	0.82	0.438556027	5.263638032	67819.16562
1412	0.989447052	5.907394679	0.139226137	0.1	0.82	0.438395261	5.261707729	67824.42733
1412.2	0.989524274	5.907855726	0.139175139	0.1	0.82	0.438234679	5.259779639	67829.68711
1412.4	0.989601468	5.908316607	0.1391242	0.1	0.82	0.438074281	5.257853757	67834.94496
1412.6	0.989678635	5.908777321	0.139073319	0.1	0.82	0.437914066	5.255930079	67840.20089
1412.8	0.989755773	5.909237869	0.139022496	0.1	0.82	0.437754034	5.2540086	67845.4549
1413	0.989832884	5.909698251	0.138971731	0.1	0.82	0.437594185	5.252089317	67850.70699
1413.2	0.989909967	5.910158468	0.138921024	0.1	0.82	0.437434519	5.250172226	67855.95716
1413.4	0.989987022	5.910618519	0.138870374	0.1	0.82	0.437275035	5.248257321	67861.20542
1413.6	0.99006405	5.911078404	0.138819783	0.1	0.82	0.437115732	5.246344599	67866.45177
1413.8	0.99014105	5.911538124	0.138769249	0.1	0.82	0.436956611	5.244434056	67871.6962
1414	0.990218022	5.911997679	0.138718772	0.1	0.82	0.436797671	5.242525688	67876.93873
1414.2	0.990294967	5.912457069	0.138668353	0.1	0.82	0.436638911	5.240619489	67882.17934
1414.4	0.990371884	5.912916295	0.138617992	0.1	0.82	0.436480332	5.238715458	67887.41806
1414.6	0.990448773	5.913375356	0.138567687	0.1	0.82	0.436321933	5.236813588	67892.65487
1414.8	0.990525635	5.913834253	0.138517439	0.1	0.82	0.436163713	5.234913876	67897.88979
1415	0.99060247	5.914292986	0.138467249	0.1	0.82	0.436005673	5.233016318	67903.1228
1415.2	0.990679277	5.914751554	0.138417115	0.1	0.82	0.435847812	5.23112091	67908.35392
1415.4	0.990756056	5.915209959	0.138367038	0.1	0.82	0.435690129	5.229227647	67913.58315
1415.6	0.990832809	5.915668201	0.138317018	0.1	0.82	0.435532625	5.227336526	67918.81049
1415.8	0.990909534	5.916126279	0.138267054	0.1	0.82	0.435375299	5.225447543	67924.03594
1416	0.990986231	5.916584194	0.138217146	0.1	0.82	0.43521815	5.223560693	67929.2595
1416.2	0.991062901	5.917041946	0.138167295	0.1	0.82	0.435061179	5.221675973	67934.48117
1416.4	0.991139544	5.917499535	0.1381175	0.1	0.82	0.434904384	5.219793378	67939.70097
1416.6	0.99121616	5.917956961	0.138067761	0.1	0.82	0.434747766	5.217912904	67944.91888
1416.8	0.991292748	5.918414225	0.138018078	0.1	0.82	0.434591325	5.216034548	67950.13491
1417	0.99136931	5.918871327	0.137968451	0.1	0.82	0.434435059	5.214158305	67955.34907
1417.2	0.991445844	5.919328266	0.13791888	0.1	0.82	0.434278969	5.212284171	67960.56136
1417.4	0.991522351	5.919785044	0.137869364	0.1	0.82	0.434123055	5.210412143	67965.77177
1417.6	0.991598831	5.92024166	0.137819904	0.1	0.82	0.433967315	5.208542216	67970.98031
1417.8	0.991675284	5.920698114	0.1377705	0.1	0.82	0.43381175	5.206674387	67976.18699

1418	0.99175171	5.921154407	0.137721151	0.1	0.82	0.433656359	5.204808651	67981.39179
1418.2	0.991828108	5.921610538	0.137671857	0.1	0.82	0.433501142	5.202945004	67986.59474
1418.4	0.99190448	5.922066509	0.137622618	0.1	0.82	0.433346099	5.201083444	67991.79582
1418.6	0.991980825	5.922522319	0.137573434	0.1	0.82	0.433191229	5.199223965	67996.99505
1418.8	0.992057143	5.922977968	0.137524305	0.1	0.82	0.433036532	5.197366564	68002.19241
1419	0.992133434	5.923433456	0.137475231	0.1	0.82	0.432882008	5.195511236	68007.38792
1419.2	0.992209699	5.923888784	0.137426212	0.1	0.82	0.432727656	5.193657979	68012.58158
1419.4	0.992285936	5.924343952	0.137377247	0.1	0.82	0.432573476	5.191806788	68017.77339
1419.6	0.992362147	5.924798961	0.137328337	0.1	0.82	0.432419467	5.189957659	68022.96335
1419.8	0.992438331	5.925253809	0.137279481	0.1	0.82	0.432265631	5.188110588	68028.15146
1420	0.992514488	5.925708497	0.13723068	0.1	0.82	0.432111965	5.186265573	68033.33772
1420.2	0.992590618	5.926163027	0.137181933	0.1	0.82	0.43195847	5.184422607	68038.52215
1420.4	0.992666722	5.926617397	0.13713324	0.1	0.82	0.431805145	5.182581689	68043.70473
1420.6	0.992742799	5.927071607	0.137084601	0.1	0.82	0.431651991	5.180742814	68048.88547
1420.8	0.99281885	5.927525659	0.137036016	0.1	0.82	0.431499006	5.178905978	68054.06438
1421	0.992894873	5.927979552	0.136987484	0.1	0.82	0.43134619	5.177071177	68059.24145
1421.2	0.992970871	5.928433287	0.136939007	0.1	0.82	0.431193544	5.175238409	68064.41669
1421.4	0.993046842	5.928886863	0.136890583	0.1	0.82	0.431041067	5.173407668	68069.59009
1421.6	0.993122786	5.929340281	0.136842212	0.1	0.82	0.430888758	5.171578951	68074.76167
1421.8	0.993198704	5.929793541	0.136793895	0.1	0.82	0.430736618	5.169752255	68079.93142
1422	0.993274595	5.930246643	0.136745632	0.1	0.82	0.430584645	5.167927575	68085.09935
1422.2	0.99335046	5.930699587	0.136697421	0.1	0.82	0.43043284	5.166104908	68090.26546
1422.4	0.993426299	5.931152374	0.136649264	0.1	0.82	0.430281202	5.164284251	68095.42974
1422.6	0.993502111	5.931605003	0.13660116	0.1	0.82	0.430129731	5.162465599	68100.59221
1422.8	0.993577897	5.932057475	0.136553108	0.1	0.82	0.429978427	5.160648948	68105.75286
1423	0.993653656	5.93250979	0.13650511	0.1	0.82	0.429827289	5.158834296	68110.91169
1423.2	0.99372939	5.932961948	0.136457164	0.1	0.82	0.429676317	5.157021638	68116.06871
1423.4	0.993805097	5.93341395	0.136409271	0.1	0.82	0.429525511	5.15521097	68121.22392
1423.6	0.993880778	5.933865795	0.13636143	0.1	0.82	0.429374871	5.15340229	68126.37732
1423.8	0.993956432	5.934317483	0.136313642	0.1	0.82	0.429224395	5.151595593	68131.52892
1424	0.994032061	5.934769016	0.136265906	0.1	0.82	0.429074084	5.149790876	68136.67871
1424.2	0.994107663	5.935220392	0.136218222	0.1	0.82	0.428923938	5.147988134	68141.8267
1424.4	0.994183239	5.935671613	0.136170591	0.1	0.82	0.428773956	5.146187366	68146.97289
1424.6	0.99425879	5.936122678	0.136123011	0.1	0.82	0.428624138	5.144388565	68152.11728
1424.8	0.994334314	5.936573587	0.136075484	0.1	0.82	0.428474484	5.142591731	68157.25987
1425	0.994409812	5.937024341	0.136028008	0.1	0.82	0.428324993	5.140796857	68162.40066
1425.2	0.994485284	5.93747494	0.135980584	0.1	0.82	0.428175664	5.139003942	68167.53967

1425.4	0.99456073	5.937925384	0.135933212	0.1	0.82	0.428026499	5.137212981	68172.67688
1425.6	0.99463615	5.938375673	0.135885892	0.1	0.82	0.427877496	5.135423971	68177.8123
1425.8	0.994711545	5.938825807	0.135838623	0.1	0.82	0.427728655	5.133636908	68182.94594
1426	0.994786913	5.939275787	0.135791405	0.1	0.82	0.427579976	5.131851789	68188.07779
1426.2	0.994862256	5.939725612	0.135744239	0.1	0.82	0.427431459	5.13006861	68193.20786
1426.4	0.994937573	5.940175284	0.135697123	0.1	0.82	0.427283102	5.128287367	68198.33615
1426.6	0.995012864	5.940624801	0.135650059	0.1	0.82	0.427134907	5.126508058	68203.46266
1426.8	0.995088129	5.941074164	0.135603046	0.1	0.82	0.426986872	5.124730678	68208.58739
1427	0.995163368	5.941523374	0.135556084	0.1	0.82	0.426838998	5.122955224	68213.71034
1427.2	0.995238582	5.94197243	0.135509173	0.1	0.82	0.426691284	5.121181693	68218.83153
1427.4	0.99531377	5.942421333	0.135462312	0.1	0.82	0.426543729	5.11941008	68223.95094
1427.6	0.995388933	5.942870083	0.135415503	0.1	0.82	0.426396334	5.117640383	68229.06858
1427.8	0.995464069	5.943318679	0.135368743	0.1	0.82	0.426249099	5.115872599	68234.18445
1428	0.99553918	5.943767123	0.135322034	0.1	0.82	0.426102022	5.114106723	68239.29855
1428.2	0.995614266	5.944215414	0.135275376	0.1	0.82	0.425955103	5.112342752	68244.4109
1428.4	0.995689326	5.944663553	0.135228768	0.1	0.82	0.425808344	5.110580682	68249.52148
1428.6	0.995764361	5.945111539	0.13518221	0.1	0.82	0.425661742	5.108820511	68254.6303
1428.8	0.99583937	5.945559373	0.135135702	0.1	0.82	0.425515298	5.107062235	68259.73736
1429	0.995914353	5.946007054	0.135089244	0.1	0.82	0.425369011	5.10530585	68264.84267
1429.2	0.995989311	5.946454584	0.135042836	0.1	0.82	0.425222881	5.103551353	68269.94622
1429.4	0.996064244	5.946901963	0.134996478	0.1	0.82	0.425076909	5.101798741	68275.04802
1429.6	0.996139151	5.947349189	0.134950169	0.1	0.82	0.424931093	5.10004801	68280.14806
1429.8	0.996214033	5.947796265	0.13490391	0.1	0.82	0.424785433	5.098299156	68285.24636
1430	0.99628889	5.948243189	0.134857701	0.1	0.82	0.42463993	5.096552177	68290.34292
1430.2	0.996363721	5.948689961	0.134811541	0.1	0.82	0.424494582	5.094807069	68295.43772
1430.4	0.996438527	5.949136583	0.134765431	0.1	0.82	0.42434939	5.093063829	68300.53079
1430.6	0.996513308	5.949583055	0.13471937	0.1	0.82	0.424204353	5.091322453	68305.62211
1430.8	0.996588064	5.950029375	0.134673358	0.1	0.82	0.42405947	5.089582937	68310.71169
1431	0.996662794	5.950475545	0.134627395	0.1	0.82	0.423914743	5.08784528	68315.79954
1431.2	0.996737499	5.950921565	0.134581482	0.1	0.82	0.42377017	5.086109477	68320.88565
1431.4	0.996812179	5.951367435	0.134535617	0.1	0.82	0.423625751	5.084375524	68325.97002
1431.6	0.996886834	5.951813154	0.134489801	0.1	0.82	0.423481486	5.08264342	68331.05267
1431.8	0.996961464	5.952258724	0.134444034	0.1	0.82	0.423337374	5.080913159	68336.13358
1432	0.997036069	5.952704144	0.134398315	0.1	0.82	0.423193416	5.07918474	68341.21276
1432.2	0.997110648	5.953149415	0.134352646	0.1	0.82	0.423049611	5.077458158	68346.29022
1432.4	0.997185203	5.953594537	0.134307024	0.1	0.82	0.422905958	5.075733411	68351.36596
1432.6	0.997259733	5.954039509	0.134261451	0.1	0.82	0.422762458	5.074010495	68356.43997

1432.8	0.997334238	5.954484332	0.134215927	0.1	0.82	0.42261911	5.072289407	68361.51226
1433	0.997408717	5.954929006	0.13417045	0.1	0.82	0.422475914	5.070570144	68366.58283
1433.2	0.997483172	5.955373532	0.134125022	0.1	0.82	0.42233287	5.068852702	68371.65168
1433.4	0.997557602	5.955817908	0.134079642	0.1	0.82	0.422189977	5.067137078	68376.71882
1433.6	0.997632007	5.956262137	0.13403431	0.1	0.82	0.422047235	5.065423269	68381.78424
1433.8	0.997706388	5.956706217	0.133989026	0.1	0.82	0.421904644	5.063711272	68386.84795
1434	0.997780743	5.957150149	0.133943789	0.1	0.82	0.421762203	5.062001084	68391.90995
1434.2	0.997855074	5.957593934	0.133898601	0.1	0.82	0.421619913	5.060292701	68396.97024
1434.4	0.99792938	5.95803757	0.133853459	0.1	0.82	0.421477773	5.058586119	68402.02883
1434.6	0.998003661	5.958481059	0.133808366	0.1	0.82	0.421335783	5.056881337	68407.08571
1434.8	0.998077918	5.9589244	0.13376332	0.1	0.82	0.421193942	5.055178351	68412.14089
1435	0.99815215	5.959367594	0.133718321	0.1	0.82	0.421052251	5.053477157	68417.19437
1435.2	0.998226357	5.959810641	0.13367337	0.1	0.82	0.420910708	5.051777752	68422.24614
1435.4	0.998300539	5.96025354	0.133628466	0.1	0.82	0.420769314	5.050080134	68427.29622
1435.6	0.998374697	5.960696293	0.133583609	0.1	0.82	0.420628069	5.048384298	68432.34461
1435.8	0.998448831	5.961138899	0.133538799	0.1	0.82	0.420486972	5.046690243	68437.3913
1436	0.99852294	5.961581359	0.133494037	0.1	0.82	0.420346022	5.044997964	68442.4363
1436.2	0.998597024	5.962023672	0.133449321	0.1	0.82	0.420205221	5.04330746	68447.4796
1436.4	0.998671084	5.962465839	0.133404652	0.1	0.82	0.420064567	5.041618725	68452.52122
1436.6	0.998745119	5.962907859	0.133360029	0.1	0.82	0.41992406	5.039931758	68457.56116
1436.8	0.99881913	5.963349734	0.133315453	0.1	0.82	0.4197837	5.038246555	68462.5994
1437	0.998893117	5.963791463	0.133270924	0.1	0.82	0.419643486	5.036563114	68467.63596
1437.2	0.998967079	5.964233046	0.133226442	0.1	0.82	0.419503419	5.034881431	68472.67085
1437.4	0.999041016	5.964674484	0.133182005	0.1	0.82	0.419363498	5.033201502	68477.70405
1437.6	0.99911493	5.965115776	0.133137615	0.1	0.82	0.419223723	5.031523326	68482.73557
1437.8	0.999188819	5.965556923	0.133093272	0.1	0.82	0.419084093	5.029846899	68487.76542
1438	0.999262683	5.965997926	0.133048974	0.1	0.82	0.418944609	5.028172217	68492.79359
1438.2	0.999336524	5.966438783	0.133004723	0.1	0.82	0.41880527	5.026499278	68497.82009
1438.4	0.99941034	5.966879495	0.132960517	0.1	0.82	0.418666076	5.024828079	68502.84492
1438.6	0.999484132	5.967320063	0.132916358	0.1	0.82	0.418527027	5.023158617	68507.86808
1438.8	0.9995579	5.967760486	0.132872244	0.1	0.82	0.418388121	5.021490888	68512.88957
1439	0.999631644	5.968200765	0.132828176	0.1	0.82	0.41824936	5.01982489	68517.90939
1439.2	0.999705363	5.9686409	0.132784154	0.1	0.82	0.418110743	5.01816062	68522.92755
1439.4	0.999779058	5.969080891	0.132740177	0.1	0.82	0.417972269	5.016498074	68527.94405
1439.6	0.99985273	5.969520737	0.132696246	0.1	0.82	0.417833939	5.01483725	68532.95889
1439.8	0.999926377	5.96996044	0.13265236	0.1	0.82	0.417695752	5.013178144	68537.97207
1440	1	5.9704	0.13260852	0.1	0.82	0.417557707	5.011520754	68542.98359

1440.2	1	5.9704	0.128798301	0.1	0.82	0.405560091	4.93870679	68547.92229
1440.4	1	5.9704	0.124989356	0.1	0.82	0.393566485	4.794759455	68552.71705
1440.6	1	5.9704	0.121181683	0.1	0.82	0.381576884	4.650860213	68557.36791
1440.8	1	5.9704	0.117375281	0.1	0.82	0.369591285	4.507009015	68561.87492
1441	1	5.9704	0.113570148	0.1	0.82	0.357609683	4.36320581	68566.23813
1441.2	1	5.9704	0.109766284	0.1	0.82	0.345632075	4.219450549	68570.45758
1441.4	1	5.9704	0.105963686	0.1	0.82	0.333658455	4.075743181	68574.53332
1441.6	1	5.9704	0.102162354	0.1	0.82	0.321688821	3.932083657	68578.46541
1441.8	1	5.9704	0.098362286	0.1	0.82	0.309723167	3.788471926	68582.25388
1442	1	5.9704	0.094563481	0.1	0.82	0.29776149	3.64490794	68585.89879
1442.2	1	5.9704	0.090765938	0.1	0.82	0.285803785	3.501391648	68589.40018
1442.4	1	5.9704	0.086969655	0.1	0.82	0.273850049	3.357923001	68592.7581
1442.6	1	5.9704	0.08317463	0.1	0.82	0.261900276	3.21450195	68595.9726
1442.8	1	5.9704	0.079380864	0.1	0.82	0.249954464	3.071128445	68599.04373
1443	1	5.9704	0.075588354	0.1	0.82	0.238012608	2.927802437	68601.97153
1443.2	1	5.9704	0.071797099	0.1	0.82	0.226074704	2.784523876	68604.75606
1443.4	1	5.9704	0.068007097	0.1	0.82	0.214140748	2.641292715	68607.39735
1443.6	1	5.9704	0.064218348	0.1	0.82	0.202210736	2.498108903	68609.89546
1443.8	1	5.9704	0.060430851	0.1	0.82	0.190284663	2.354972391	68612.25043
1444	1	5.9704	0.056644603	0.1	0.82	0.178362526	2.211883132	68614.46231
1444.2	1	5.9704	0.052859604	0.1	0.82	0.16644432	2.068841076	68616.53115
1444.4	1	5.9704	0.049075852	0.1	0.82	0.154530042	1.925846174	68618.457
1444.6	1	5.9704	0.045293346	0.1	0.82	0.142619688	1.782898378	68620.2399
1444.8	1	5.9704	0.041512085	0.1	0.82	0.130713252	1.639997639	68621.8799
1445	1	5.9704	0.037732067	0.1	0.82	0.118810733	1.49714391	68623.37704
1445.2	1	5.9704	0.033953291	0.1	0.82	0.106912124	1.354337141	68624.73138
1445.4	1	5.9704	0.030175757	0.1	0.82	0.095017423	1.211577284	68625.94296
1445.6	1	5.9704	0.026399462	0.1	0.82	0.083126626	1.068864292	68627.01182
1445.8	1	5.9704	0.022624405	0.1	0.82	0.071239727	0.926198116	68627.93802
1446	1	5.9704	0.018850586	0.1	0.82	0.059356724	0.783578708	68628.7216
1446.2	1	5.9704	0.015078002	0.1	0.82	0.047477613	0.64100602	68629.3626
1446.4	1	5.9704	0.011306653	0.1	0.82	0.035602388	0.498480005	68629.86108
1446.6	1	5.9704	0.007536537	0.1	0.82	0.023731047	0.356000614	68630.21708
1446.8	1	5.9704	0.003767653	0.1	0.82	0.011863586	0.2135678	68630.43065
1447	1	5.9704	0	0.1	0.82	0	0.071181516	68630.50183

G-2 Infiltration Study

ALBUS-KEEFE & ASSOCIATES, INC
GEOTECHNICAL CONSULTANTS

March 22, 2019
J.N.: 2798.00

Mr. Ken Lee
Pacific Plaza Premier Development Group
9661 E Las Tunas Dr, Suite A
Temple City, CA 91780

Subject: **Infiltration Study for Storm Water Quality, Proposed Mixed-Use Development, 700 and 800 San Gabriel Boulevard, San Gabriel, CA, 91776.**

Dear Mr. Lee,

Pursuant to your request, ***Albus-Keefe & Associates, Inc***. has completed a geotechnical investigation of the site for evaluation of the percolation characteristics of the site soils. The scope of this investigation consisted of the following:

- Exploratory drilling, soil sampling, and percolation test well installation
- Field percolation testing
- Laboratory testing of selected soil samples
- Engineering analysis of the data
- Preparation of this report

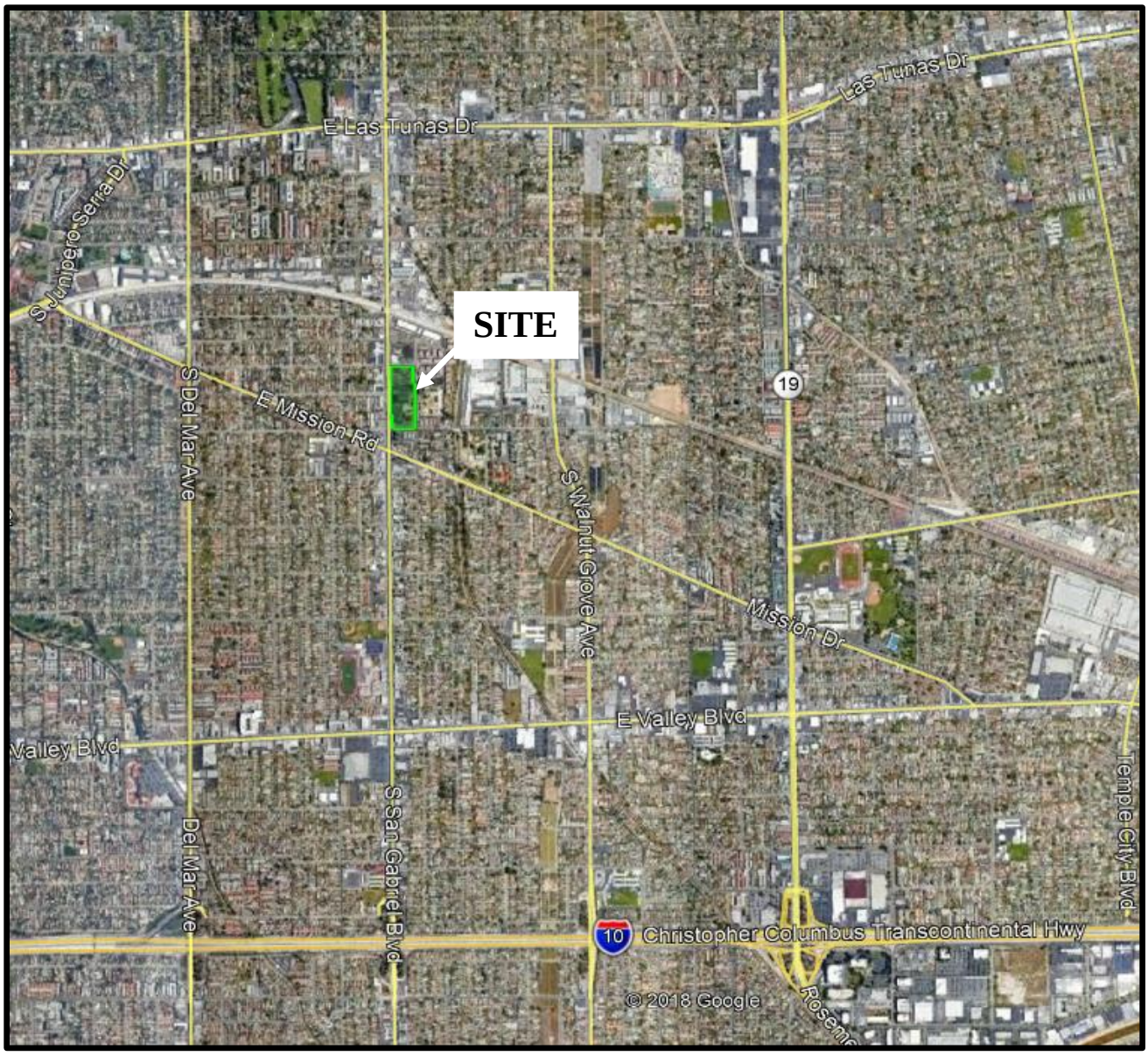
SITE DESCRIPTION AND PROPOSED DEVELOPMENT

Site Location and Description

The site is located at 700 and 800 San Gabriel Boulevard within the city of San Gabriel, California. The property is bordered by the East El Monte Street to the north, South San Gabriel Boulevard to the west, East Grand Avenue to the south, and South Gladys Avenue to the east. The location of the site and its relationship to the surrounding areas is shown on Figure 1, Site Location Map.

The site consists of a rectangular shaped property containing approximately 5.9 acres of land and is currently an undeveloped lot. Improvements associated with the site include traces of gravel roads from previous site use and irrigation lines present within the south-eastern portion of the site. The eastern, western, and southern perimeter of the property is bounded by chain-link fencing. The northern portion of the site perimeter is bounded by a chain-link fence on top of a masonry retaining wall.

Topographically the site is relatively flat with elevations ranging from approximately 380 feet above Mean Seal Level (MSL) to approximate 373 feet above MSL descending to the southwest (based on Google Earth). Drainage is generally directed to the east and south and onto South Gladys and East Grand Avenue. Vegetation within the site consists of small shrubs and grass throughout the site. Also, mature palm trees are located within the south eastern portion of the site.



© 2019 Google Earth

N

SITE LOCATION MAP

Pacific Plaza Premier Development Group
Proposed Mixed-Use Development
700 and 800 San Gabriel Boulevard
San Gabriel, California

NOT TO SCALE

FIGURE 1

Proposed Development

Based on the architectural site plans by Media Portfolio, the proposed development for the site will consist of two mixed use buildings with a total of 243 residential units and approximately 1,315,150 ft^2 of commercial space. Development would consist of two main buildings with one basement level for parking, one 20-foot-high ground level of retail and parking (2 levels), and four levels of residential over the retail and parking space. We anticipate the residential levels will be wood-framed and supported by a post-tension concrete podium deck. The parking and retail space are anticipated to utilize light-gauge steel framing and post-tension concrete decks.

Improvements will also consist of interior driveways and parking areas, underground utilities, and landscaping. Structural or grading plans regarding the proposed residential development were not provided to us at the time of this report.

SUMMARY OF FIELD AND LABORATORY WORK

Subsurface Investigation

Subsurface exploration for this investigation was conducted at the site on February 20, 2019 and February 21, 2019, and consisted of drilling eight (8) exploratory borings. The borings were drilled to maximum depths of approximately 51.5 feet below the existing ground surface utilizing a truck-mounted, hollow-stem-auger drill rig. A representative of *Albus-Keefe & Associates, Inc*. logged the exploratory excavations. Visual and tactile identifications were made of the materials encountered, and their descriptions are presented on the Exploration Logs in Appendix A. The approximate locations of the exploratory excavations completed by this firm are shown on the enclosed Geotechnical Map, Plate 1.

Bulk, relatively undisturbed and Standard Penetration Test (SPT) samples were obtained at selected depths within the exploratory boring for subsequent laboratory testing. Relatively undisturbed samples were obtained using a 3-inch O.D., 2.5-inch I.D., California split-spoon soil sampler lined with brass rings. SPT samples were obtained from the boring using a standard, unlined SPT soil sampler. During each sampling interval, the sampler was driven 18 inches with successive drops of a 140-pound automatic hammer falling 30 inches. The number of blows required to advance the sampler was recorded for each six inches of advancement. The total blow count for the lower 12 inches of advancement per soil sample is recorded on the exploration log. Samples were placed in sealed containers or plastic bags and transported to our laboratory for analyses. The borings were backfilled with auger cuttings upon completion of sampling.

Percolation Testing

Percolation testing was performed on March 8, 2019, in general conformance with the constant-head test procedures outlined in the referenced Well Permeameter Method (USBR 7300-89). A water hose attached to a water source on site was connected to an inline flow meter to measure the water flow. The flow meter is capable of measuring flow rates up to 13 gallons per minute and as low as 0.06 gallons per minute. A valve was connected in line with the flow meter to control the flow rate. A filling hose was used to connect the flow meter and the test wells. Water was introduced by the filling hose near the bottom of the test well. A water level meter with 1/100-foot divisions was used

to measure the depths to the water surface from the top of well casing. Flow to the well was terminated upon either completion of testing of all the pre-determined water levels or the flow rate exceeded the maximum capacity of the flow meter. Measurements obtained during the percolation testing are provided on Plates C-1 and C-2 (Appendix C). The casings were removed and the wells backfilled after the completion of testing.

Laboratory Testing

Selected samples of representative earth materials from our borings were tested in the laboratory. Tests consisted of USCS classification, in-situ moisture content and dry density, and sieve analysis. Descriptions of laboratory testing and the test results are presented in Appendix B and on the Exploration Logs in Appendix A.

ANALYSIS OF DATA

Subsurface Conditions

Descriptions of the earth materials encountered during our investigations are summarized below and are presented in detail on the Exploration Logs presented in Appendix A.

Soil materials encountered at the site consist of alluvial deposits overlain by undocumented artificial fills associated with the previous site development. Based on our exploratory borings, the artificial fill materials typically measure 2 to 6 feet below existing grades. Thicker portions of the artificial fill were generally observed within the central and east half of the site. However, artificial fills of greater thickness may be present within portions of the site. The artificial fill materials are generally comprised of brown silty sand and sandy silt. These materials are typically damp to very moist and loose to medium dense.

The alluvial deposits were encountered below the artificial fill materials to the maximum depth of exploration, 51.5 feet below the ground surface (bgs). The alluvial deposits are comprised of predominantly coarse-grained soils with occasional fine-grained layers typically encountered at depths of 20 to 30 feet below the ground surface. The fine-grained layers varied in thickness and were generally not consistent throughout the site. The coarse-grained soils typically consist of brown sand with varying amounts of silt. These deposits are typically damp to very moist, and loose to medium dense but become dense to very dense at a depth of about 10 feet beneath the ground surface. The fine-grained soils typically consist of light brown and reddish-brown sandy silt, silty clay, and clayey silt. These deposits are typically damp to wet, and stiff to hard.

Groundwater

Groundwater was not encountered during this firm's subsurface exploration to the maximum depth explored, 51.5 feet below the existing ground surface. The only exception is encountering a perched groundwater condition in boring B-5 at 28 feet below the existing ground surface. A review of the CGS Seismic Hazard Zone Report 024 indicates that historical high groundwater levels for the general site area have been mapped as deep as 50 to 100 feet below the existing ground surface.

Percolation Data

Analyses were performed to evaluate permeability using the flow rate obtained at the end of the constant-head stage of field percolation testing. These analyses were performed in accordance with the procedures provided in the referenced USBR 7300-89. The procedure essentially uses a closed-form solution to the percolation out of a small-diameter well.

Using the USBR method, we calculated a composite permeability value for the head condition maintained in the well. The result is summarized in Table 1 below and the supporting analyses are included in Appendix C, Plates C-3 and C-4.

TABLE 1
Summary of Back-Calculated Permeability Coefficient from Constant Head Test

Location	Total Depth of Well (ft)	Depth to Water in Well (ft)	Height of Water in Well (ft)	Static Flow Rate (gal/min)	Estimated Permeability, k_s (in/hr)
P-1	14.5	9.5	5.0	0.10	0.15
P-2	39.0	34.0	5.0	1.00	1.47

Design of Dry Well

Infiltration in a dry well was modeled using the software Seep/W, version 2007, by Geo-Slope International. The program allows for modeling of both partially-saturated and saturated porous medium using a finite element approach to solve Darcy's Law. The program can evaluate both steady-state and transient flow in planer and axisymmetric cases. Regions within the model can be set to represent a finite area or to extend in a direction infinitely. Boundaries of the model can be identified with various conditions including fix total head, fix pressure head, fix flow rate, and head as a function of flow. Soil conductivity properties can be modeled with either Fredlund et al. (1994), Green and Corey (1971), Van Genuchten (1980), or Saxton et al. (1986). The parameters suggested by Saxton et al. (1986) were selected for use in our model and were based on test results of particle-size analyses and estimated in-place densities.

A Seep/W model was setup for a well configuration with the bottom of the dry well at a depth of 45 below ground surface. The top 18 feet of the dry well assumed a shaft that is 6 feet in diameter and contains a settling chamber having an inside diameter of 4 feet and outside diameter of 4.5 feet. Below 18 feet, the shaft is assumed to be 4 feet in diameter. The annular space around the chamber and below the chamber is assumed to consist of gravel. A more detailed configuration of the dry well design can be found on Plate 2.

The model consisted of three (3) material types within three (3) zones that represent the general soil profile. The upper zone (Material # 1) represents the upper 5 feet where infiltration will not be allowed. The saturated conductivity of this layer is represented by a set of input parameters to be nearly impermeable. The second (Material # 2) represents the granular zone with varying amounts of silt that was typically encountered between approximate depths of 5 to 35 feet. A saturated

conductivity of 0.15 in/hr was utilized for this layer and was based on the percolation and laboratory testing. The bottom layer (Material # 3) represents the sand with silt layer encountered at the depth of 35 feet. A saturated conductivity of 1.5 in/hr was utilized for this layer and was based on the percolation and laboratory testing. A summary of the well model parameters is provided in Table 2.

TABLE 2
Summary of Characteristic Curve Parameters

Zone No.	Material No.	USCS Classification	Depth (ft)	Ks (in/hr)	Van Genuchten Parameters				
					a (1/cm)	n	m	Sat. Water Content	Residual Water Content
1	1	Imperm.	0 – 5	0.001	0.010	1.21	0.18	0.40	0.0100
2	2	SM/SP-SM	5 – 35	0.150	0.073	1.17	0.14	0.42	0.0100
3	3	SP-SM	>35	1.500	0.064	1.32	0.24	0.36	0.0125

A steady state analysis was performed to estimate the maximum inflow that the well can accommodate. Using a well with a depth of 45 feet, we obtain a static total flow of 0.06 ft³/sec. A plot depicting the resulting pressure head contours and flow vectors for the model is provided on Plate C-5.

To evaluate the time required to empty the well once no more water is introduced, the model was reanalyzed with a variable head condition that was dependent upon the volume of water leaving the well. As water infiltrates into the surrounding soil, both the volume of water remaining in the well and the total head in the well drop. A graph of the well head versus exit volume for the well is provided in Figure 2. The function assumes a void ratio of 0.4 within the zones occupied by gravel. If some other well configuration is used, the analyses will require updating.

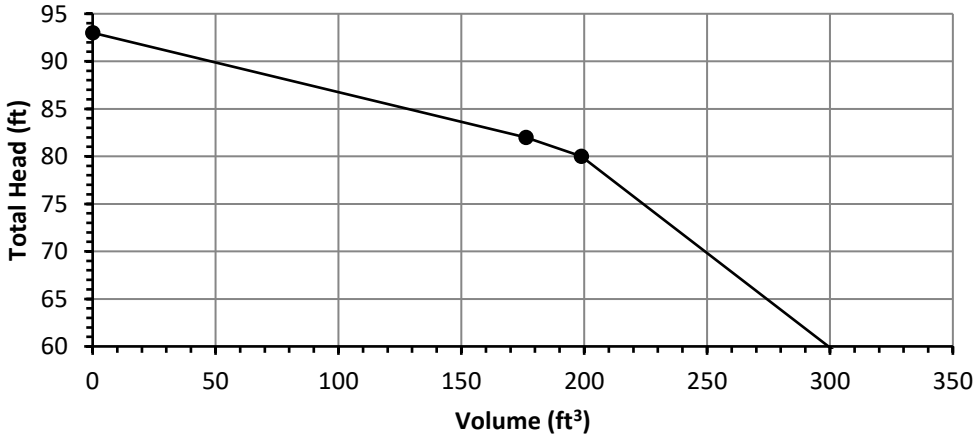


Figure 2 45-foot-deep, 4-foot-diameter Well Head Function

The analysis was performed as a transient case over a total time of approximately 12 hours. The conditions in the model were evaluated in various increments of time over the total duration. From our analyses, the water is completely evacuated from the settling chamber in approximately 2.25 hours. A plot depicting the resulting pressure head contours and flow vectors at selected times are provided in Appendix C, Plates C-6 through C-9. A plot of time versus water height in the well is shown on Figure 3.

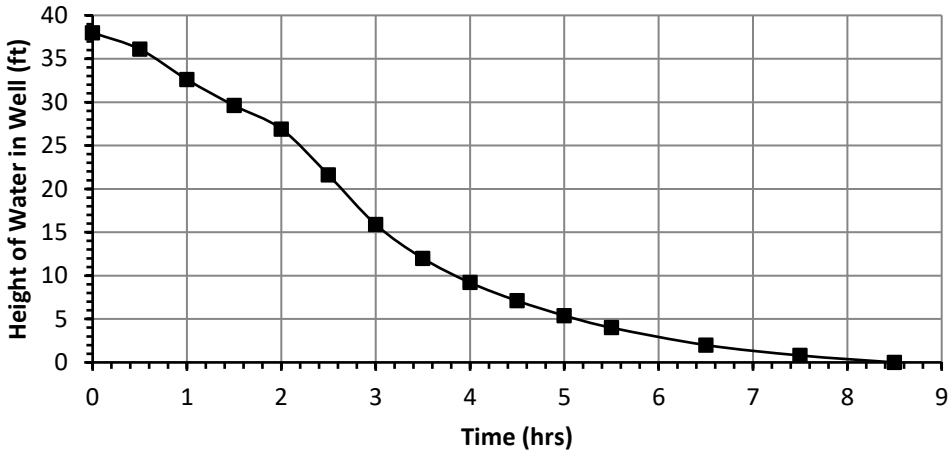


Figure 3 Height of water in 45-foot-deep, 4-foot-diameter Dry Well

CONCLUSIONS AND RECOMMENDATIONS

Results of our work indicate a storm water disposal system consisting of dry wells is feasible at the site. The use of dry wells is not anticipated to result in worsening any adverse conditions or hazards that may be present for the proposed site development or adjacent properties including subsidence, landsliding, or liquefaction.

Based on the results of percolation testing and analyses, the percolation rate for the well configuration as depicted on Plate 2 may utilize an unfactored (measured) peak flow rate of 0.06 ft^3/sec. An appropriate factor of safety should be applied to the flow rate as required by the appropriate governmental authority. Based on this peak flow and the modeled drywell configuration, the maximum average infiltration rate around the wetted perimeter of the well is the flow divided by the area which equals 4.6 in./hr.

Once water flow to the well has ceased, the well is estimated to require approximately 2.25 hours to empty the chamber. As such, the time to empty for the dry well should be considered in the overall draw down time of the storm system.

Should you require multiple dry wells across the site, the wells should be spaced at least 50 feet, center to center, to avoid cross influence. The wells should be located at least 20 feet horizontally from any habitable structure or property line.

The actual flow capacity of the dry well could be less or more than the estimated value. As such, provisions should be made to accommodate excess flow quantities in the event the dry well does not infiltrate the anticipated amount. The design also assumes that sediments will be removed from the inflowing water through an upper chamber or other device. Sediments that are allowed to enter the dry well will tend to degrade the flow capacity by plugging up the infiltration surfaces.

In general, the dry well may consist of a concrete inner chamber surrounded by ½-inch open graded gravel. The concrete chamber should have perforations to allow the well to drain. The holes should be sized to prevent piping of the gravel into the chamber. A general diagram of the dry well is provided on Plate 2.

In general, the dry well shaft is anticipated to be adequately stable under temporary construction conditions for uncased drilling. However, occasional layers or lenses of granular materials are likely to occur and may be prone to sloughing and caving. In the event of caving, casing will be required to install the well. Workers should not enter the shaft unless the excavation is laid back or shored in accordance with OSHA requirements. The placement and compaction of backfill materials, including the gravel and slurry, should be observed by the project geotechnical consultant.

LIMITATIONS

This report is based on the geotechnical data as described herein. The materials encountered in our boring excavations and utilized in our laboratory testing for this investigation are believed representative of the study area, and the conclusions and recommendations contained in this report are presented on that basis. However, soil and bedrock materials can vary in characteristics between points of exploration, both laterally and vertically, and those variations could affect the conclusions and recommendations contained herein. As such, observations by a geotechnical consultant during the construction phase of the storm water infiltration systems are essential to confirming the basis of this report.

This report has been prepared consistent with that level of care being provided by other professionals providing similar services at the same locale and time period. The contents of this report are professional opinions and as such, are not to be considered a guaranty or warranty.

This report should be reviewed and updated after a period of one year or if the site ownership or project concept changes from that described herein. This report has been prepared for the exclusive use of the **Pacific Plaza Premier Development Group** to assist the project consultants in the design of the proposed development. This report has not been prepared for use by parties or projects other than those named or described herein. This report may not contain sufficient information for other parties or other purposes.

This report is subject to review by the controlling governmental agency.

We appreciate this opportunity to be of service to you. If you should have any questions regarding the contents of this report, please do not hesitate to call.

Sincerely,

ALBUS-KEEFE & ASSOCIATES, INC.

Mark Principe
Staff Engineer

Paul Kim
Associate Engineer
P.E. 77214



Enclosures: Plate 1- Geotechnical Map
Plate 2- Dry Well Design
Appendix A - Exploratory Logs
Appendix B - Laboratory Testing
Appendix C - Percolation Testing and Analyses

REFERENCES

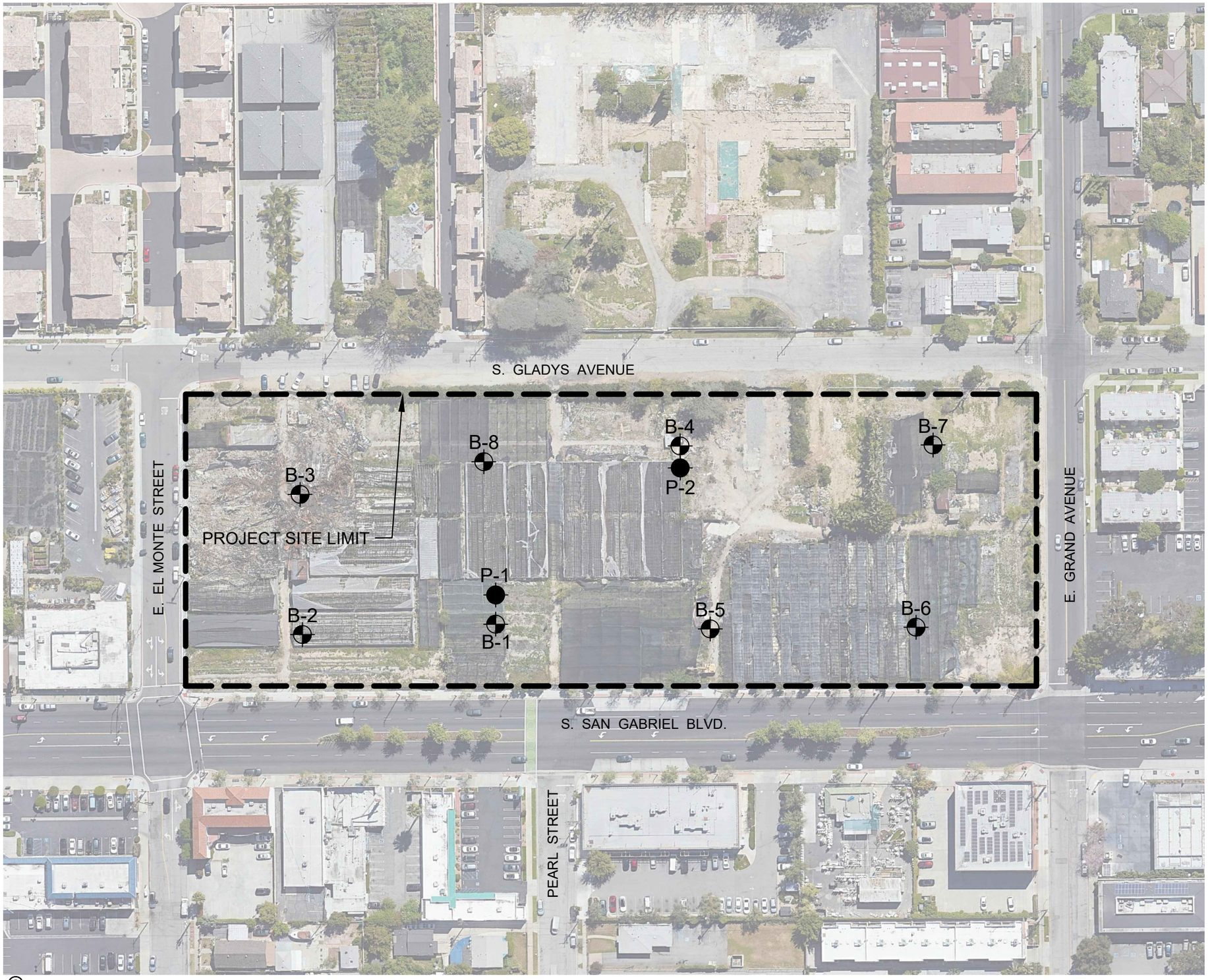
Publications and Reports

California Department of Conservation, Division of Mines and Geology, Seismic Hazard Report 027, "Seismic Hazard Zone Report for the Inglewood 7.5-Minute Quadrangle, Los Angeles County, California", 1998.

Dewatering and Groundwater Control, by the Departments of The Army, The Navy, and The Air Force, TM 5-818-5/AFM 88-5, Chap 6/NAVFAC P-418, November 1983.

Procedure for Performing Field Permeability Testing by the Well Permeameter Method, by United States Department of The Interior, Bureau of Reclamation (USBR 7300-89).

Saxton, K.E., W.J. Rawls, J.S. Romberger, and R.I. Papendick. 1986. Estimating generalized soil-water characteristics from texture. Soil Sci. Soc. Am. J. 50(4):1031-103



© Google 2019

0 40 80 160

APPROX SCALE : 1" = 80'

EXPLANATION

(Locations Approximate)

- Exploratory Boring
- Exploratory Percolation Well

ALBUS-KEEFE & ASSOCIATES, INC.
GEOTECHNICAL CONSULTANTS

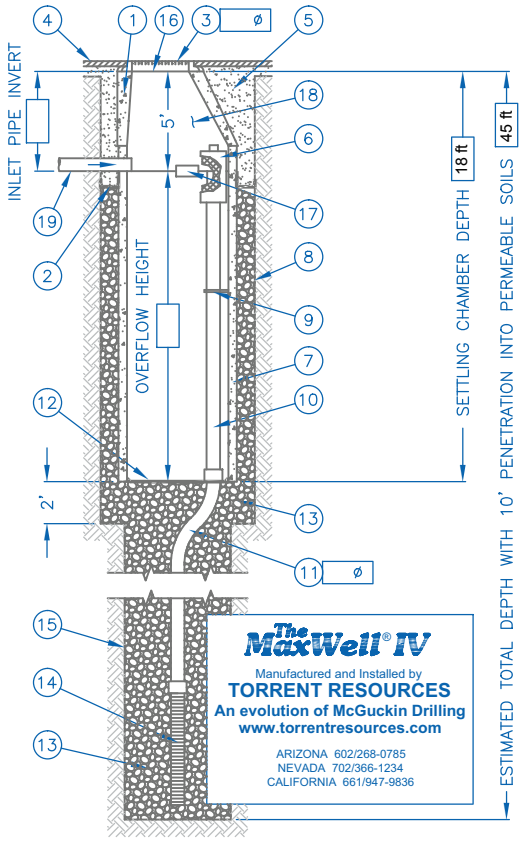
GEOTECHNICAL MAP

Job No.: 2798.00	Date: 03/20/19	Plate: 1

MAXWELL® IV DRAINAGE SYSTEM DETAIL AND SPECIFICATIONS

ITEM NUMBERS

1. **Manhole Cone** - Modified Flat Bottom.
2. **Moisture Membrane** - 6 Mil. Plastic. Applies only when native material is used for backfill. Place membrane securely against eccentric cone and hole sidewall.
3. **Bolted Ring & Grate** - Diameter as shown. Clean cast iron with wording **"Storm Water Only"** in raised letters. **Bolted in 2 locations** and secured to cone with mortar. Rim elevation ±0.02' of plans.
4. **Graded Basin or Paving** (by Others).
5. **Compacted Base Material** - 1-Sack Slurry except in landscaped installtions with no pipe connections.
6. **PureFlo® Debris Shield** - Rolled 16 ga. steel X 24" length with vented anti-siphon and Internal .265" Max. SWO flattened expanded steel screen X 12" length. **Fusion bonded epoxy coated.**
7. **Pre-cast Liner** - 4000 PSI concrete 48" ID. X 54" OD. **Center in hole** and align sections **to maximize bearing surface.**
8. **Min. 6' Ø Drilled Shaft.**
9. **Support Bracket** - Formed 12 Ga. steel. **Fusion bonded epoxy coated.**
10. **Overflow Pipe** - Sch. 40 PVC mated to drainage pipe at base seal.
11. **Drainage Pipe** - ADS highway grade with TRI-A coupler. **Suspend pipe** during backfill operations to prevent buckling or breakage. Diameter as noted.
12. **Base Seal** - Geotextile or concrete slurry.
13. **Rock** - Washed, sized between 3/8" and 1-1/2" to **best complement soil conditions.**
14. **FloFast® Drainage Screen** - Sch. 40 PVC 0.120" slotted well screen with 32 slots per row/ft.Diameter varies 120" overall length with TRI-B coupler.
15. **Min. 4' Ø Shaft** - Drilled to **maintain permeability** of drainage soils.
16. **Fabric Seal** - U.V. resistant geotextile - **to be removed by customer** at project completion.
17. **Absorbent** – Hydrophobic Petrochemical Sponge. Min. to 128 oz. capacity.
18. **Freeboard Depth** Varies with inlet pipe elevation. Increase settling chamber depth as needed to maintain all inlet pipe elevations above overflow pipe inlet.
19. **Optional Inlet Pipe** (Maximum 4", by Others). Extend moisture membrane and compacted base material or 1 sack slurry backfill below pipe invert.



AZ Lic. ROC070465 A, ROC047067 B-4, ADWR 363
CA Lic. 528080, C-42, HAZ.
NV Lic. 0035350 A - NM Lic. 90504 GF04

U.S. Patent No. 4,923,330 - ™ Trademark 1974, 1990, 2004

The referenced drawing and specifications are available on CAD either through our office or web site. This detail is copyrighted (2004) but may be used as is in construction plans without further release. For information on product application, individual project specifications or site evaluation, contact our Design Staff for no-charge assistance in any phase of your planning.

CALCULATING MAXWELL IV REQUIREMENTS

The type of property, soil permeability, rainfall intensity and local drainage ordinances determine the number and design of MaxWell Systems. For general applications draining retained stormwater, use one standard **MaxWell IV** per the instructions below for up to 3 acres of landscaped contributory area, and up to 1 acre of paved surface. For larger paved surfaces, subdivision drainage, nuisance water drainage, connecting pipes larger than 4" Ø from catch basins or underground storage, or other demanding applications, refer to our **MaxWell® Plus** System. For industrial drainage, including gasoline service stations, our **Envibro® System** may be recommended. For additional considerations, please refer to **"Design Suggestions For Retention And Drainage Systems"** or consult our Design Staff.

COMPLETING THE MAXWELL IV DRAWING

To apply the **MaxWell IV** drawing to your specific project, simply fill in the blue boxes per instructions below. For assistance, please consult our Design Staff.

45 feet ESTIMATED TOTAL DEPTH

The Estimated Total Depth is the approximate depth required to achieve 10 continuous feet of penetration into permeable soils. Torrent utilizes specialized **"crowd"** equipped drill rigs to penetrate difficult, cemented soils and to reach permeable materials at depths up to **180 feet.** Our extensive database of drilling logs and soils information is available for use as a reference. Please contact our Design Staff for site-specific information on your project.

18 feet SETTLING CHAMBER DEPTH

On MaxWell IV Systems of over 30 feet overall depth and up to 0.25cfs design rate, the **standard** Settling Chamber Depth is **18 feet .** For systems exposed to greater contributory area than noted above, extreme service conditions, or that require higher design rates, chamber depths up to 25 feet are recommended.

' OVERFLOW HEIGHT

The Overflow Height and Settling Chamber Depth determine the effectiveness of the settling process. The higher the overflow pipe, the deeper the chamber, the greater the settling capacity. For normal drainage applications, an overflow height of **13 feet** is used with the standard settling chamber depth of **18 feet**. Sites with higher design rates than noted above, heavy debris loading or unusual service conditions require greater settling capacities

"Ø DRAINAGE PIPE

This dimension also applies to the **PureFlo®** Debris Shield, the **FloFast®** Drainage Screen, and fittings. The size selected is based upon system design rates, soil conditions, and the need for adequate venting. Choices are 6", 8", or 12" diameter. Refer to "Design Suggestions for Retention and Drainage Systems" for recommendations on which size best matches your application.

"Ø BOLTED RING & GRATE

Standard models are quality cast iron and available to fit 24" Ø or 30" Ø manhole openings. All units are bolted in two locations with wording "Storm Water Only" in raised letters. For other surface treatments, please refer to "Design Suggestions for Retention and Drainage Systems."

"Ø INLET PIPE INVERT

Pipes up to 4" in diameter from catch basins, underground storage, etc. may be connected into the settling chamber. Inverts deeper than 5 feet will require additional settling chamber depth to maintain effective overflow height.

TORRENT RESOURCES INCORPORATED
1509 East Elwood Street, Phoenix Arizona 85040~1391
phone 602~268~0785 fax 602~268~0820
Nevada 702~366~1234
AZ Lic. ROC070465 A, ROC047067 B-4; ADWR 363
CA Lic. 528080 A, C-42, HAZ ~ NV Lic. 0035350 A ~ NM Lic. 90504 GF04

TORRENT RESOURCES (CA) INCORPORATED
phone 661~947~9836
CA Lic. 886759 A, C-42
www.TorrentResources.com
An evolution of McGuckin Drilling

The watermark for drainage solutions.®

PLATE 2

TORRENT® RESOURCES

APPENDIX A

EXPLORATORY LOGS

EXPLORATION LOG

Project:		Location:
Address:		Elevation:
Job Number:	Client:	Date:
Drill Method:	Driving Weight:	Logged By:

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
5		**EXPLANATION** Solid lines separate geologic units and/or material types. Dashed lines indicate unknown depth of geologic unit change or material type change. **Solid black rectangle** in Core column represents California Split Spoon sampler (2.5in ID, 3in OD). **Double triangle** in core column represents SPT sampler. **Vertical Lines** in core column represents Shelby sampler. **Solid black rectangle** in Bulk column respresents large bag sample. **Other Laboratory Tests:** Max = Maximum Dry Density/Optimum Moisture Content EI = Expansion Index SO4 = Soluble Sulfate Content DSR = Direct Shear, Remolded DS = Direct Shear, Undisturbed SA = Sieve Analysis (1" through #200 sieve) Hydro = Particle Size Analysis (SA with Hydrometer) 200 = Percent Passing #200 Sieve Consol = Consolidation SE = Sand Equivalent Rval = R-Value ATT = Atterberg Limits							
10									
15									
20									

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-1
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 376.5
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, very moist, loose, fine and coarse grained sand, trace pores		11		■	17.8	110.5	
		@ 4 ft, trace clay		14		■	15.5	110	
5		**ALLUVIUM (Qal)** Silty Sand (SM): Light brown, very moist, medium dense, medium to coarse grained sand		17		■	6.8	100.6	
		Sand with Silt (SP-SM): Light brown, moist, medium dense, medium to coarse grained sand, trace mica							
10		Silty Sand (SM): Brown, very moist, very loose, fine grained sand, trace coarse gravel, with clay, sandy silt layers		4		■	22.8	94.6	Consol
15		@ 15 ft, loose		4	⧗				SA Hydro
20		@ 20 ft, light brown, medium dense, clayey silt nodules, no coarse sand, decreased fines		15	⧗				

Albus-Keefe & Associates, Inc.

Plate A-2

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-1
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 376.5
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		@ 25 ft, light reddish brown, some clay, increased fines		15					
30		@ 30 ft, dense, trace coarse grained sand, decreased fines		18					
		Sand with Silt (SP-SM): Reddish brown, damp, dense, fine to medium grained sand							
35				19					
40		@ 40 ft, light brown, medium dense, fine grained sand		16					
45		@ 45 ft, dense, silt nodules		23					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-1
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 376.5
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples			Laboratory Tests		
				Blows Per Foot	Core	Bulk	Moisture Content (%)	Dry Density (pcf)	Other Lab Tests
		@ 50 ft, medium brown, increased fines		18					
		End of boring at 51.5 feet. No groundwater encountered. Percolation test well (P-1) installed 10 feet away from boring. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-2
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 378.7
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, moist, fine to coarse grained sand, some clay							
		ALLUVIUM (Qal) Silty Sand (SM): Brown, moist, loose, fine and coarse grained sand, some clay		6			12.9	110.5	
5		@ 4 ft, reddish brown, fine to coarse gravel		8			8.5	117.2	
		@ 6 ft, bedrock fragments		12					
		@ 7 ft, brown, fine to medium grained sand, trace clay, no gravel					10.6	118.2	DS
10		@ 10 ft, light brown, fine to coarse gravel, possible cobbles, decreased fines		14			5.2	107.2	SO4 pH Ch
15		@ 15 ft, dense, no gravel		26					
		Clay (CL): Reddish brown, damp, very stiff, trace fine grained sand, with silt							
20				15					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-2
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 378.7
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
				11					
		Sandy Silt (ML): Light brown, damp, very stiff, fine grained sand							
30				12					
		Silty Sand (SM): Light brown, damp, dense, fine grained sand							
35				19					
40		@ 40 ft, damp, very dense, fine to coarse gravel, fine to coarse grained sand		53					
		End of boring at 41.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-3
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Medium brown, moist, loose, fine grained sand		9	■		13.7	100.6	
				11	■		9.8	111.6	
5		@ 5.5 ft, increased medium grained sand							
		ALLUVIUM (Qal) Sand with Silt (SP-SM): Light brown, damp, medium dense, medium to coarse grained sand, trace fine gravel, trace silt		21	■		3.5	105.5	
		Silty Sand / Sandy Silt (SM/ML): Medium brown, moist, medium dense / stiff, fine grained sand, trace medium grained sand							
10				7	■		12.6	94.8	Consol
15		@ 15 ft, medium reddish brown, trace course grained sand		7	⧗				
		Silty Sand/ Sand with Silt (SM/ SP-SM): Light gray brown, damp, dense, fine to coarse grained sand, little fine to coarse gravel							
20				30	⧗				
		Clay (CL): Reddish brown, moist, hard, trace fine grained sand, with silt							
		Sandy Silt (ML): Reddish brown, moist, hard, fine to coarse grained sand, trace clay							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-3
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
				26					
30				13					
		Silty Sand/Sandy Silt (SM/ML): Reddish yellow, moist, medium dense/stiff, fine grained sand							
		Silty Sand (SM): Reddish brown, moist, dense, fine grained sand							
35				22					
40		@ 40 ft, medium dense		17					
45		@ 45 ft, dense		18					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-3
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples			Laboratory Tests		
				Blows Per Foot	Core	Bulk	Moisture Content (%)	Dry Density (pcf)	Other Lab Tests
		@ 50 ft, trace fine gravel		23					
		End of boring at 51.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-4
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 375.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, moist, medium dense, fine to medium grained sand, trace pores		20	■		6.7	107.4	
		ALLUVIUM (Qal)		22	■		1.7		
5		Sand (SP): Light grayish brown, damp, medium dense, fine to coarse grained sand, few fine to coarse gravel		28	■		4.6	104.9	DS
10				18	■				SO4 pH Ch
		Silty Sand (SM): Medium reddish brown, moist, fine to medium grained sand, trace fine gravel							
15				9	⧗				
20		@ 20 ft, light reddish brown, damp, dense, fine to medium grained sand, decreased fines, some fine gravel		28	⧗				

Albus-Keefe & Associates, Inc.

Plate A-10

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-4
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 375.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		@ 25 ft, reddish brown, moist, fine grained sand, increased fines, no gravel, some clay		21					
30		@ 30 ft, damp, very dense, fine grained sand, decreased fines, trace medium grained sand		32					
		Sand (SP-SM): Reddish brown, damp, dense, fine to medium grained sand, with silt							
35				19					
40		@ 40 ft, very dense		34					SA Hydro
45		@ 45 ft, medium to coarse grained sand, decreased fines, trace fine gravel		62					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-4
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 375.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples			Laboratory Tests		
				Blows Per Foot	Core	Bulk	Moisture Content (%)	Dry Density (pcf)	Other Lab Tests
		@ 50 ft, light grayish brown		38					
		End of boring at 51.5 feet. No groundwater encountered. Backfilled with soil cuttings. Percolation test well (P-2) installed 10 feet away from boring.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-5
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 374.3
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand/ Sandy Silt (SM/ML): Light brown, damp, loose, fine grained sand, trace pores		11	■		8.6	97	
5		Silty Sand (SM): Light brown, damp, medium dense, fine grained sand, trace pores		20	■		4.5	106.6	
		ALLUVIUM (Qal) Sand (SP): Light gray brown, damp, medium dense, fine to medium grained sand, trace fine gravel, friable		16	■		1.7		
10		@ 10 ft, loose, increased medium grained sand		12	■		7.2	105.8	Consol
15		@ 15 ft, dense		26	⧗				
20				30	⧗				

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-5
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 374.3
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/20/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		@ 25 ft, increased fines		31					
		Sandy Silt (ML): Reddish brown, wet, hard, fine to medium grained sand							
30				26					
		Silt Sand (SM): Reddish brown, damp, dense, fine grained sand, trace medium grained sand							
35				23					
		Sand with Silt (SP-SM): Light reddish brown, very dense, fine to coarse grained sand, trace fine gravel							
40				41					
		End of boring at 41.5 feet. Perched groundwater observed at 28 feet. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-6
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 372.9
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, very moist, medium dense, fine grained sand, few medium grained sand, trace clay							
		ALLUVIUM (Qal)		16			9.9	127.4	
		Sand (SP): Light reddish brown, damp, medium dense, fine to coarse grained sand, trace fine gravel		26			5.8	101.7	
5				29			7.7	102.8	
		Silty Sand (SM): Brown, moist, medium dense, fine to medium grained sand, trace fine gravel							
10				18			14.3	109	Consol
		Sand with Silt (SP-SM): Light reddish brown, dense, fine to coarse grained sand, trace fine gravel							
15				23					
		Silty Sand (SM): Light reddish brown, damp, medium dense, fine grained sand, trace medium grained sand, trace fine gravel							
20				19					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-6
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 372.9
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		Sandy Silt (ML): Reddish brown, damp, dense, trace fine to course grained sand, iron oxide stain, trace clay		20					
30		Silty Sand (SM): Light reddish brown, damp, dense, fine to medium grained sand, trace clay		27					
35		@ 35 ft, fine grained sand, increased fines		24					
		Sand with Silt (SP-SM): Light brown, damp, very dense, fine to coarse sand, few fine gravel		52					
40									
45		@ 45 ft, increased fine gravel		67					

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-6
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 372.9
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples			Laboratory Tests		
				Blows Per Foot	Core	Bulk	Moisture Content (%)	Dry Density (pcf)	Other Lab Tests
50		@ 50 ft, dense, fine grained sand, trace fine gravel, thin layers of sandy silt, increased fines		21					
		End of boring at depth of 51.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-7
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, very moist, medium dense, fine to medium grained sand, trace clay		15	■		8.4	105.3	
		@ 3 ft, decreased fines, trace fine gravel							
5		**ALLUVIUM (Qal)** Sand with Silt (SP-SM): Brown, damp, medium dense, fine to coarse grained sand, trace fine to coarse gravel		19	■		4.5	107.2	
		@ 6 ft, increased gravel		34	■		2.1		
		Silty Sand (SM): Brown, damp, medium dense, fine grained sand							
10				14	■		9.4	97	Consol
15		@ 15 ft, reddish brown, dense, thin silt layers		31	⧗				
		Sand with Silt (SP-SM): Light brown, damp, dense, fine to coarse grained sand, few fine gravel							
20				23	⧗				
		Sandy Silt (ML): Reddish brown, hard, fine grained sand, with clay							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-7
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 385.1
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
				22					
		Silty Sand (SM): Light brown, dense, fine grained sand							
30				21					
35		@ 35 ft, silty clay nodules		24					
40				20					
		End of the boring at 41.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-8
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 377.7
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
		ARTIFICIAL FILL (Af) Silty Sand (SM): Brown, moist, medium dense, fine to medium grained sand, few clay, trace fine gravel, trace pores		16			11.4	108.1	
5		@ 4 ft, light brown, damp, loose, fine grained sand, possible cobbles		11			6.1	98.9	
		@ 5 ft, brown, moist, fine to medium grained sand							
		ALLUVIUM (Qal) Silty Sand (SM): Light brown, moist, medium dense, fine to medium sand, trace fine gravel		14			3.3	99.7	
10		@ 10 ft, reddish brown, loose, increased fines, no gravel, trace coarse grained sand		10			6.5	96.4	Consol
		Silt (ML): Reddish brown, moist, medium stiff, fine to medium grained sand, trace coarse gravel, with clay							
15				4					
		Silty Sand (SM): Light brown, damp, very dense, fine to coarse grained sand, few coarse gravel							
20				36					
		Sandy Silt (ML): Reddish brown, damp, dense, fine grained sand							

EXPLORATION LOG

Project: Pacific Plaza Premier Development Group - San Gabriel		Location: B-8
Address: 815 S Gladys Ave, San Gabriel, CA 91776		Elevation: 377.7
Job Number: 2798.00	Client: Pacific Plaza Premier Development Grou	Date: 2/21/2019
Drill Method: Hollow-Stem Auger	Driving Weight: 140 lbs / 30 in	Logged By: MP

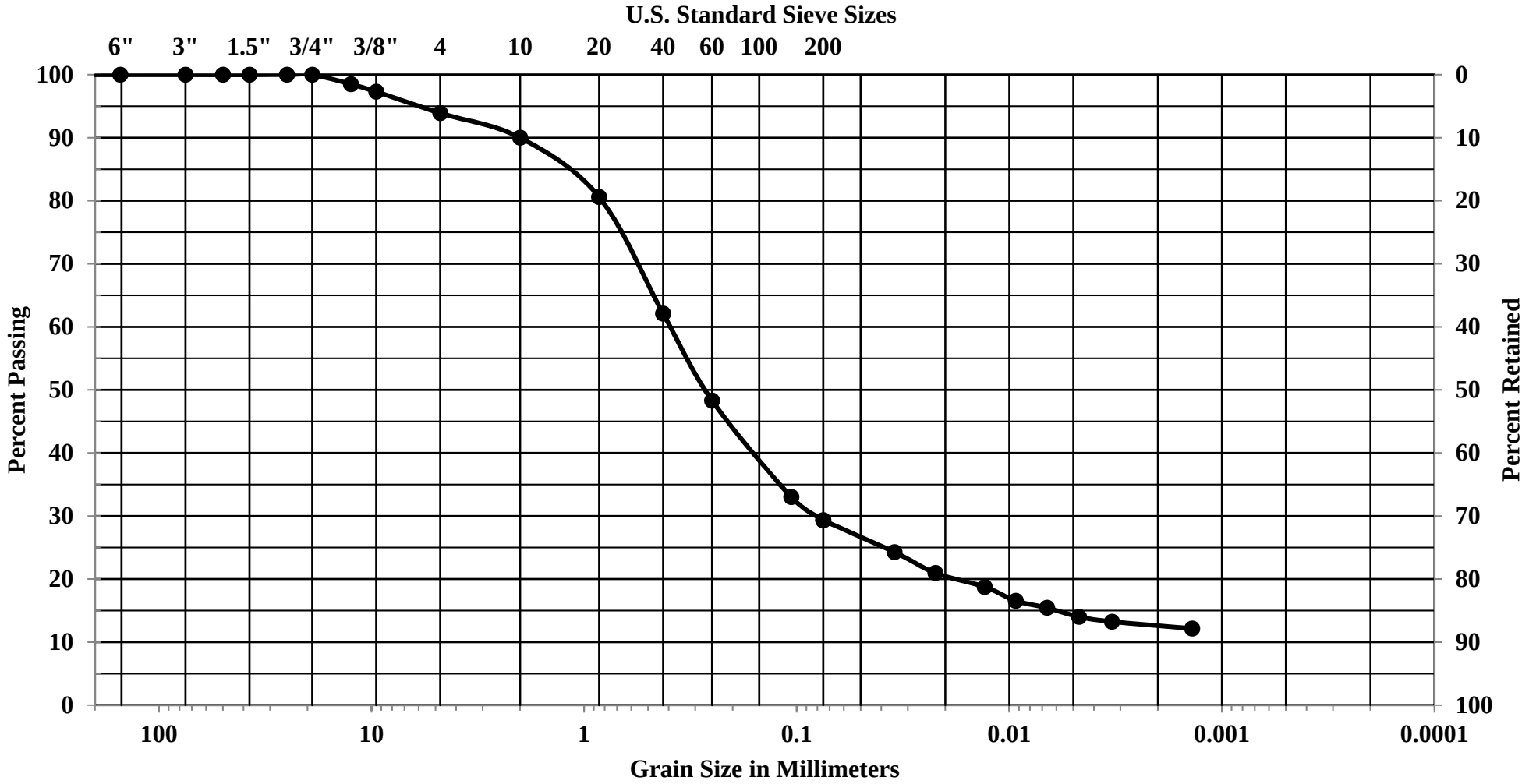
Depth (feet)	Lith-ology	Material Description	Water	Samples: Blows Per Foot	Samples: Core	Samples: Bulk	Laboratory Tests: Moisture Content (%)	Laboratory Tests: Dry Density (pcf)	Laboratory Tests: Other Lab Tests
				21					
		Sand with Silt (SP-SM): Light brown, damp, very dense, fine to medium grained sand, trace coarse grained sand, few coarse gravel, possible cobbles							
30				59					
35		@ 35 ft, no cobbles		53					
40				73/ 11"					
		End of boring at 41.5 feet. No groundwater encountered. Backfilled with soil cuttings.							

APPENDIX B

LABORATORY TESTING

GRAIN SIZE DISTRIBUTION

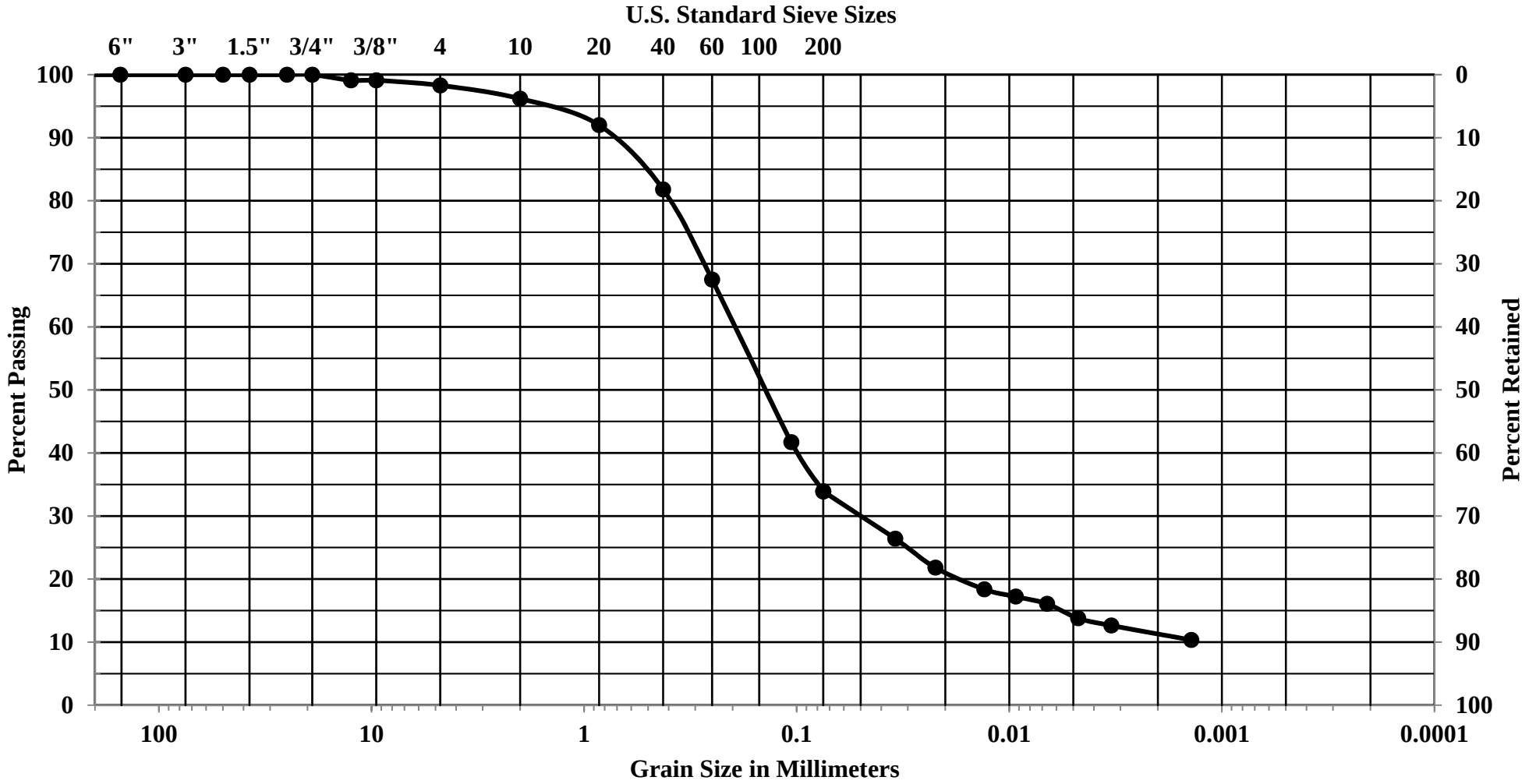
COBBLES	GRAVEL		SAND			SILT AND CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	



Job Number	Location	Depth	Description
2798.00	B-1	15	Silty Sand (SM)

GRAIN SIZE DISTRIBUTION

COBBLES	GRAVEL		SAND			SILT AND CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	



Job Number	Location	Depth	Description
2798.00	B-4	40	Silty Sand (SM)

APPENDIX C

PERCOLATION TESTING AND ANALYSES

Field Percolation Testing - Constant Head

Client: Pacific Plaza

Job. No.: 2798.00

Date Tested: 3/8/2019

Test by: MP

Location: P-1

Top of Casing to Bottom of Well (ft): 14.5

Elev. of Ground Surface (ft): 376.5

Diam. of Test Hole (in): 8

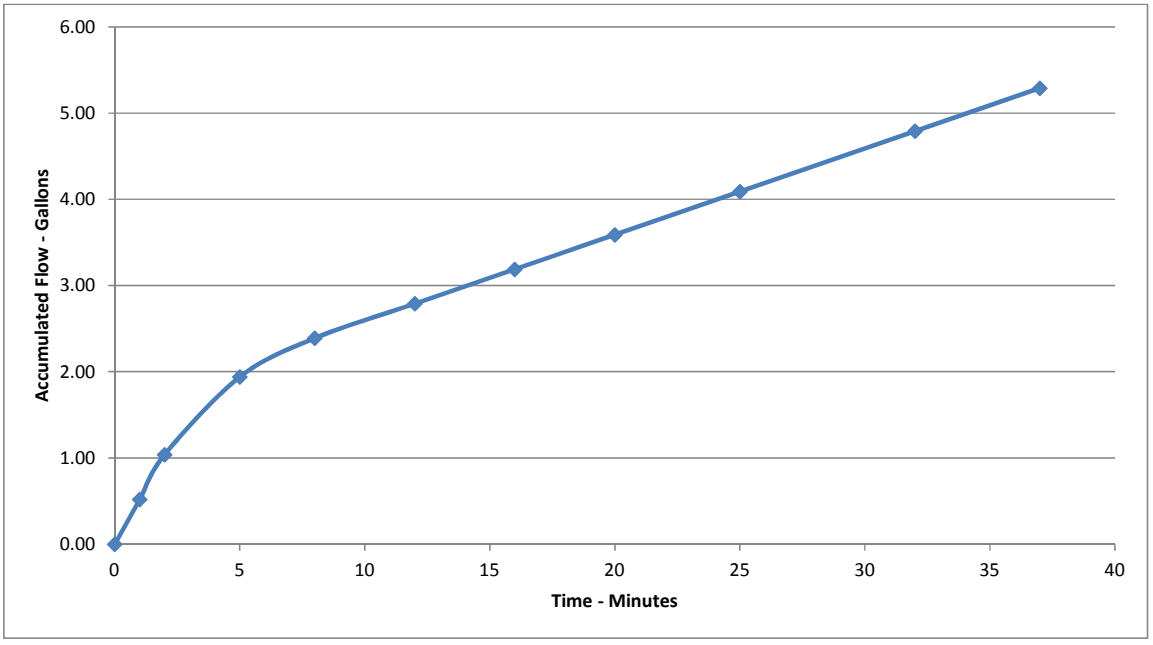
Diam. of Casing (in): 3

Ht. to Top of Casing (ft): 0

Water Tempurature (C°): 21

Constant Head

Elapsed Time (minutes)	Time	Depth to H2O (ft)	Flow Rate (gal./min.)	Total H_2O used (gal)
0	9:28	9.5	0.64	0.00
1	9:29	9.5	0.40	0.52
2	9:30	9.5	0.20	1.04
5	9:33	9.5	0.10	1.94
8	9:36	9.5	0.10	2.39
12	9:40	9.5	0.10	2.79
16	9:44	9.5	0.10	3.19
20	9:48	9.5	0.10	3.59
25	9:53	9.5	0.10	4.09
32	10:00	9.5	0.10	4.79
37	10:05	9.5	0.10	5.29



Field Percolation Testing - Constant Head

Client: Pacific Plaza

Job. No.: 2798.00

Date Tested: 3/8/2019

Test by: MP

Location: P-2

Top of Casing to Bottom of Well (ft): 39

Elev. of Ground Surface (ft): 375.1

Diam. of Test Hole (in): 8

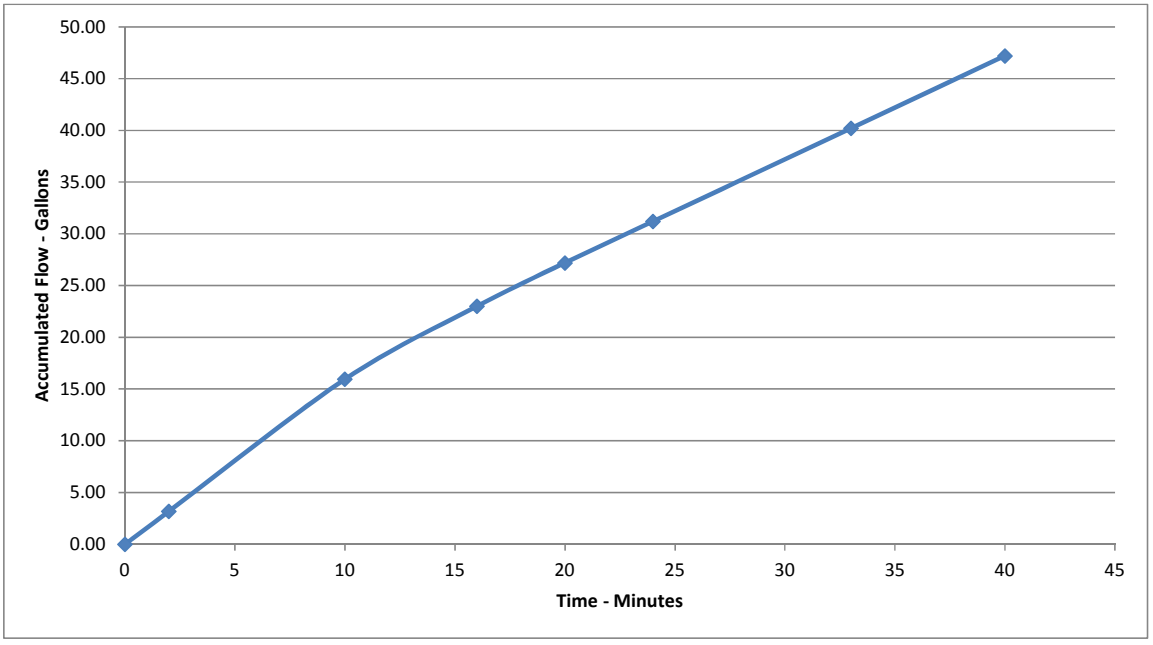
Diam. of Casing (in): 3

Ht. to Top of Casing (ft): 0

Water Tempurature (C°): 21

Constant Head

Elapsed Time (minutes)	Time	Depth to H2O (ft)	Flow Rate (gal./min.)	Total H_2O used (gal)
0	10:42	34	1.94	0.00
2	10:44	34	1.25	3.19
10	10:52	34	1.10	15.95
16	10:58	34	1.00	23.00
20	11:02	34	1.00	27.20
24	11:06	34	1.00	31.20
33	11:15	34	1.00	40.20
40	11:22	34	1.00	47.20



INFILTRATION WELL DESIGN

Constant Head
USBR 7300-89 Method
J.N.: 2798.00
Client: Pacific Plaza
Well No.: P-1

Low Water Table	Condition 1	
High Water Table & Water Below Bottom of Well	Condition 2	
High water Table with Water Above the Well Bottom	Condition 3	
		Units:
Enter Condition (1, 2 or 3):	1	
Ground Surface to Bottom of Well (h_1):	14.5	feet
Depth to Water (h_2):	9.5	feet
Height of Water in the Well (h_1-h_2=**h**):	5	feet
Radius of Well (**r**):	4.0	Inches
Minimum Volume Required:	1473.4	Gal.
Discharge Rate of Water Into Well for Steady-State Condition (**q**):	0.1	Gal/min.
Temperature (**T**):	21	Celsius
(Viscosity of Water @ Temp. T) / (Viscosity of water @ 20° C) (**V**):	0.9647	ft^3/min.
Unsaturated Distance Between the Water Surface in the Well and the Water table (T_u):		Ignore T_u
Factor of Safety:	1	
Coefficient of Permeability @ 20° C (k_{20}):	2.05E-04	ft/min.
Design k_{20}:	0.15	in./hr.

The presence or absence of a water table or impervious soil layer within a distance of less than three times that of the water depth in the well (measured from the water surface) will enable the water table to be classified as **Condition I**, **Condition II**, **Condtion III**.

Low Water Table-When the distance from the water surface in the test well to the ground water table, or to an impervious soil layer which is considered for test puposes to be equivalent to a water table, is greater than three times the depth of water in the well, classify as **Condition I**.

High Water Table-When the distance from the water surface in the test well to the ground water table or to an impervious layer is less than three times the depth of water in the well, a high water table condition exists. Use **Condition II** when the water table or impervious layer is below the well bottom. Use **Condition III** when the water table or impervious layer is above the well bottom.

INFILTRATION WELL DESIGN

Constant Head
USBR 7300-89 Method
J.N.: 2798.00
Client: Pacific Plaza
Well No.: P-2

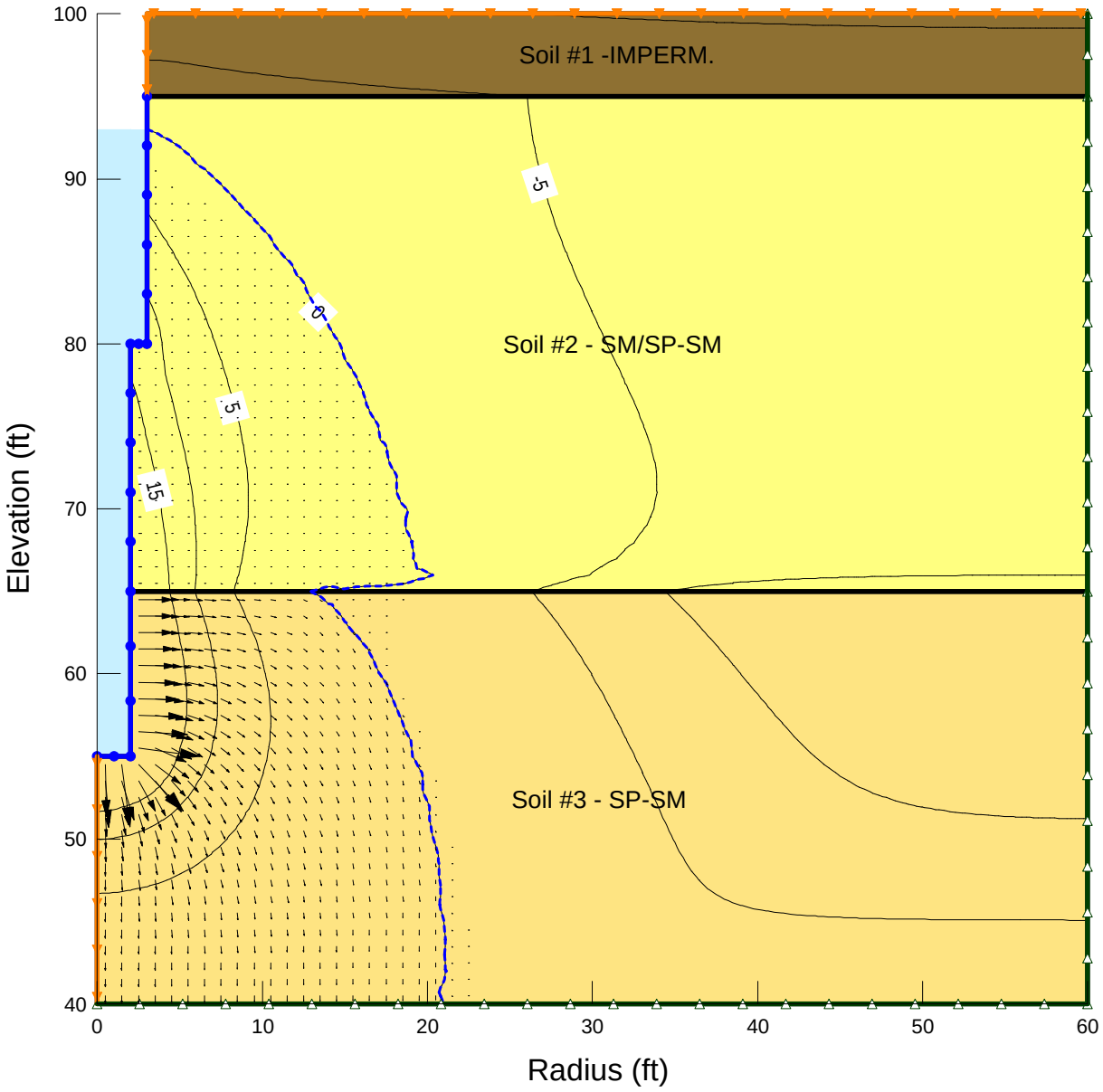
Low Water Table	Condition 1	
High Water Table & Water Below Bottom of Well	Condition 2	
High water Table with Water Above the Well Bottom	Condition 3	
		Units:
Enter Condition (1, 2 or 3):	1	
Ground Surface to Bottom of Well (**h_1**):	39	feet
Depth to Water (**h_2**):	34	feet
Height of Water in the Well (h_1-h_2=**h**):	5	feet
Radius of Well (**r**):	4.0	Inches
Minimum Volume Required:	1473.4	Gal.
Discharge Rate of Water Into Well for Steady-State Condition (**q**):	1	Gal/min.
Temperature (**T**):	21	Celsius
(Viscosity of Water @ Temp. T) / (Viscosity of water @ 20° C) (**V**):	0.9647	ft^3/min.
Unsaturated Distance Between the Water Surface in the Well and the Water table (**T_u**):		Ignore T_u
Factor of Safety:	1	
Coefficient of Permeability @ 20° C (**k_{20}**):	2.05E-03	ft/min.
Design k_{20}:	1.47	in./hr.

The presence or absence of a water table or impervious soil layer within a distance of less than three times that of the water depth in the well (measured from the water surface) will enable the water table to be classified as **Condition I**, **Condition II**, **Condtion III**.

Low Water Table-When the distance from the water surface in the test well to the ground water table, or to an impervious soil layer which is considered for test puposes to be equivalent to a water table, is greater than three times the depth of water in the well, classify as **Condition I**.

High Water Table-When the distance from the water surface in the test well to the ground water table or to an impervious layer is less than three times the depth of water in the well, a high water table condition exists. Use **Condition II** when the water table or impervious layer is below the well bottom. Use **Condition III** when the water table or impervious layer is above the well bottom.

STEADY STATE
FLOW ANALYSIS OF 45 ft DEEP, 4 ft DIAMETER DRY WELL



Contours are Pressure Head in Feet.

Arrows indicate direction of flow and relative magnitude of velocity.

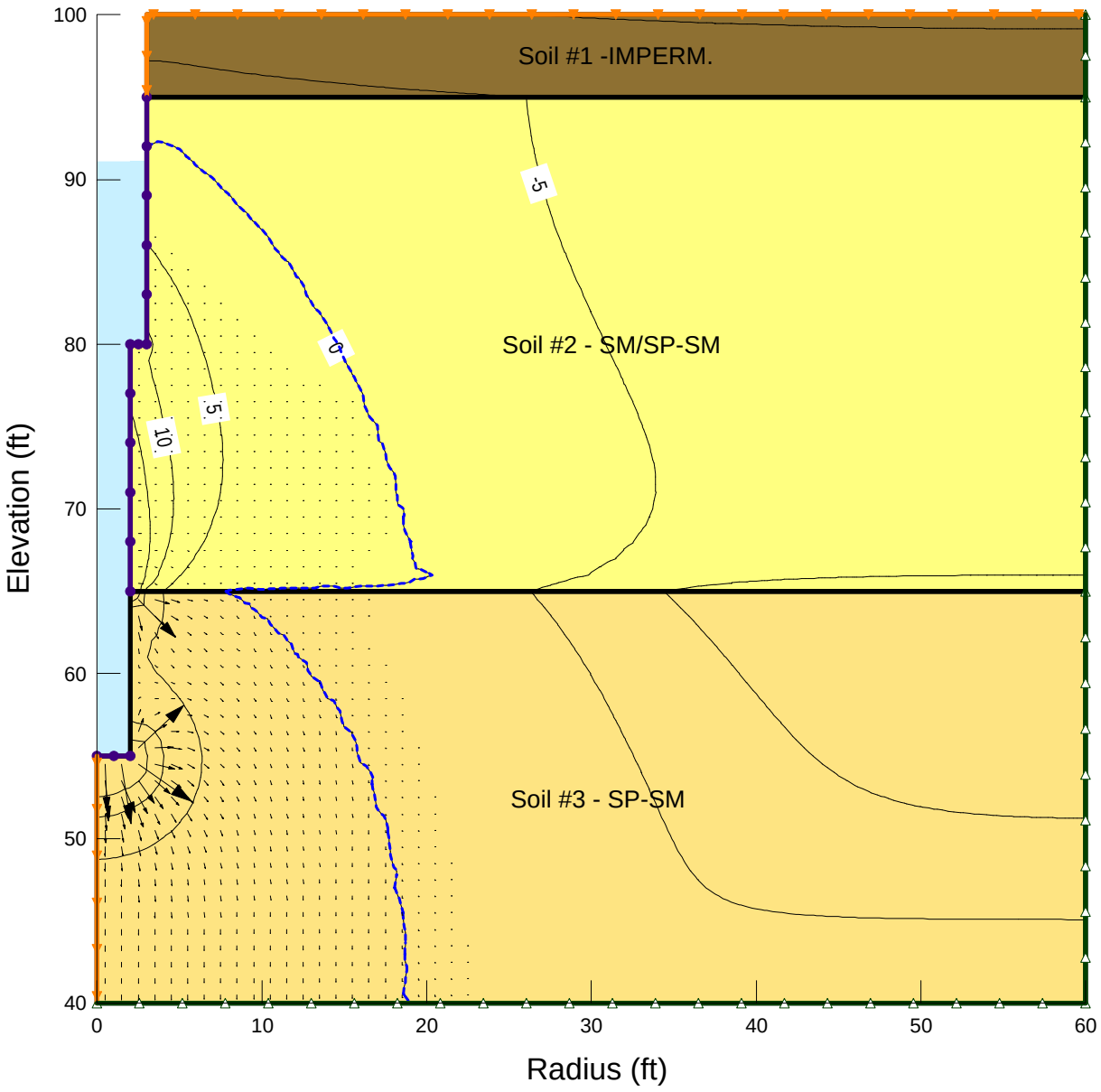
LEGEND

Zero Flux

Potential Seepage Face

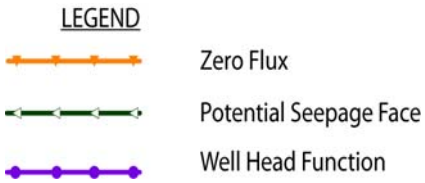
Fixed Total Head = 97 feet

TRANSIENT @ 0.5 Hour
FLOW ANALYSIS OF 45 ft DEEP, 4 ft DIAMETER DRY WELL

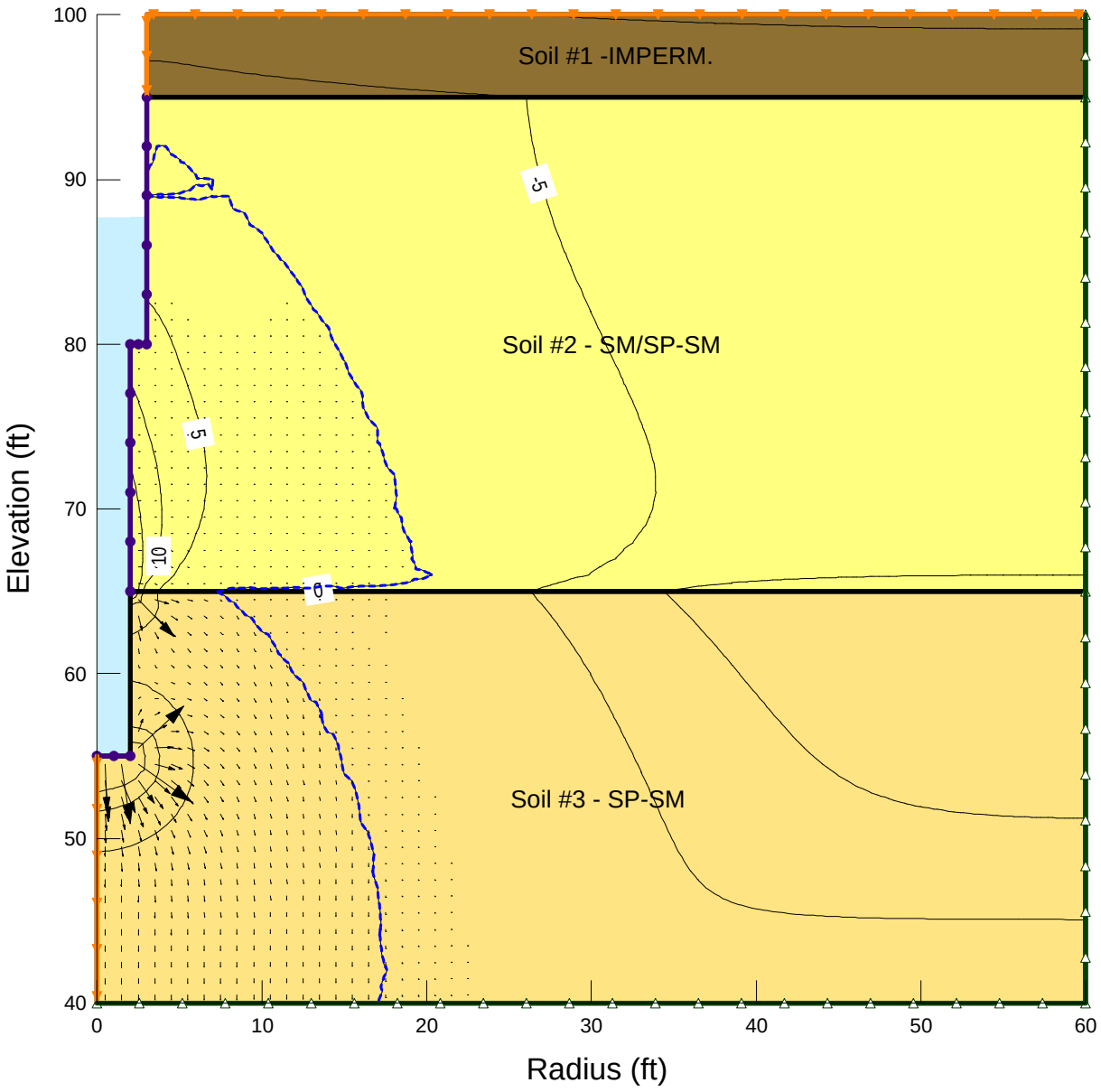


Contours are Pressure Head in Feet.

Arrows indicate direction of flow and relative magnitude of velocity.



TRANSIENT @ 1.0 Hour
FLOW ANALYSIS OF 45 ft DEEP, 4 ft DIAMETER DRY WELL



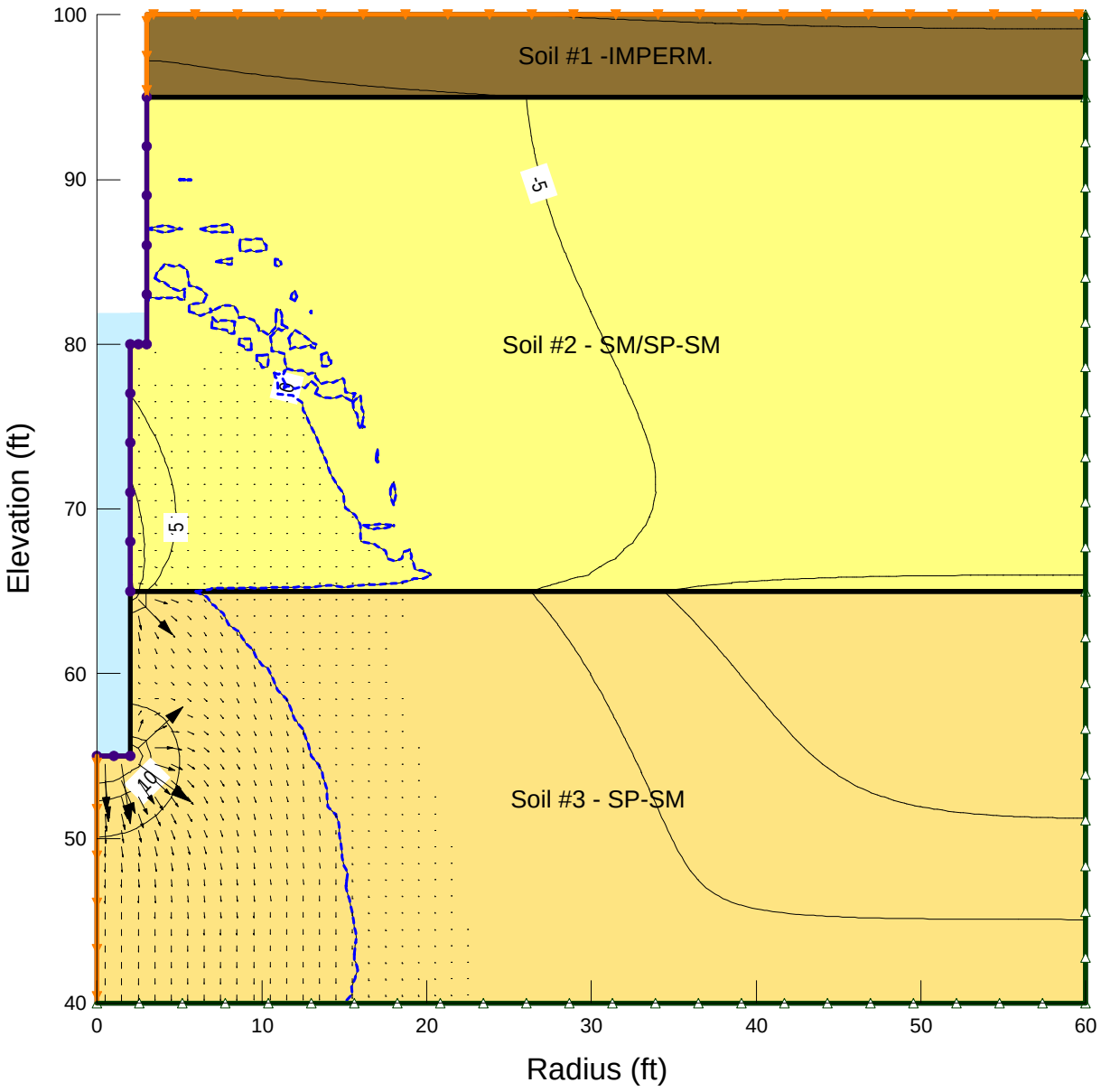
Contours are Pressure Head in Feet.

Arrows indicate direction of flow and relative magnitude of velocity.

LEGEND

- Zero Flux
- Potential Seepage Face
- Well Head Function

TRANSIENT @ 2.0 Hours
FLOW ANALYSIS OF 45 ft DEEP, 4 ft DIAMETER DRY WELL



Contours are Pressure Head in Feet.

Arrows indicate direction of flow and relative magnitude of velocity.

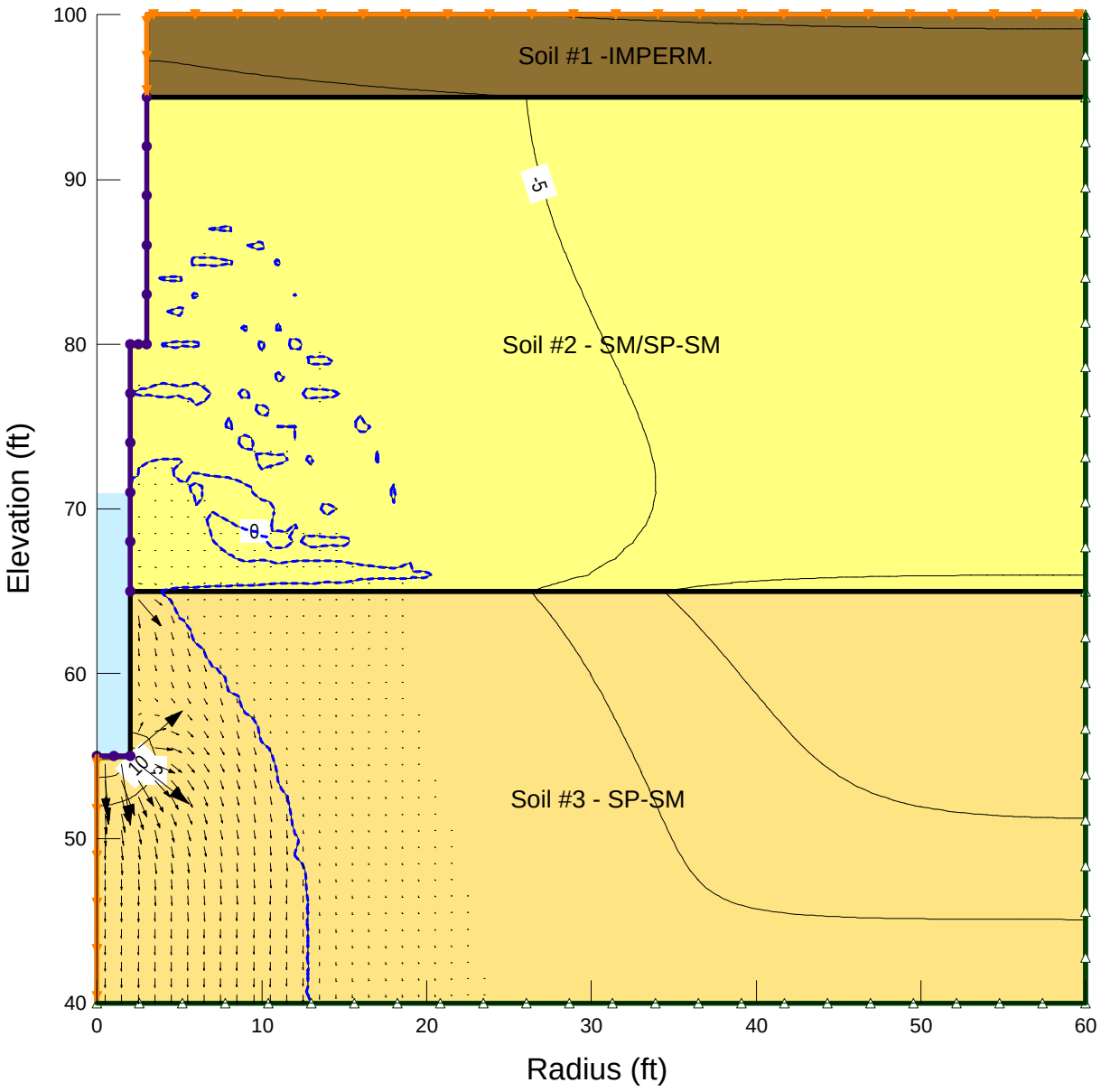
LEGEND

Zero Flux

Potential Seepage Face

Well Head Function

TRANSIENT @ 3.0 Hours
FLOW ANALYSIS OF 45 ft DEEP, 4 ft DIAMETER DRY WELL



Contours are Pressure Head in Feet.

Arrows indicate direction of flow and relative magnitude of velocity.

LEGEND

- Zero Flux
- Potential Seepage Face
- Well Head Function

ALBUS-KEEFE & ASSOCIATES, INC
GEOTECHNICAL CONSULTANTS

September 18, 2019
J.N.: 2798.00

Mr. Ken Lee
Pacific Plaza Premier Development Group
9661 E. Las Tunas Dr., Suite A
Temple City, California 91780

Subject: **Response to City Comments, Proposed Development, 700 and 800 San Gabriel Boulevard, San Gabriel, California.**

Reference: *Infiltration Study for Storm Water Quality, Proposed Mixed-Use Development, 700 and 800 San Gabriel Boulevard, San Gabriel, CA, 91776,* prepared by Albus-Keefe & Associates, Inc., dated March 25, 2019 (J.N. 2798.00)

Dear Mr. Lee,

We have prepared this correspondence in response to the comments provided by Environmental Science Associates (ESA) on behalf of the City of San Gabriel pertaining to our referenced report dated March 25, 2019. No official letterhead was provided. Instead, comments were electronically placed on pdf copies of our referenced report. The comments and the section of the report they were placed against are reiterated below.

#1 Original Text
Based on the architectural site plans by Media Portfolio, the proposed development for the site will consist of two mixed use buildings with a total of 243 residential units and approximately 1,315,150 ft2 of commercial space.

Comment
Per Draft EIR Project Description - 79,987 sf of commercial land uses. Also revise ft2 to spell out (square feet).

Response to Comment
Acknowledged. Based on the information provided, the proposed development for the site will consist of two mixed use buildings with a total of 243 residential units and approximately 79,987 square feet of commercial space.

Closing

We appreciate this opportunity to be of service to you. If you should have any questions regarding the contents of this correspondence, please do not hesitate to call.

Sincerely,

ALBUS-KEEFE & ASSOCIATES, INC.

Paul Hyun Jin Kim
Associate Engineer
GE 3106

REGISTERED PROFESSIONAL ENGINEER
HYUN JIN KIM
No. 3106
GEOTECHNICAL
STATE OF CALIFORNIA