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Thomas Lenoir, Myriam Duc, Laurent Lassabatère, Katia Bellagh. Identification of the artifact contribution to two urban Technosols by coupling a sorting test, chemical analyses, and a least absolute residual procedure. *Journal of Soils and Sediments*, 2019, 19 (2), pp. 683-701. 10.1007/s11368-018-2074-4 . hal-02877805

**HAL Id: hal-02877805**

**<https://hal.science/hal-02877805>**

Submitted on 2 Jun 2021

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SOILS, SEC 2 • GLOBAL CHANGE, ENVIRON RISK ASSESS, SUSTAINABLE LAND USE •  
RESEARCH ARTICLE

**Identification of the artefact contribution to two urban Technosols by coupling a sorting test, chemical analyses and a least-absolute residuals procedure**

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Received: 1 March 2018 / Accepted: 27 June 2018

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Responsible editor: Maxine J. Levin

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## Abstract

1  
2 Purpose: In the context of urban extension, the depletion of natural resources for construction  
3 constitutes a crucial issue. Specifically, in the field of earthworks, the amounts of materials can be  
4 massive and pose the crucial problem of resource shortage. Therefore, the reuse of excavated urban  
5 soils from foundation layers as new earthwork construction materials appears to be a sustainable and  
6 promising solution. Before repurposing, a better knowledge of urban soils and their potential pollutant  
7 load is compulsory.  
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10 Materials and methods: In this paper, two soils excavated from the town of Paris are studied. After the  
11 stripping of their surface, to remove organic matter and surface pollution, the matrices were submitted  
12 to elemental analyses using ICP-OES, C/S measurements and XRF techniques. The elemental  
13 analyses were carried out on the whole materials, on three granulometric fractions (<80  $\mu\text{m}$ , 80-400  $\mu\text{m}$ ,  
14 >400  $\mu\text{m}$ ) and on the families of artefacts (i.e. construction and demolition wastes, natural gravel,  
15 industrial wastes, magnetic and non-magnetic slags) found in the soils. The combination of elemental  
16 analyses and a least absolute residuals procedure (LAR) were used to quantify artefacts contributions  
17 in all granulometric fractions.  
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20 Results and discussion: The soils exhibit evidence of anthropic inputs with high contents of pollutants  
21 under the forms of carbonaceous, sulfur mineral and metallic alloys. Carbonaceous and trace pollutions  
22 are concentrated in magnetic and non-magnetic slags, while sulfur and strontium pollutions are  
23 concentrated in gypsum components. In both cases, all the granulometric fractions (including whole  
24 material) can be retrieved as a combination of artefacts composition, suggesting that the Technosoils  
25 mainly result from the mixture of these artefacts. The amounts of natural material, gypsum components  
26 and magnetic slags increase with the fineness of the fractions. In contrary, amount of non-magnetic  
27 slags decrease with the fineness of the fractions and suggests that the processes of slags weathering  
28 are not similar: carbonaceous slags are more stable than iron-enriched slags.  
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31 Conclusions: The elemental analyses of granulometric fractions of soils and the artefacts using LAR  
32 analyses help in identifying the compositions of each granulometric fraction and give insight into the  
33 evolution of artefacts in the soil. These tools are also promising regarding the assessment of geo-  
34 environmental characteristics of urban soils, which in turns provides relevant information regarding  
35 management and reuse.  
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40 **Keywords** Carbon • Construction and demolition wastes • Excavated soils • Least-absolute regression  
41 • Sulfur • Trace elements • Urban soils  
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## 1 Introduction

Growth of cities leads to significant increases in demand for resources and construction materials (Rivas et al. 2006; Huang et al. 2010; Magnusson et al. 2015). In metropolitan areas, because of land-use changes, this leads to depletion of natural resources for construction (Rivas et al. 2006), and materials having to be imported and transported over long distances (Ioannidou et al. 2015). This increases global projects costs (Magnusson et al. 2015). Specifically, in the field of earthworks, the amounts of materials needed for the construction of the subgrade layers of structures can be huge (Cabello Eras et al. 2013; Capony et al. 2013).

In this context, (re-)using excavated urban soils from foundation layers as new earthwork construction materials in urban areas appears much more environmentally sustainable and promising. For civil engineering projects, it improves resource efficiency and reduces both costs and climate impacts (Magnusson et al. 2015). The management of excavated urban soil (re-)use in earthwork is governed by geotechnical and geo-environmental soil properties. Geotechnical properties determine whether the material has the required mechanical specifications before use in construction projects (Lenoir et al. 2016; Preteseille and Lenoir 2016). Besides, the geo-environmental properties assess the toxic potential of these materials (Mantis et al. 2005; Jean-Soro et al. 2015).

As urban soils were already used as base and subgrade materials, it is logical to suppose that they have adequate mechanical properties to support new construction projects. The geo-environmental properties of urban soils have been studied for several decades (Solomon and Harford 1976; Chen et al. 2005; Lorenz and Kandeler 2005; Rossiter 2007; Morel et al. 2015). Deeply impacted in their composition by human activities (Séré et al. 2010), they are composed of natural and anthropic materials (Morel et al. 2015) and may exhibit several types of pollution, such as construction and demolition waste (C&DW), metal pollution, or organic pollution (Chen et al. 2005; Lorenz and Kandeler 2005; Norra et al. 2008; Magnusson et al. 2015).

Nevertheless, because they are more closely related to biomass production or human activities, only top soils (i.e. about the first 50 cm) of urban matrixes are generally studied (Salvagio Manta et al. 2002; Chen et al. 2005; Hanna et al. 2009; Sun et al. 2010; Wei and Yang 2010; Bech et al. 2011; Jean-Soro et al. 2015; Pariente et al. 2015; Zhao and Hazelton 2016; Cai et al. 2017; Nezat et al. 2017). During earthwork operations, the surface layer is removed and landfilled to be sure to remove potential surface organic matter and potential surface pollution. Earthmoving programs concern depths beyond 1 meter (Cabello Eras et al. 2013). There is clearly a need for complete characterization of the geotechnical and geo-environmental properties of the urban soils underneath the first horizons. Some studies on urban and industrial soils have attempted such a characterization using pedological pits (Lu et al. 2003; Lorenz and Kandeler 2005; Douay et al. 2008; Norra et al. 2008; Luo et al. 2009; Huot et al. 2014a, 2014b; Burlakovs et al. 2016). However, though the pit depths were large enough to encompass earthwork depths, the excavated volumes were relatively small, with surface areas around 1 m<sup>2</sup>, and with discrete sampling on the earthwork operations scale. Such approaches appeared too limited to allow any conclusions whether using the urban soils was viable. Few studies have dealt with both pedological and

1 representative statistical approaches (Lu et al. 2003; Douay et al. 2008; Luo et al. 2009) and lower  
2 horizons of urban matrixes are still not well defined. For example, few studies have handled subgrades  
3 of park areas, whose foundation layers present high pollution variability and potentially significant loads  
4 (Lu et al. 2003; Lorenz and Kandeler 2005). The subgrades of industrial sites are better known.  
5 Considered as archives of past industrial activities, they often incorporate mixed and stacked layers of  
6 slag, ashes, tar, sludge and coal burning waste (Douay et al. 2008; Huot et al. 2014a, 2014b).  
7 Enrichment with C&DW is also usual because of surface remodeling (Magnusson et al. 2015; Morel et  
8 al. 2015). It is well known that all these anthropic inputs, also defined as artefacts, can associate in  
9 unusual assemblages and spread rapidly (Leguédois et al. 2016).

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14 To understand and predict the behavior of Technosols under new physical and chemical conditions (e.g.  
15 excavation, compaction, treatment) within the context of recycling and reuse of the materials, distribution  
16 of artefacts must be known. Such knowledge is a prerequisite for a proper understanding of weathering  
17 processes and related potential for pollutant release.

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21 This study investigates the geo-environmental properties of two urban Technosols located in Paris and  
22 considered for reuse. To this aim, the study combines the geological and geotechnical characterization  
23 of the two Technosols with the contribution of artefacts to its chemical composition. This last part  
24 involves soil sorting into four granulometric fractions, their characterization in term of elemental  
25 composition and the comparison with the artefacts. The granular fraction (> 4 mm), was sorted into  
26 relevant artefact families (Coronado et al. 2011). Distributions of trace elements such as heavy metals  
27 (Ba, Co, Cr, Cu, Mn, Ni, Pb, Sr, V and Zn), major elements (Si, Al, Fe, Ca, S, C<sub>Total</sub> and C<sub>Organic</sub>) and  
28 intermediate elements (Mg, K, Na, P, Ti) in the different fractions and different families were quantified  
29 and discussed. The detailed analysis of artefact families gives ideas about their nature and helps to  
30 identify physical and chemical markers or sources of contamination. Finally, in coupling chemical  
31 analysis with a least absolute residuals procedure (LAR), attempts have been made to quantify the  
32 amount of each family in the three fractions as well as in the whole soil fraction.

## 33 34 35 36 37 38 39 40 41 42 **2 Materials and methods**

### 43 44 45 **2.1 Sampling**

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47 The first material, denoted SB, originates from the subgrade of a former industrial site located in the  
48 south west of the town of Boulogne-Billancourt, near Paris, France, along the Seine River (S~110,000  
49 m<sup>2</sup> - Fig. 1). The second material, denoted SI, originates from a partially plant-covered area including  
50 an embankment of the Paris ring road, near the Seine River (S~20,000 m<sup>2</sup> - Fig. 1).

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1 fraction > 20 mm (9 % for SB and 10 % for SI) was crushed and reintroduced in each matrix as is done  
2 in the field of earthworks. Finally, they were manually homogenized with a shovel and stored at room  
3 temperature in a protected tank (Fig. 1).  
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## 7 **2.2 Characterization**

### 8 *2.2.1 Geotechnical identification*

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11 To foresee the materials that could be present on the site, geological and historical research was done,  
12 completed by geotechnical identification. That included grain size distribution (AFNOR 1992a, 1992b,  
13 1996), determination of liquid limit ( $W_L$ ), plastic limit ( $W_P$ ), plasticity index ( $I_P$ ), estimation of the clay  
14 activity  $A = I_P/C_{2\mu m}$  (AFNOR 1993, 1998). In addition, loss on ignition (LOI) at 550°C (AFNOR 2007) and  
15 particle densities ( $\rho_d$ ) before and after heating at  $T = 550\text{ }^\circ\text{C}$  were measured for the < 2 mm  
16 granulometric fraction (AFNOR 2008).  
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### 25 *2.2.2 Sorting test*

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27 The materials were sorted into four granular fractions: 1- Whole material: 0- $D_{max}$ , 2- Fine fraction: 0-  
28 80  $\mu\text{m}$ , 3- Intermediate fraction: 80-400  $\mu\text{m}$  and 4- Coarse fraction: 400  $\mu\text{m}$  –  $D_{max}$ . Artefacts were then  
29 sorted following standards (AFNOR 2009a, 2012), considering a threshold of 4 mm for particle diameter.  
30 We considered 6 artefact families:  $R_c$  contains concretes, concrete products (including hydraulically  
31 bound material), mortars, concrete masonry units;  $R_u$  contains unbound gravel, natural stones;  $R_b$   
32 contains terracotta units such as bricks and tiles, and non-floating cellular concretes; SF contains  
33 magnetic slags; SNF contains non-magnetic slags;  $G_y$  contains gypsum components; and  $X_1$  contains  
34 aggregated fine-grained material. Before further analysis, each family was washed quickly on a 4-mm  
35 sieve, and LOI at  $T=450\text{ }^\circ\text{C}$  and  $T=550\text{ }^\circ\text{C}$  (AFNOR 2013) and  $\rho_d$  were determined.  
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### 45 *2.2.3 Chemical analyses*

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47 Elemental occurrences were obtained using X-ray fluorescence (XRF). A Brucker M4 TORNADO  
48 laboratory instrument equipped with an Rh X-ray tube operated at 50 keV and 300  $\mu\text{A}$  was used. X-ray  
49 fluorescence was measured using a silicon drift detector with a spot size of 25  $\mu\text{m}$  (Jean-Soro et al.  
50 2014). XRF spectra were measured under vacuum on the granular fractions and the artefact families  
51 ground to a diameter < 40  $\mu\text{m}$ . For each fraction, 96 spectra were collected, and for each artefact, 30.  
52 They were normalized on the Compton peak (i.e. peak maximum set to 1) and limited at the Rayleigh  
53 peak (~20 keV). To study chemical correlation, the elemental composition of artefact families was  
54 analyzed semi-quantitatively by applying a semi-automatic method provided by the software 'Esprit'  
55 coupled with M4 TORNADO. Mean XRF spectra were then determined.  
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1 We accurately quantified elements on both granular fractions and artefacts with Inductively Coupled  
2 Plasma-Optical Emission Spectroscopy - ICP-OES (AFNOR, 2001, 2009b) using a Varian 720 ES, after  
3 mineralization with a mixture of HF and HClO<sub>4</sub> and alkali fusion with lithium tetraborate for silica content.  
4 Carbon (Total Carbon and Total Organic Carbon) and sulfur contents were determined using a LECO  
5 SC144 C/S analyzer.  
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8 All the chemical analyses, LOI, ρ<sub>d</sub>, correlations from XRF analyses and mean XRF spectra are provided  
9 in an accompanying Electronic Supplementary Material (ESM).  
10

## 11 **2.3 Least absolute residuals procedure (LAR)**

12  
13 Based on measurements from the chemical analyses (ICP, C/S measurements and LOI), a least  
14 absolute regression approach was applied to quantify the content of the six artefacts in the four granular  
15 fractions. This approach is known to be less sensitive to outliers than other fitting methods. In addition,  
16 to make sure of equal weight between data, each absolute difference was normalized.  
17

18 We named the sets of experimental measurements as follows:

- 19 - on the three granular fractions and the whole material, Meas.<sub>f</sub> (i.e., Meas.<sub>[-80μm]</sub>, Meas.<sub>[80-400 μm]</sub>,  
20 Meas.<sub>[>400 μm]</sub>, and Meas.<sub>WM</sub>)
- 21 - on each family of artefact, Meas.<sub>i</sub> (i.e., Meas.<sub>SNF</sub>, Meas.<sub>SF</sub>, Meas.<sub>Ru</sub>, Meas.<sub>Gy</sub>, Meas.<sub>Rc</sub>, Meas.<sub>Rb</sub>)

22  
23 Considering the j measurements in each set, the aim of the approach is to find, for each fraction f, a set  
24 of six coefficients q<sub>i</sub> that minimizes the difference between predicted and observed values:  
25

$$26 \sum_j \frac{\left| Meas_{f,j} - \sum_i q_i Meas_{i,j} \right|}{Meas_{f,j}}$$

27  
28 Calculations have been done using Microsoft Excel Solver.  
29

## 30 **3 Results and discussion**

### 31 **3.1 Materials characterization**

#### 32 *3.1.1 Geological origin*

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34 In both cases, the materials originated from a geological deposit that is defined as old alluvium. It was  
35 deposited by the river at different stages of the morphological evolution of the site and consists of  
36 millstone grit, flint, limestone, granitic rocks and jurassic cherts. Since then, anthropic activities have  
37 impacted the natural deposit for several millenniums, leading to a material defined as backfill (Fig. 1). It  
38  
39

1 consists of original soil wastes (e.g., demolition waste, gypsum from plaster) and excavated materials  
2 from quarries (e.g., sand, chalk, natural gypsum) mixed eventually with original soil (BRGM 1973).

3  
4 Material SB originates from a site used for tannery and laundry, since the industrial period of the 18<sup>th</sup>  
5 century. In the 20<sup>th</sup> century, automotive industries operated on the site (Hatry and Mercier 1991). That  
6 stopped at the end of the century. Deconstruction and depollution operations were conducted in  
7 accordance with the French Environment Code on classified facilities for environmental protection.  
8  
9

10 Material SI originates from the subgrade of the 19<sup>th</sup> century wall that surrounded Paris. After it was  
11 deconstructed in the beginning of the 20<sup>th</sup> century, the site became a slum. Since the 1970s, part of it  
12 was used as a subgrade layer for an embankment of the ring road, and the rest was converted into a  
13 private park. Several industrial sites have been operating in its vicinity.  
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### 20 *3.1.2 Geotechnical classification*

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22 Both materials SB and SI can be considered as silty sand and silty gravel (Fig. 2). They are classified  
23 at the edge of A-6 and A-2-6 according the ASHTOO classification (ASTM 2009), SM according to  
24 Unified Soil Classification System (ASTM 2011) and at the edge between C1A1 and C1B5 according to  
25 the French soils classification (AFNOR 1992a). In accordance with literature (De Kimpe and Morel 2000;  
26 Biasoli et al. 2005; Sun et al. 2013), clay contents are low (< 15 %) and the clays tend to be inactive in  
27 SB and have normal activity in SI.  
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32 Loss on ignition at 550 °C are 14.6 % for SB and 6.8 % for SI. Such high levels have already been  
33 noticed in the depth of Technosols. They are related to previous human activities (e.g., industrial  
34 operations) and result from the presence of ash, coal and coke (Huot et al. 2014b; Lorenz and Kandeler  
35 2004). Because of compaction and partial sealing of these deep layers (Wei et al. 2014), the microbial  
36 activity is too poor to degrade organic matter, which results in stable organic matter stocks at these  
37 depths. C&DW are also known to be sensitive to heating (Asakura et al. 2010) and especially plaster  
38 and gypsum materials that bind water loosely or even degrade at low temperature (Chindapasirt et al.  
39 2011).  
40  
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45 Particle densities are  $\rho_d = 2.52$  (standard deviation  $\text{std} = 0.01$ )  $\text{g/cm}^3$  for SB and  $\rho_d = 2.57$  ( $\text{std} = 0.02$ )  
46  $\text{g/cm}^3$  for SI. Values are lower than the usual particle densities found in natural soils of around 2.6-2.8  
47  $\text{g/cm}^3$  (Blanco-Canqui et al. 2005), and slightly higher than C&DW particle densities (around 2.3-2.6  
48  $\text{g/cm}^3$  given by Arulrajah et al. (2013), Asakura et al. (2010), Silva et al. (2014). In accordance with  
49 observations from LOI, after calcination at 550°C, densities reach 2.7-2.8  $\text{g/cm}^3$ .  
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### 57 *3.1.3 Sorting test*



1 After sorting the granular fraction (particle size above 4 mm) in class of artefacts (Table 1), both matrixes  
2 exhibit a low amount of floating particles (less than 1 %). In this specific granulometric fraction, SB is  
3 composed of around 30 % of gravels ( $R_u$ ) and 25 % of non-magnetic scoria (SNF). At amounts above  
4 15%, occurrences of aggregated fine particles ( $X_1$ ) and concrete products ( $R_c$ ) are also noticeable. The  
5 amounts of gypsum components ( $G_y$ ) and magnetic scoria (SF) are small (4 %) but not negligible. A  
6 small occurrence of terracotta materials ( $R_b$ ) has also been detected.  
7

8  
9  
10 Non-floating particles in the granular fraction of SI are divided into three main classes; 44 % are gravels  
11 ( $R_u$ ), 33 % aggregated fine particles ( $X_1$ ) and 13 % non-ferruginous scoria (SNF). The amount of gypsum  
12 components ( $G_y$ ) is 5 %. Concrete products  $R_c$ , ferruginous scoria (SF) and terracotta materials ( $R_b$ ) are  
13 present in small amounts.  
14

15  
16  
17 Even if for SB the high content of concrete products is the fingerprint of the former industrial function  
18 and of construction-deconstruction processes (Ding and Xiao 2014), the two materials present features  
19 that are not in accordance with usual C&DW. Firstly, there is no wood, plastic, paper or rubber and the  
20 amount of bricks is very low (Poon et al. 2001; Bianchini et al. 2005; Ding and Xiao 2014). Secondly,  
21 natural gravels and stones ( $R_u$ ) are classically not considered in the literature as C&DW (Magnusson  
22 2015). The high amount of this material in both cases highlights the former backfill origin on the one  
23 hand, and the function of subgrade for structures on the other hand. However, for SB, The noteworthy  
24 amounts of SNF and SF could also be a distinctive feature of industrial activities.  
25  
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29 Given their composition on the granular fraction and use over recent decades, both matrixes can be  
30 considered as Ekranic Technosols. For SB, the addition of the supplementary qualifier Spolic is also  
31 relevant (IUSS Working Group WRB 2015).  
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## 37 **3.2 Chemical analyses**

### 38 *3.2.1 Granulometric fractions of the two materials SB and SI*

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42 For both materials, all peaks measured on the whole material were found for the three granular fractions  
43 with similar intensities as illustrated for material SB in Fig. 3. In addition, the mean spectra from the two  
44 whole materials are very similar (Fig. 4). Magnesium (Mg), aluminum (Al), silicon (Si), sulfur (S),  
45 potassium (K), calcium (Ca), titanium (Ti), chromium (Cr), iron (Fe), manganese (Mn), nickel (Ni), copper  
46 (Cu), zinc (Zn), lead (Pb) and strontium (Sr) were detected. Presence of phosphorous (P), sodium (Na),  
47 chlorine (Cl), barium (Ba), rhenium (Re), rubidium (Rb), yttrium (Y), zirconium (Zr) and molybdene (Mo)  
48 can also be suspected.  
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54 Figure 5 and Fig. 6 summarize the contents of main major elements (Si, Al, Ca, C and S) and trace  
55 elements (Ni, Ba, Cr, Cu, Mn, Sr, Zn, Pb) in the different granulometric fractions and on the whole  
56 material (WM) measured with ICP-OES.  
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58  
59 -Major elements  
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1 For both materials, approaches with ICP-OES and XRF show that SiO<sub>2</sub> contents vary with granulometric  
2 fraction. The finer the fraction, the lower the content. The occurrence of clay minerals in the fine fraction  
3 is not enough to explain these differences. Increasing Si in the intermediate and coarsest fractions may  
4 originate from the original matrixes (e.g. Si-rich minerals like quartz) but it could also be due to the  
5 introduction of technogenic material (Norra et al. 2006; El Khalil et al. 2008, 2013).  
6

7  
8 Total carbon (CO<sub>2tot</sub>) is the second main component of the two materials. Amounts of CO<sub>2org</sub> and CO<sub>2tot</sub>  
9 are highly correlated, with a determination coefficient R<sup>2</sup>=0.94. In both cases, the amounts of CO<sub>2org</sub> are  
10 lower in the finest fraction.  
11

12  
13 For both SI and SB materials, Ca is the third main component of soils. Measures from ICP-OES are in  
14 agreement with XRF semi-quantification. The amount of CaO is the highest in the fine fraction, and  
15 similar in the intermediate and coarse ones. It represents 18 % and 21 % of the whole fraction of SB  
16 and SI respectively. Calcium carbonates, such as calcite CaCO<sub>3</sub>, are one of its main speciations in soils  
17 (Hillel 2005). Moreover, in C&DW, calcium is also found as sulfate (CaSO<sub>4</sub>, xH<sub>2</sub>O), like gypsum in  
18 plaster/drywall (Jimenez-Rivero and Garcia-Navarro, 2017; Lee et al. 2006). This hypothesis is plausible  
19 for these two materials, SO<sub>2</sub> contents can be estimated reasonably around 1-2 % for SB and 3-4 % for  
20 SI.  
21

22  
23 In accordance with analyses by ICP-OES, XRF spectra suggest that both materials contain significant  
24 amounts of Fe. Its occurrence seems to be independent of the granulometric fractions. In both cases,  
25 Fe concentrations are above 3,500 mg/kg<sub>dm</sub>, which is the common average for soils (Kabata-Pendias  
26 2010). Part of Fe in SB and SI can be imputed to anthropogenic contributions (El Khalil et al. 2011).  
27

28  
29 To complete the analysis of major elements, for both the materials, XRF showed that [Al]<sub><80 μm</sub> > [Al]<sub>>400  
30 μm</sub> > [Al]<sub>80-400 μm</sub>. IPC-OES results confirm this trend; the contents of [Al<sub>2</sub>O<sub>4</sub>] in the fine fraction are around  
31 1% higher than in the coarsest fraction and 2% higher than in the intermediate fraction. This is usual,  
32 considering that Al comes from clay minerals in the clay fraction (<2 μm). However, further investigations  
33 must be done to determine if this noteworthy occurrence of Al in the coarsest fraction is natural or can  
34 be attributed to anthropic contributions.  
35

#### 36 -Intermediate elements

37  
38 Elements K, Na, P, Mg, Ti and Mn are considered to have an intermediate occurrence in between the  
39 major and trace elements. Except for Ti, XRF analyses cannot give relevant information about these  
40 elements. The method is not sensitive to Na, and backgrounds (from Fe, Ca and Si) can lead to  
41 interference and poor estimations of their contents (Fig. 3 and Fig. 4).  
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43  
44 The amounts of K are around 6,000 - 8,000 mg/kg<sub>dm</sub> regardless of the material origin and granulometric  
45 fraction. The Na contents seem also to be separated from granulometric fraction but are higher in SI  
46 than in SB. Never found as free solids in nature, K and Na can be associated with several minerals or  
47 brought by several anthropogenic activities (Hammond 2003). The difference between the matrixes  
48 could be attributed to salt used as a de-icing agent for roads in the case of SI (Bryson and Barker 2002).  
49

1 However, Na or K occurrence in soils is highly variable and their concentrations in both materials remain  
2 far from extreme contents (Reimann and de Caritat 2002; Alekseenko and Alekseenko 2014).

3  
4 Levels of P are similar to regular standards for SB and slightly higher for material SI (Reimann and de  
5 Caritat 2002; Alekseenko and Alekseenko 2014). In SB, the P content is twice as high in the finest  
6 fraction than in the coarsest fraction. Measurements are relevant regarding the phosphorous cycle. After  
7 alteration of primary minerals, P may be adsorbed on clay minerals, Fe or Al oxy-hydroxides, or CaCO<sub>3</sub>  
8 surfaces (Hillel 2005). This may explain why the P levels increase in finest fraction of SB. This tendency  
9 is not observed for SI, where the content of the coarse fraction is higher than the content of the two  
10 other fractions. This distribution is hard to explain. Roads are sources of P (Withers and Jarvie, 2008)  
11 but it is then adsorbed to small particles in the road structure (Wu et al. 2015).  
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16 Content of Mg is around two times higher in the fine fraction than in the two others for both materials. It  
17 is also twice as high in SI as in SB. This is relevant with the geochemical processes that govern Mg  
18 geochemical behavior. After alteration of primary mineral, Mg is found in secondary silicate clay minerals  
19 like chlorite, vermiculite, illite, and montmorillonite, in organic matter as exchangeable cations, and in  
20 soil solutions (Hillel 2005). For SB, measured levels are not critically high. By contrast, for SI, they are  
21 a bit high in comparison with regular standards (Reimann and de Caritat 2002; Alekseenko and  
22 Alekseenko 2014). Magnesium chloride (MgCl<sub>2</sub>) is a well-known road de-icing agent (Nelson et al. 2009)  
23 while Mg alloys are also commonly used in cars.  
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30 Interestingly, magnesium, phosphorus and potassium are often considered as secondary (Mg) and  
31 major (P and K) crop nutrients. Their occurrences show that the soils may have recreational/ecological  
32 potential (Hillel, 2005) despite their previous use as subgrade layer.  
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35 XRF and ICP-OES show that both materials contain Ti with [Ti] <80 μm ~ [Ti] >400 μm > [Ti] 80 – 400 μm,  
36 regardless of the materials. Ti minerals are very resistant to weathering and occur practically  
37 undecomposed in soils. When Ti-bearing silicates are dissolved, the element is readily transformed into  
38 Ti oxide-aquate, which is transformed to anatase or rutile (Cornu et al. 1999, Kabata-Pendias 2010).  
39 However, anthropic use as Ti-alloys or Ti-paints can also be a significant source of this element in  
40 anthropogenic soils (Bech et al. 2011). As for Al, the observed uncommon distribution in the three  
41 granulometric fractions could reflect that titanium in the fine fraction originates from natural processes  
42 whereas these two elements may originate from anthropic sources in the coarsest fraction. Levels are  
43 similar for both soils and do not exceed critical concentrations (Reimann and de Caritat 2002; Lopez-  
44 Garcia et al. 2004; Kabata-Pendias 2010; El Khalil et al. 2013; Alekseenko and Alekseenko 2014).  
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51 Finally, the results tend to show that the Mn content does not depend on the granulometric fraction. This  
52 element is relatively mobile in soils and is known to readily concentrate under the forms of secondary  
53 Mn minerals after alteration. Colloidal Mn oxides reveal a great affinity for adsorption of cationic and  
54 anionic forms of elements as well as inorganic and organic substances (Kabata-Pendias, 2010). In both  
55 materials, measured levels are typical of most natural and anthropogenic soils (Reimann and de Caritat  
56 2002; Kabata-Pendias 2010; Alekseenko and Alekseenko 2014).  
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## -Trace elements

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Metalloids Zn, Cu, Ni and Pb are major pollutants of roadside soils (Munch 1993; Hanna et al. 2009). XRF analysis shows that their concentrations are clearly higher in the finest fraction. Such finding is quite common in soils and may be attributed to sorption processes in relation with higher specific areas (Hillel, 2005). Concentrations also seem to be higher in the 80-400  $\mu\text{m}$  fraction than in the coarsest one but the ranges are similar (Fig. 3 and Fig. 4). For SB, those observations are confirmed by the chemical analysis (Fig. 6), except for copper (Cu). The Cu concentration in the coarsest fraction is around 2.5 times higher than in the finest fraction. For SI, XRF observations are confirmed by chemical measurements, except for Pb, which is sorted as follow  $[\text{Pb}]_{>400\mu\text{m}} > [\text{Pb}]_{80-400\mu\text{m}} > [\text{Pb}]_{<80\mu\text{m}}$ . In both cases (Cu in SB and Pb in SI), ICP-OES results have to be considered cautiously. They are not consistent with the chemical measurements on the whole fractions and the granulometric fractions. We suggest that "Cu/Pb hot spots" may have been present in the blend of the samples.

In both matrixes, the Zn content was around ten times higher than the general values for average total Zn contents in soils (Reimann and de Caritat 2002; Kabata-Pendias 2010). Higher levels have been measured for urban soils (El Khalil et al. 2013; Alekseenko and Alekseenko 2014), but chemical results clearly highlight anthropic soil contamination (Jean-Soro et al. 2015).

Amounts of Pb are around 100-300  $\text{mg}/\text{kg}_{\text{dm}}$  in both whole materials. The concentrations usually encountered in areas remote from human activity are in the range of 3-90  $\text{mg}/\text{kg}_{\text{dm}}$ , with 27  $\text{mg}/\text{kg}_{\text{dm}}$  as overall mean value (Kabata-Pendias 2010). Even for urban soils, the levels are high (Lu et al. 2003; Cachada et al. 2013; Jean-Soro et al. 2015). Similar levels have been recorded in urban road dusts (Nazzal et al. 2013). Considering the geological origin of the soil and the history of the site, it is probable that the major part of Pb in the matrix originates from human activities.

Concentrations of Cu in the whole fraction of both materials are around 6 to 8 times higher than median total copper concentrations found in uncontaminated soils (WHO 1998). These levels are high, even for urban soils (Lu 2003; Alekseenko and Alekseenko 2014; Jean-Soro et al. 2015) and also higher than the levels found in urban road dusts (Nazzal et al. 2013). As for Pb, suggesting an anthropogenic origin is reasonable.

For SI, loads of Ni are in the range of amounts measured from non-contaminated soils (Kabata-Pendias 2010) and are in line with previous Ni measurements in urban soils (Reimann and de Caritat 2002; El Khalil et al. 2012; Alekseenko and Alekseenko 2014) and in soils near roads (Münch 1993; Duong and Lee 2011). For SB, with around 200  $\text{mg}/\text{kg}_{\text{dm}}$  levels are critically high (Lu et al. 2003; Herselman et al. 2005; Islam et al. 2015). It is clear that the processes of Ni-contamination are different for the two soils.

For Cr, XRF analyses and IPC-OES measurements show that the occurrence of Cr is lower in the finest fraction than in the two others. As previous metalloids, there is a positive relationship between Cr and the fine granulometric fraction in soils (Kabata-Pendias 2010). For this reason, the unusual chromium content sorting in the two matrixes could be interpreted as the result of anthropic sources. Moreover, the measured amount of Cr in the whole SB fraction is high for the measured levels in the three

1 granulometric fractions, this could be interpreted as the occurrence of Cr-rich compounds. Chromium  
2 levels are in the range of levels measured in polluted urban soils (Reimann and de Caritat 2002; Lu et  
3 al. 2003; Islam et al. 2015).

4  
5 For both materials, XRF analyses and IPC-OES measurements show that the occurrence of Sr is higher  
6 in the finest fraction than in the two others. Such results are in line with previous studies. After weathering  
7 of primary minerals, the predominant cation,  $\text{Sr}^{2+}$ , is likely to be sorbed under hydrated form onto clay  
8 minerals and Fe oxides and hydroxides. The measured contents are similar in SB and SI, and higher  
9 than reported Sr backgrounds in natural soils (Kabata-Pendias 2010). However, in some calcareous  
10 soils and soils from industrial regions, higher Sr contents have been reported (Alekseenko and  
11 Alekseenko 2014). Its various compounds are broadly used in the manufacturing of ceramics and glass  
12 but small amounts of Sr can also be found in sedimentary rocks in association with gypsum, anhydrite,  
13 rock salt, limestone and dolomite (WHO 2010). In both cases, in the whole fraction of the studied soils,  
14  $[\text{Ca}]/[\text{Sr}] > 8$ ; which is considered as a criterion for the absence of toxicity (Kabata-Pendias 2010).  
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21 It is not possible to study Ba with XRF analysis. The  $L_{\alpha}$  and  $L_{\beta 1}$  peaks are overlapped by the Ti  $K_{\alpha}$  and  
22 Ti  $K_{\beta}$  peaks. Its  $L_{\beta 2}$  emission is disturbed by iron backgrounds (Fig. 3 and Fig. 4). Chemical analyses  
23 show that for both materials, Ba contents are higher in the intermediate and coarsest fractions than in  
24 the finest fractions. But, geochemical behavior of Ba is not well described (Kabata-Pendias 2010) and  
25 the measured amounts are not abnormal (WHO 1990; Alekseenko and Alekseenko 2014). In both  
26 materials, the ratio  $\text{Ba}/\text{Sr} < 1$ , which reflects that Ba and Sr are probably bared by different phases  
27 (Vodyanitskii et al. 2010).  
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#### 32 -Summary of elemental distribution in the granulometric fractions

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35 The elemental analyses on the granulometric fractions highlight that both materials exhibit evidence of  
36 anthropic inputs as shown by the high occurrence of Si, C (organic and inorganic), Fe, S and several  
37 trace elements. Furthermore, it remains to be demonstrated, but the specific distribution of Al and Ti  
38 could be interpreted as further evidence of anthropic inputs. The linkage between XRF and ICP-OES  
39 measurements highlight the occurrence of highly concentrated hot spots for some trace elements (Pb,  
40 Cu, Cr).  
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#### 47 3.2.2 *Artefact families*

##### 48 -Gravels ( $R_u$ )

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51 Ignition does not have a significant impact on gravels in terms of LOI and particle density (Table 2). XRF  
52 and ICP-OES analyses show that  $R_u$  families from both soils are very close (Fig. 7 and Fig. 8). Major  
53 constituents are Si, Ca and Fe. The occurrence of Mg, Al, S, K, Ti, Mn, Ni and Sr is also observed.  
54 These results are in accordance with the history of both sites. Imported gravels for backfilling are  
55 siliceous phases and calcium carbonate phases. FeO minerals constitute around 1% for both soils.  
56 Analyses with ICP-OES (Fig. 8) also highlight the occurrence of Al, Mg, Na, P, S and Ti in similar ranges  
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for both matrixes. Considering their relative contents, Al and Na may come from feldspar minerals. Ti may be in the form of  $TiO_2$  and sulfur may be in the form of gypsum.

In SB, elemental correlations from XRF analyses (see ESM) highlight that P and Si are negatively correlated,  $R_{(Si, P)} = -0.81$ . This means that P is not linked to silicate. They also show that,  $R_{(Si, Ca)} = -0.77$ . That means that Ca and Si tend to be independent, as suggested by the occurrence of siliceous phases and calcium carbonate phases. But the correlation is small, which suggests the occurrence of Ca-Si minerals like Ca-feldspars (e.g. anorthite  $CaAl_2Si_2O_8$ ). In SI, no elemental correlations could be found based on XRF analyses. Amounts of chromium and strontium are higher than 100 mg/kg<sub>dm</sub>. Other metalloids (Ba, Cu, Ni, Pb and Zn) are present with trace amounts.

#### -Slags

- Non-magnetic slags (SNF)

XRF signal from the SNF families' exhibit some similarities (Fig. 7). For both soils, Mg, Al, Si, K, Ca, Ti, Cr, Mn, Fe, Ni Cu, Sr are found in this family. This artefact is also the main carrier of carbon and all carbon is organic (Fig. 8). This explains the high value of LOI and the significant increase in particle density with ignition (Table 2). Despite the similarities between the two soils, numerous differences remain. Firstly, chemical analyses show that the amounts of major and intermediate elements are not similar in the soils. Specifically, the amount of  $CO_{2TOT}$  in SB is highly higher than in SI. Secondly, for SI, the SNF family carries a high amount of Zn and Pb while it is not the case for SB. In a similar way, amounts of barium, copper and vanadium are lower in the SNF family of SB. On the contrary, nickel is more present in the SNF family of SB.

In SB, elemental correlations from XRF analyses highlight that Si, Fe Al, K, Ti and Ni are correlated with Ca with  $R_{(Ca, Si-Fe-Al-K-Ti-Ni)} > 0.80$ . It must be noted too that  $R_{(Si, Al)} > 0.90$ . Close correlations are also identified in SI, with Mn instead Ti and Ni with  $R_{(Ca, Si-Fe-Al-K-Mn)} > 0.8$ . It is also interesting to note that Ti is still correlated with K and Fe, with  $R_{(Ti, K-Fe)} > 0.80$ . As for SB,  $R_{(Si, Al)} > 0.90$ , but this time, K show a very strong correlation with Fe and Al with  $R_{(K, Fe-Al)} > 0.90$ .

All these results show that the source of these slags is not the same for the two matrixes. Nevertheless, they are quite close and these analyses suggest that they contain at least one common organo-mineral phase, with mineralogy composed of a Ca-Si-Al-Fe-K-Ti cluster. This kind of relationship is commonly found in biomass ash (e.g. municipal solid wastes, refuse-derived fuel, coal, sewage sludge). Fe-Si-Al-Ti, Ca-Mg-Mn and K-P-S-Cl complexes are usually considered as end-members in ash classification (Ollila et al. 2006; Adnan et al. 2013; Vassilev et al. 2013; Folgueras et al. 2017). These phases are often enriched with pollutants such as trace elements and sulfur (Vassilev et al. 2009, 2013). Note that barium is regularly observed in landfill sites (Burlakovs et al. 2016; Jani et al. 2016) and can be linked as barium sulfate to bottom ash (Rigo et al. 2009). Vanadium is also commonly found in slags (Chaurand et al. 2006, Tossavainen et al. 2007).

○ Magnetic slags (SF)

.XRF signals from the SF families' exhibit (Fig. 7) some similarities between the two materials. Amounts of iron are very high. Some elements are also common for both soils: Al, Si, S, K, Ca, Ti, Cr, Mn, Ni, Cu, Rb, Sr and Zr. For both cases, a structure at 12.8 keV near the Pb  $L_{\beta}$  peak is not identified. It could be the thorium  $L_{\alpha}$  peaks but other distinctive features ( $L_{\beta}$  and M) are not observed or are lost in other signals (e.g., Th  $L_{\beta}$  in Zr  $K_{\alpha}$ ). The amounts of elements are different. Calcium and copper contents seem higher in the SF family of SI and the SNF family contains Zn and Pb, yet SB does not. Chemical analyses confirm that iron is the major element but its content is 12 % higher in the SF family from SB. On the contrary, the amounts of  $CO_{2TOT}$  are 8% higher in the SF family from SI. These results are in accordance with observations on LOI and  $\rho_d$  (Table 2). Amounts of major and intermediate elements in the two SF families are different too, so there are similarities but the accurate speciation of SF in the two materials is different.

On the other hand, the SNF family and the SF family seem to be very similar in the in two materials. First, in both a very large part of the carbon is organic. Second, they carry the main part of trace elements. Finally, for the SI, elemental correlations from XRF analyses highlight that Ca, Si, Fe, Al, K, Ti and Ni are strongly correlated with correlation coefficients R around 0.90 regardless of element studied. S is also linked to this complex with  $R_{(S,Ca-Si-Al-K)} > 0.80$ . As for SNF, this is still typical of biomass ash mineralogy (Vassilev et al. 2009, 2013). It suggests that the origins of slags are similar, regardless of their magnetic behavior. Unfortunately, elemental correlations from XRF analyses were not performed for the SF family in material SB.

-Concrete products ( $R_c$ )

XRF spectra of  $R_c$  are similar for the two materials. The following elements are present in both matrixes: Al, Si, S, K, Ca, Ti, Cr, Fe, Fr and Zr. Additionally, Cu and Zn are found in the  $R_c$  family of SI. Chemical analyses of major elements (Fig. 8) show that this family exhibits similar features for the two materials. Specifically, relative contents of  $SiO_2$  and CaO are around 60% and 15%. In most cements, percentage of CaO is around 60%, while percentage of  $SiO_2$  is around 20%. The cement represents around 15-20% of the concrete dry matter, it appears that used materials in concrete were highly siliceous. Considering the calcareous geology of the Paris Basin (BRGM 1973), silica probably comes from sand-lime materials from the Seine River. Since the eighties, it has been forbidden to use the river material for concrete production. This point highlights that in both cases, concrete products date from earlier.

Moreover, for both materials, the amounts of  $CO_{2org}$ ,  $SO_2$ , FeO (and  $CO_{2inorg}$  for  $R_c$  in material SI) are a bit high for concrete products.  $SO_2$  and FeO could come from cement phases. However, the amounts of intermediate elements show that S and Fe have another origin than cement (Saiz Matrinez et al. 2016). In accordance with the excess of  $CO_2$  and the occurrence of Zn and Cu in SI and Ba in both SB and SI (Fig. 9), we can suggest that these occurrences result from the presence of slags in this family. This supposition is confirmed by correlation from XRF analyses. In the  $R_c$  family of material SI, Si, Al and S are correlated with  $R > 0.8$ , as in the SF family. It is also interesting to note that  $R_{(Ca,Si-Al-S-Mn)} > 0.7$ . A close

1 correlation of 0.8 between these elements is found in the SNF family. This mixing probably comes from  
2 the sorting process. In practice, it is visually difficult to distinguish the families of small particles. This is  
3 especially noticeable for SI, with low  $R_c$ . It may have been complicated to exclusively select particles of  
4 this family, without any contamination from the dust of the other families. This is confirmed by LOI  
5 measurements (Table 2). It cannot be explain only with the loss generally attributed to non-evaporable  
6 water for this kind of material (Haecker et al. 2005; Asaruka et al. 2008).  
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#### 9 -Gypsum components ( $G_y$ )

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11 Ignition has a clear impact on these artefacts in terms of loss and densities, as does drying temperature  
12 (Table 2). They gain more than  $0.4 \text{ g/cm}^3$  after calcination. These results are in accordance with the  
13 knowledge on the relationship between LOI and gypsum material (Santisteban et al. 2004; Chindaprasirt  
14 et al. 2011). As for previous families, the two XRF spectra are very close (Fig. 7). Major elements in the  
15 spectra are S, Ca, Si, Fe and Sr. Traces of Ti, Cr, Mn, Ni and Zn were detected. In accordance with  
16 these results, chemical analyses on major elements show that Ca and S are the major components (Fig.  
17 8). In addition, elemental correlations show that they are highly correlated ( $R_{Ca-S} > 0.9$ ). The amounts of  
18  $\text{CO}_{2\text{inorg}}$  are not negligible and it shows that calcareous materials can be found in  $G_y$ . This is also  
19 confirmed by the amount of Mg. This suggests the occurrence of a dolomite-like mineral ( $\text{CaMg}(\text{CO}_3)_2$ )  
20 in both matrixes. Sr levels are high (Fig. 9): 1,155 and 1,310  $\text{mg/kg}_{\text{dm}}$  in the  $G_y$  families of SB and SI  
21 respectively. This association between gypsum and strontium in brine media, such as the Paris Basin,  
22 is common (Kushnir 1980; Fontes and Matray 1993; Rosell et al. 1998). Therefore, the occurrence of  
23 this element can be considered as resulting from the geological background.  
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#### 32 -Terracotta units ( $R_b$ )

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34 In both cases, bricks amounts are very small. XRF analyses show the noticeable occurrence of Mg, Al,  
35 Si, P, S, K, Ca, Ti and Fe (Fig. 7). These elements are commonly found in ceramics. In terms of major  
36 and intermediate elements, amounts are in accordance with chemical composition of bricks (Cultrone  
37 et al. 2001; Lin et al. 2010) but they show that bricks do not have the same origin depending on the  
38 material (Fig. 8). XRF analyses also highlight the occurrence of trace elements such as Cr, Mn, Ni, Cu,  
39 Zn, Pb, Sr and Zr. Chemical analyses show the presence of barium and vanadium (see ESM). In both  
40 materials, Ba, Cr and V show noticeable amounts. SI also has noticeable zinc and lead contents (Fig.  
41 9). These elements occur because of a small contribution of the dust from other artefacts, especially  
42 slags and gypsum.  
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#### 49 -Aggregated fine soil ( $X_1$ )

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51 For the two materials, the XRF signal from the  $X_1$  family is superimposed onto the XRF signal of the  
52 whole material (Figs. 3, 4 and Fig. 7). For SB, on average, the elemental content ratio of the whole  
53 material over this artefact scores 1.20 (standard deviation = 0.78) versus 1.07 (0.51), 0.86 (0.35) and  
54 1.08 (0.55), when considering the ratio between the whole material and its fine, intermediate and coarse  
55 fractions, respectively. For soil SI, the ratios become 1.02 (0.37) against 1.05 (0.34), 1.15 (0.65) and  
56 1.18 (0.89). These results suggest that  $X_1$  is close to the fine fraction. High levels of trace elements and  
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LOI and  $\rho_d$  measurements, which are characteristic of artefact families (Fig. 9), highlight that this fraction is a mix between anthropic and natural material, as suggested for the fine fraction of landfill materials (Jain et al. 2005; Jani et al. 2016).

#### -Summary of the sorting test

The sorting test shows that both materials are a mix between natural gravels and anthropic material such as slags (magnetic and non-magnetic) and concrete products. Gypsum material present may be natural and/or anthropic. Linked with XRF and ICP-OES analyses, the test also shows that slags carry metallic and carbonaceous pollution and that gypsum components carry sulfur and strontium. Those results can be linked with physical considerations. Trends of Sr and Ni increasing with the amounts of fine grains (Fig. 6) should indicate that amounts of  $G_y$  and SF are higher in the intermediate and fine fractions than in the coarsest one. On the contrary, the trend of total carbon being lower in the finest fractions than in others may indicate that the amount of SNF in the whole material is lower than in the coarsest fraction. Finally, the artefacts defined as aggregated fine soils are a mix of all kind of artefact families. This  $X_1$  family is also close to the fine fraction original materials.

Interestingly, it has to be noted, that pollutant-bearing phases (SNF, SF and  $G_y$ ) exhibit noteworthy physical properties. With  $\rho_d=2.4 \text{ g/cm}^3$ , the densities of SNF and  $G_y$  are the lowest, while, in addition of its magnetic behavior, with  $\rho_d=3.7\text{-}4.0 \text{ g/cm}^3$ , the densities of SF are the highest.

## 4 Quantification of the contributions of artefacts to the granulometric fractions

Herein, we report how we tried to retrieve the percentage (in mass) of the artefacts that constitute the materials. To do so, we established a statistical link between the measurements for element content that characterize the artefacts and those that characterize the whole matrixes fractions to build a linear model using least absolute residual error (LAR) procedure. These represent the contribution (in mass) of the artefacts to the whole mixture and are discussed below. We address data consistency by comparing the measure values and the predicted values using LAR procedure for the whole matrixes.

### 4.1 Determination of outliers in measured data

As fitting approaches are very sensitive to outliers, they must be identified at first to be discarded for the statistical procedure. To do so, we firstly computed the equivalent value for the whole matrixes ( $\text{Meas.}_{\text{SieveRec}}$ ) from specific values obtained for the granulometric fractions ( $\text{Meas.}_{<80\mu\text{m}}$ ,  $\text{Meas.}_{80\text{-}400\mu\text{m}}$ ,  $\text{Meas.}_{>400\mu\text{m}}$ ) and considering their mass ratios:

$$\text{Meas.}_{\text{SieveRec}} = 37 \% \text{ Meas.}_{<80\mu\text{m}} + 16 \% \text{ Meas.}_{80\text{-}400\mu\text{m}} + 47 \% \text{ Meas.}_{>400\mu\text{m}} \text{ (mat. SB)}$$

$$\text{Meas.}_{\text{SieveRec}} = 32 \% \text{ Meas.}_{<80\mu\text{m}} + 19 \% \text{ Meas.}_{80\text{-}400\mu\text{m}} + 49 \% \text{ Meas.}_{>400\mu\text{m}} \text{ (mat. SI)}$$

1 Theoretically,  $Meas_{SieveRec}$  should match the set of measurements done on the whole fraction  
2 (Meas<sub>WM</sub>). For both materials SB and SI, the relative errors between  $Meas_{SieveRec}$  and Meas<sub>WM</sub> were  
3 computed to assess the consistency between the two measures and are depicted in Fig. 10. Any given  
4 measurement is considered as an outlier when its ratio exceeds 20 % in absolute value.  
5

6 For SB, thirteen measurements out of twenty-seven were of concern, specifically trace elements such  
7 as Ba, Cd, Cr, Cu, Mn, Mo, Pb, V and Zn. These results highlight previous observations about the  
8 occurrence of rich spots. Measurements for silicon content and LOI at 450 °C and 550 °C also had  
9 inconsistency. Carbon-rich slags were probably present in the sample of the whole material. The S  
10 measurement must also be considered as outlier. This is a bit surprising because S is mainly borne by  
11 gypsum as strontium and calcium and these two last give consistent measurements. The sum of  
12 percentages of the rest (i.e. the data that ensures a relative error lower than 20 %) scores 38 %, which  
13 is indicative of the correctness of the data.  
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19 For SI, fewer measurements are inconsistent. Trace metallic elements such as Ba, Mo, Pb and Zn were  
20 still found as outliers. LOI at 450 °C was also of concern, but it is close to the boundary, with 21 %. Two  
21 intermediate elements Ti and P can be defined as outliers. The correctness of the data is 153 %.  
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## 27 **4.2 Results of least absolute residuals (LAR) procedure**

28 For both materials,  $X_1$  is close to the original material. To avoid problems linked to redundant data and  
29 related non-uniqueness of estimated parameters, we decided to avoid the implementation of this family  
30 in the statistical procedure. Initial calculation conditions were the amount of each artefact family in the  
31 granular fraction (Table 1) weighted by the lack of  $X_1$ . They are respectively for SNF, SF,  $R_u$ ,  $G_y$ ,  $R_b$  and  
32  $R_c$ :  
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- 38 - In SB: 30.5 %, 5 %, 36.5 %, 4.7 %, 2.2 % and 21.2 %.
  - 39 - In SI: 20 %, 2.1 %, 65.4 %, 7.4 %, 2 % and 3.2 %
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### 45 *4.2.1 Calculations without constraints*

46 Results of mathematical regression without constraint are summarized in Table 3. TOT is the sum of  
47 the artefact weights. Exact. is the sum of distances between the model and the experimental  
48 measurements (expressed in percent). It quantifies the exactness or sensitivity of the model to compare  
49 with the correctness of the data.  
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54 Not all the results are physically relevant, but some interesting information can be tapped. In the case  
55 of SB, the exactness of the model is between 90 and 280 %. For SI, the exactness is around 300 % with  
56 an exception for the fine fraction that exhibits a value of 650 %. It is higher than the correctness of the  
57 data but the order of magnitude is the same (less than 10 times higher). Interestingly, in both cases, the  
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sum of artefact weights are relevant for a non-constrained approach. And even more, 5 reconstructions on 8 give sums of artefacts that are less than 10 % far from 100 %.

- Reconstruction of granulometric fractions of SB

In all the granulometric fractions, determined amounts of SNF and SF are relevant with initial conditions of calculations (i.e. the amount of each artefact family in the granular fraction).

With extreme values, amounts of  $R_c$ ,  $R_u$ ,  $G_y$  and  $R_b$  in the coarsest fraction ( $>400 \mu\text{m}$ ) are clearly not relevant. In the three other fractions, calculated amounts of  $R_u$  are satisfying. Amounts of  $R_c$  are also satisfying in the intermediate fraction but they are too far from initial conditions of calculations in the fine fraction and in the whole material. Amounts of  $G_y$  are relevant in the whole material and intermediate fraction, but clearly too high in the fine fraction. For  $R_b$ , amounts are relevant in the whole material and in the fine fraction.

- Reconstruction of granular fractions of material SI

In the whole material, amounts of SNF, SF and  $R_u$  are relevant with initial conditions, even if occurrence of  $R_u$  is a bit low. However, the amounts of  $R_c$ ,  $G_y$  and  $R_b$  are clearly wrong.  $R_c$  is far too high in the granular fraction. By contrast, the reconstruction of the  $<80 \mu\text{m}$  fraction is satisfying for all artefacts. In the  $80 - 400 \mu\text{m}$  fraction, the amounts of SNF, SF are relevant with initial conditions. The amount of  $R_u$  is a bit low, while the amounts of  $G_y$ ,  $R_c$ ,  $R_b$  are too high. In the coarsest fraction, except for  $R_u$ , which is a bit low, all amounts are relevant with CI.

#### 4.2.2 Calculations with constraints

For this computation, we considered for the new initial conditions the results of the LAR procedure without constraints, which are detailed in Table 3. The first constraint is that all total sums (TOT) have been set to 100%. Then, based on previous observations and chemical results, other constraints have been determined for calculations. Results are detailed in Table 4.

After calculations, in the case of SB, the exactness is around 1 to 1.5 times higher than the exactness of the modeling without constraints, except for the coarse fraction, 2.4 times higher. For SI, the exactness is very close to that of the modeling without constraint.

- Reconstruction of granular fractions of SB;

For the whole material, WM, the results from simulation without constraint were satisfying, except the amount of  $R_c$  that was too high. Therefore, for this new simulation, the amount of  $R_c$  has been set less than 25 %, which is consistent with the amount of  $R_c$  in the granular fraction. Constrained results are very close to non-constrained results (Tables 3 and 4) with less than 4 % of difference. This shows that for the whole material, running the LAR procedure with constraint did not significantly change the procedure.

1 For the reconstruction of the <80  $\mu\text{m}$  fraction, based on the good results for WM, the amounts of SNF,  
2 SF and  $G_y$  have been set based on chemical analysis. For SNF, the chosen chemical marker was  
3 organic carbon. The ratio of this element between the fraction WM and the fraction <80  $\mu\text{m}$  is 1.7.  
4 Consequently, the amount of  $C_{\text{org}}$  in SNF was set at 12.2%. This value is close to that obtained with  
5 unconstrained LAR, i.e. 10.1 %. Likewise, for the SF family, the chosen chemical marker was nickel.  
6 The ratio between the two fractions is 0.7. The amount of SF was consequently fixed at 13.5 %, which  
7 is also in agreement with the previous results from unconstrained LAR (i.e. 6.6 %). For the  $G_y$  family,  
8 the chosen chemical marker was Sr. The ratio is 0.7. The amount of  $G_y$  was then set at 14.3 %, which  
9 is also close to the previous results (i.e. 19.1 %). Finally, to avoid divergence of calculation, the amount  
10 of  $R_b$  was set < 5 %. The amounts of  $R_u$  and  $R_c$  are then 37.5 % and 17.2 %. For  $R_u$  the result is close  
11 to the previous unconstrained LAR results.  
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17 For the reconstruction of the 80 – 400  $\mu\text{m}$  fraction, following the same approach applied to the case of  
18 the fraction <80  $\mu\text{m}$ , the amounts of SNF, SF and  $G_y$  were set at respectively 23.2 %, 6.4 % and 8.3 %.  
19 All set amounts are close to the results obtained with the unconstrained LAR. The amounts of  $R_u$ ,  $R_b$   
20 and  $R_c$  are predicted at 32.1 %, 0 %, and 29.2 %. About  $R_b$ , as previously mentioned, the null value  
21 obtained results from the lack of sensitivity of the approach. The amount of 29.2 % for  $R_c$  on the <80  $\mu\text{m}$   
22 fraction is a bit high but can be considered as satisfying, regarding the respect of the threshold of 25 %  
23 set for the whole material. Lastly, the result is relevant for the  $R_c$  family.  
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27 For the reconstruction of the > 400  $\mu\text{m}$  fraction, still following the same approach, the amounts of SNF,  
28 SF and  $G_y$  were set at respective values of 23.2 %, 6.4 % and 8.3 %. As previously, the amounts of SF  
29 and SNF are close to that predicted by the unconstrained LAR. To avoid divergence, the amounts of  $R_c$   
30 were set at a maximum value of 25 %. The amounts of  $R_u$  and  $R_b$  are then 30.1 % and 7.0 %.  $R_u$  is in  
31 line with the previous results. Amount of  $R_b$  is also relevant, even if a bit high.  
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#### 33 - Reconstruction of granular fractions of SI

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35 For the whole material, the previous results of unconstrained LAR exhibit levels of  $R_b$  and  $R_c$  that are  
36 too high. So for this new reconstruction these two levels were set at less than 5 %. The new results on  
37 SF, SNF and  $G_y$  families are close to previous ones.  $R_u$  increases to 62.6 % from 44.1 %. This value is  
38 much more logical than the previous one, given the level of  $R_u$  in the granular fraction (65.4 %).  
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41 For the <80  $\mu\text{m}$  fraction, considering the satisfying reconstruction obtained without constraint, no  
42 constraint other than the total sum of 100 % was set. Results are really close to previous results with  
43 unconstrained LAR. The determination of the SNF amount by following organic carbon as chemical  
44 marker would lead to a value of 4.4 %. In the same way, the determination of the SF amount by following  
45 Mn and Cu (Fig. 6) as chemical markers would lead to a value of 8.6 %. Finally, the determination of  $G_y$   
46 amount by following Sr and S as chemical markers would lead to a value of 11.2 %. All these relative  
47 contents are really close to the values predicted by the constrained LAR procedure. These shows that  
48 results from constrained LAR are relevant with chemical analysis.  
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1 For the 80 – 400  $\mu\text{m}$  fraction, as for the WM, previous results of unconstrained LAR are too high for  $R_b$   
2 and  $R_c$ . So for this new reconstruction, these two levels were set lower than 5 %. New results on the  
3 amounts of SF, SNF and  $G_y$  families are close to previous results. Level of  $R_u$  increased to 63.2 %. This  
4 value is more relevant than the previous value from unconstrained LAR and more in accordance with  
5 the level of  $R_u$  in the granular fraction. Using the same chemical markers as for the  $<80 \mu\text{m}$  fraction, and  
6 using the amounts determined in the two previous fractions, the amount of SF would be between 3.3  
7 and 5.2 %. In the same way, the amount of SNF would be between 9.6 % and 11.2 %. Finally, the  
8 amount of  $G_y$  would be between 9.6 and 11.0 %. Briefly, like for the fine fraction, the results confirm  
9 those of the chemical analysis.  
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14 To avoid any divergence of calculation about the reconstruction of the  $>400 \mu\text{m}$  fraction, the amount of  
15  $R_b$  and  $R_c$  were set lower than 5 %. As in the 80-400  $\mu\text{m}$  fraction, the new results on SF, SNF and  $G_y$   
16 families are close to the results of unconstrained LAR. The level of  $R_u$  is increased with 61.1 % for the  
17 constrained LAR. One more time, such a value is more consistent with the level of  $R_u$  in the granular  
18 fraction, by contrast with the value obtained with the unconstrained LAR procedure. Using chemical  
19 markers and the satisfying results previously obtained for the WM and the  $<80 \mu\text{m}$  fraction, the amounts  
20 of SNF would be between 14.4 and 7.7 %; the amount of SF would be between 5.2 and 7.7 %; and  
21 finally, the amount of  $G_y$  would be between 7.1 and 10.3 %. For the SNF and SF families, the results  
22 from LAR are more relevant regarding the levels in the granulometric fraction.  
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#### 31 *4.2.3 Artefact distribution and limitations of the LAR approach*

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34 The unconstrained LAR procedure gives some relevant results (e.g. the sum of the amounts) but it must  
35 be constrained to allow discriminating analyses. For SB and SI, in addition to unconstrained procedure  
36 and chemical analyses, the LAR procedure shows that the SNF family is more present in the coarsest  
37 fraction than in the intermediate and fine fractions. The high interaction of Al and Ti with this family  
38 confirms that the specific distributions of these elements in the granulometric fraction of original material  
39 result from anthropic input. In comparison, the levels of SF exhibit opposite behaviors. Considering that  
40 primarily, the two artefacts could have a similar origin, we can state that after break-up, in term of  
41 weathering, SF are less stable than SNF. The LAR procedure also shows that levels of  $R_u$  increase with  
42 the fineness of the fractions as expected for a natural material. The tendencies are similar with gypsum  
43 that is known to be easily weathered with water (Eighmy et al. 1994).  
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50 Unfortunately, it is difficult to draw conclusions about the distribution of the families  $R_b$  and  $R_c$ . There is  
51 no dedicated chemical marker and only threshold can be used to constrain values. Moreover, the low  
52 levels of  $R_b$  and  $R_c$  in SI and  $R_b$  in SB clearly limit the effectiveness of the LAR procedure.  
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## 58 **5 Conclusions**

1 Both Technosols have a similar geological origin and were used as backfill for industrial purposes in the  
2 case of SB and an embankment/park area in the case of SI. After stripping of their surface, they still  
3 present significant levels of pollutants. This includes carbonaceous, sulfur and metallic pollutants. The  
4 XRF and ICP-OES analyses on the granulometric fractions highlight that both materials exhibit evidence  
5 of anthropic inputs. They also show that some metallic pollutants occur in the form of highly concentrated  
6 compounds.  
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9 After a sorting test on the granular fraction, both matrixes can be defined as a mix of construction and  
10 demolition wastes, natural gravels and industrial wastes. For both sites, industrial wastes are composed  
11 of slags and biomass ashes. They are carriers of carbonaceous and metallic pollution. These analyses  
12 highlight that for a given Technosol, origins of magnetic and non-magnetic slags are very close.  
13 Nevertheless, the occurrence of specific chemical markers show that the origin of the ashes is not the  
14 same for both Technosols. In both cases, gypsum components carry sulfur and strontium.  
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18 When linked with these elemental analyses, the least absolute residuals procedure shows that the  
19 artefacts and natural gravels are all present in the different granulometric fractions of the materials.  
20 When it is possible to constrain the procedure with physical considerations (e.g. chemical markers), it  
21 also allows us to quantify artefact distributions in the different granulometric fractions of the materials.  
22 As expected, the amounts of natural materials and gypsum components increase with the fineness of  
23 the fractions. For slags, the increasing occurrence of magnetic slag and the decreasing occurrence of  
24 non-magnetic slags with the fineness of the fractions suggests that the processes of weathering are not  
25 similar: carbonaceous slags are more stable than iron-enriched slags. This observation is in accordance  
26 with specific distributions of aluminum and titanium measured in the granulometric fractions of both  
27 materials.  
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30 This is interesting to note that for both whole materials, pollutant are only borne by three artefacts (SNF,  
31 SF and G<sub>y</sub>). These pollutant-bearing phases exhibit noteworthy physical properties ( $\rho_d$ ) that could be  
32 used during depollution process.  
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35 Finally, at the field scale, the sorting test is also a good way to easily estimate pollution levels in these  
36 Technosols, in spite of the fact that some amounts may be overestimated (carbonaceous slags) while  
37 others are underestimated (iron enriched slags and gypsum components).  
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49 **Acknowledgements** This work was supported by the French Ministry of Ecology, Energy, Sustainable  
50 Development and Spatial Planning and the French National Federation of Public Works. The manuscript  
51 benefited from comments and suggestions by two anonymous reviewers.  
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## FIGURE CAPTIONS

**Fig. 1** Sampling sites (top) and soils after excavation in the field (bottom). SB left and SI right

**Fig. 2** Particle size distribution and geotechnical identification parameters of the two materials

**Fig. 3** Mean XRF spectra in the whole material SB and in three granular fractions

**Fig. 4** Mean XRF spectra in the whole materials SB and SI

**Fig. 5** Occurrence of major chemical elements expressed in % of oxides in both materials, in the whole material and the three granular fractions

**Fig. 6** Occurrence of trace elements expressed in  $\text{mg}/\text{kg}_{\text{dry matt.}}$  in both materials, in the whole material and in three granular fractions

**Fig. 7** Mean XRF spectra of the artefacts of materials SB (solid line) and SI (dashed line)

**Fig. 8** Occurrence of major chemical elements expressed in % of oxides in artefacts from both studied materials

**Fig. 9** Occurrence of trace elements expressed in  $\text{mg}/\text{kg}_{\text{dm}}$  in artefacts from both soils

**Fig. 10** Ratios between the measurements on the whole material ( $\text{Meas.}_{\text{WM}}$ ) and the combination of measurements from granulometric fractions ( $\text{Meas.}_{\text{SieveRec}}$ ). SB, in blue, SI in brown



Figure 1

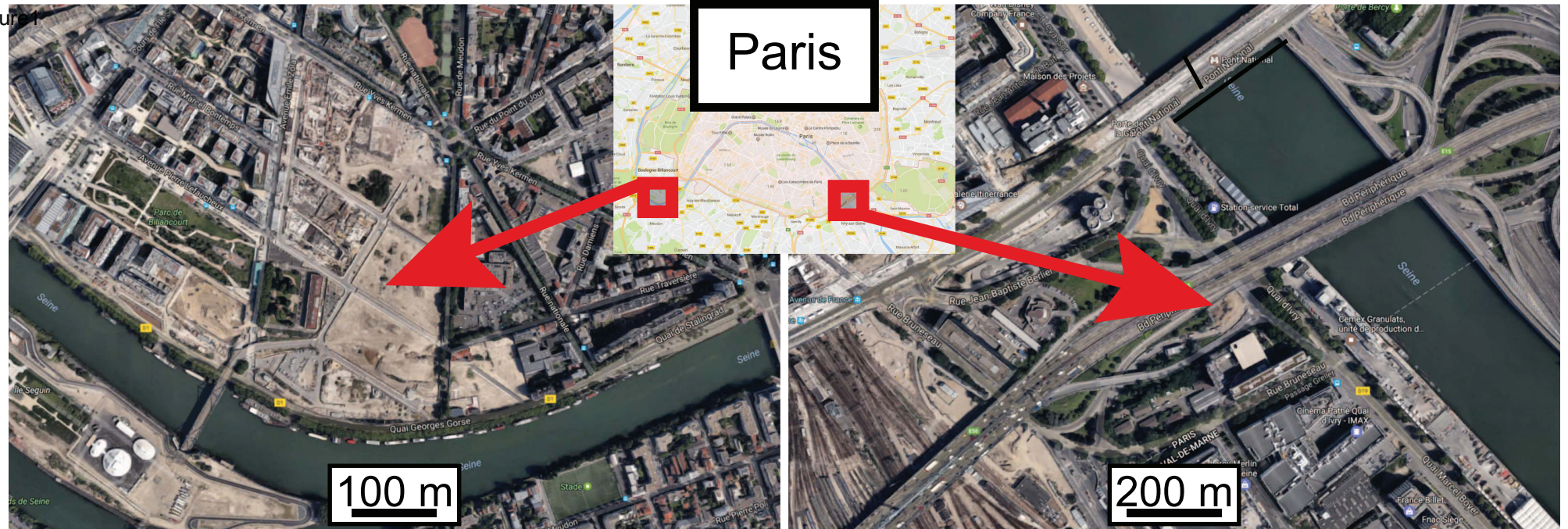




Figure2

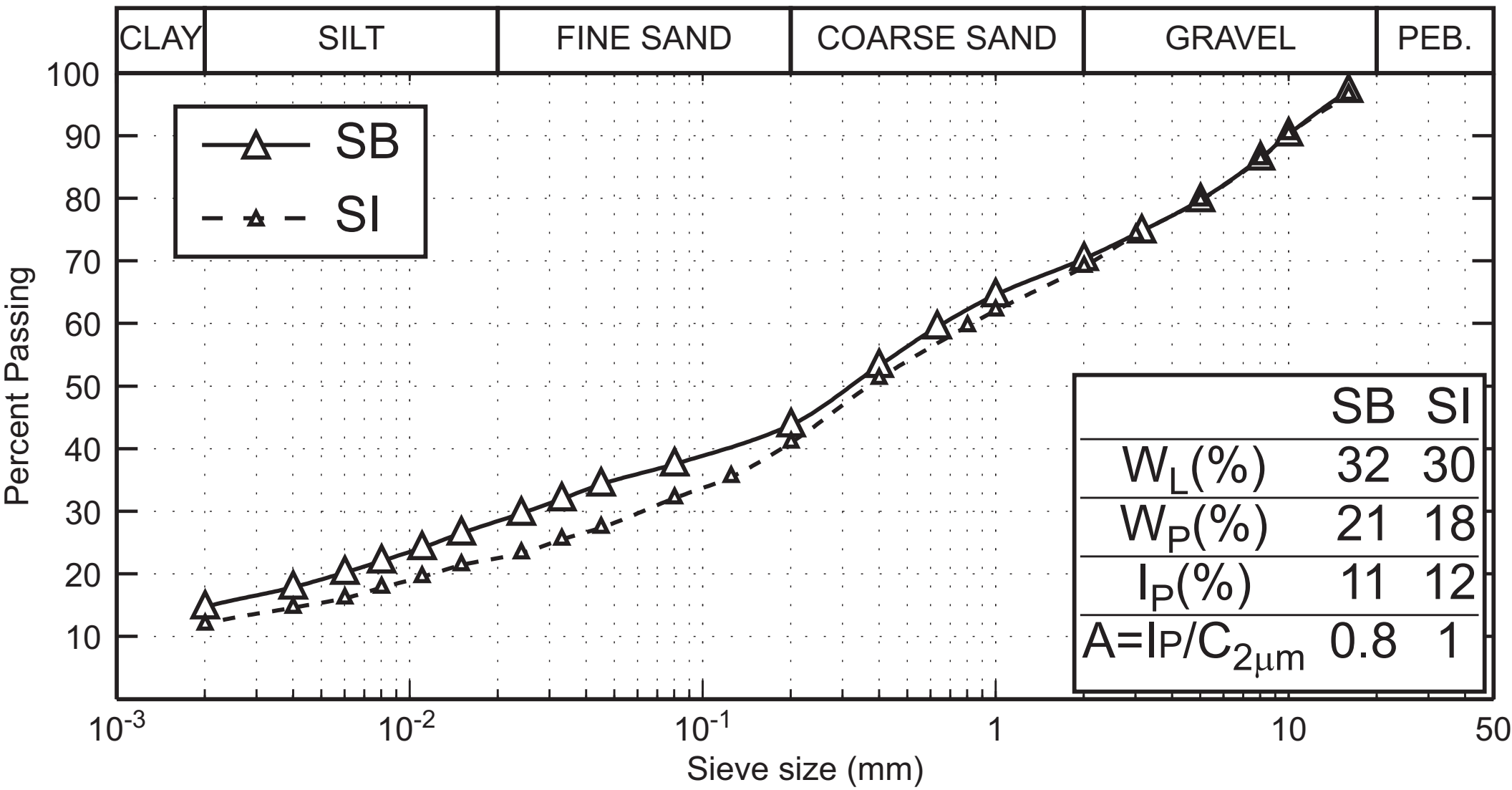


Figure 3

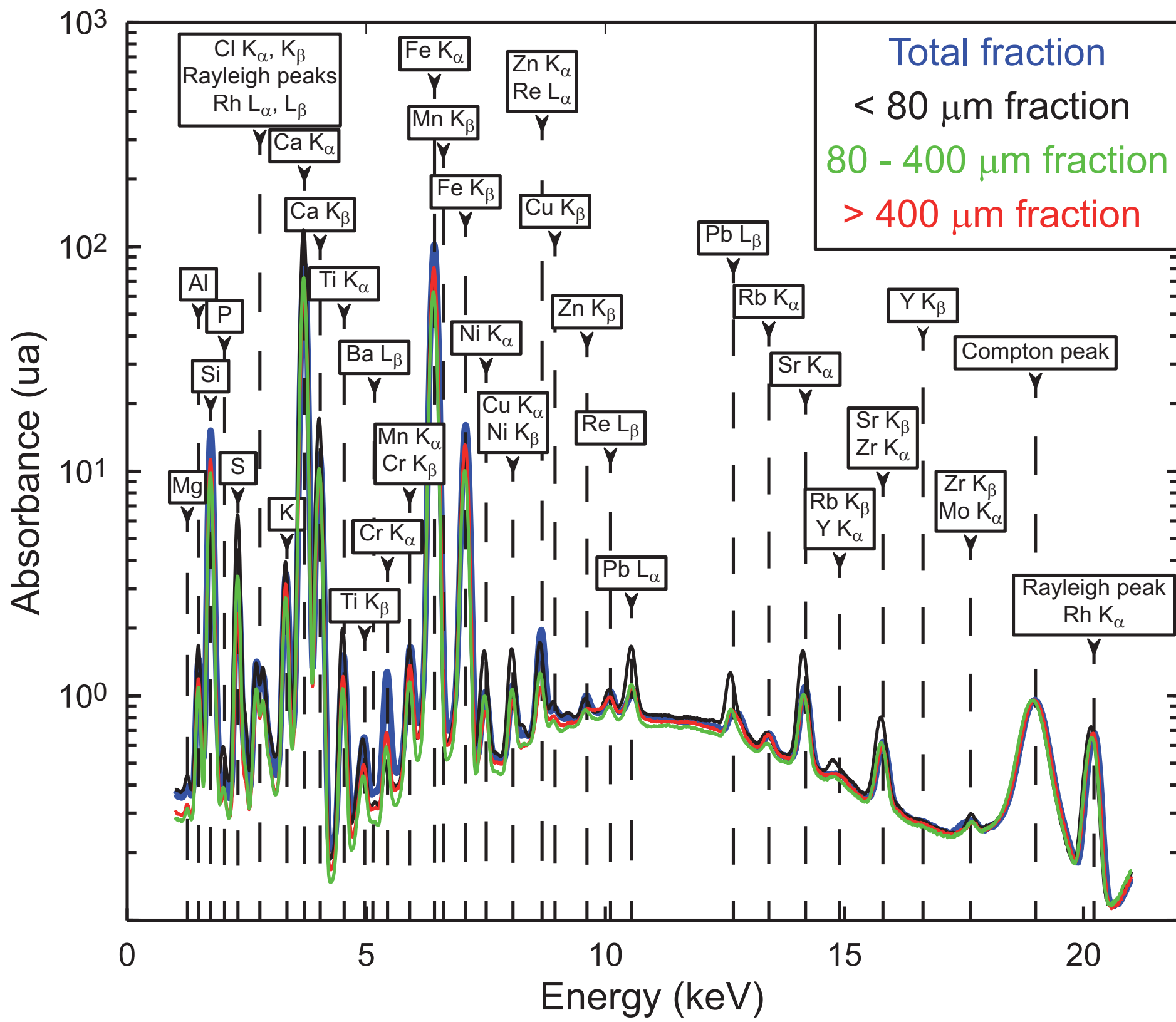


Figure 4

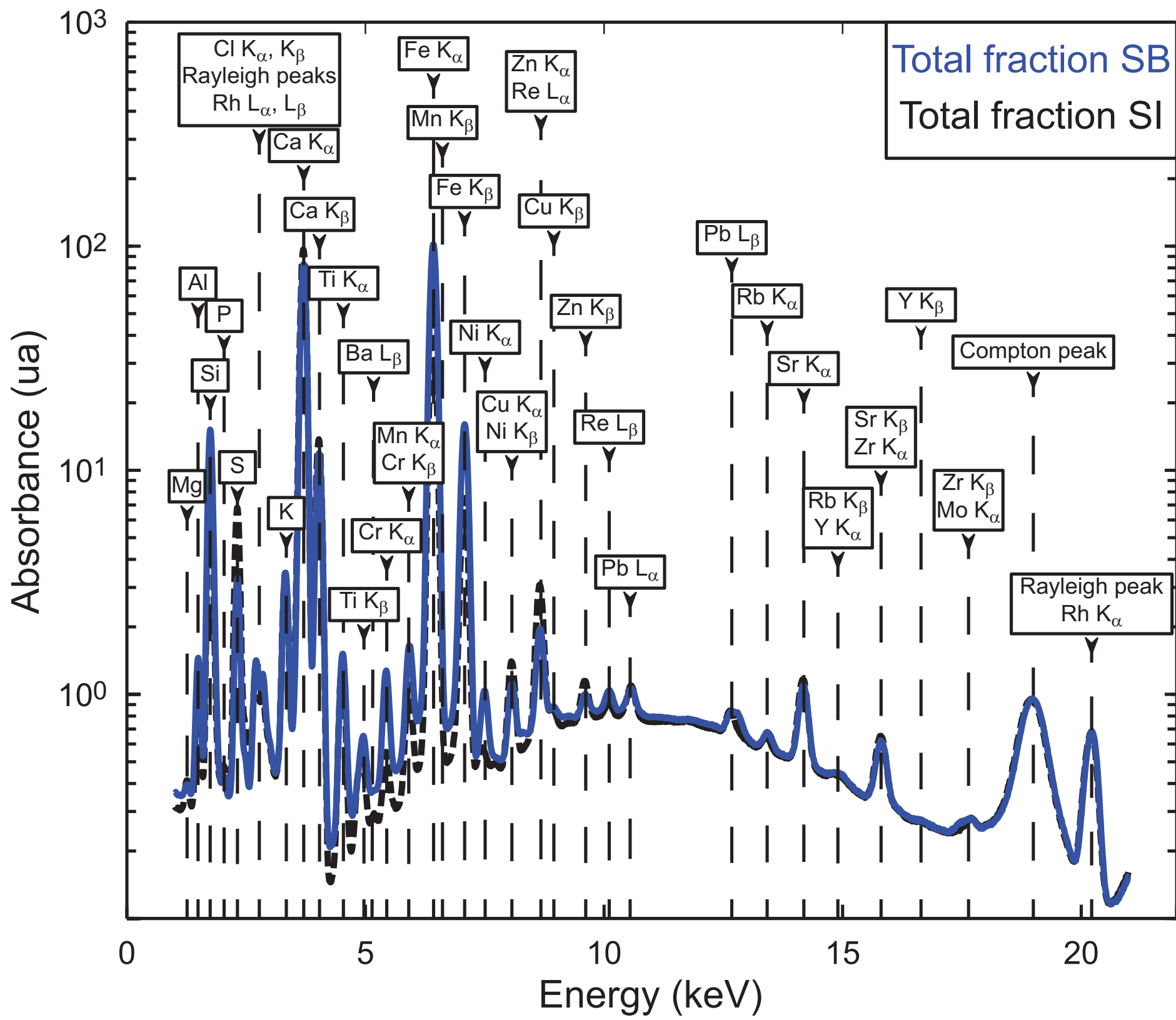


Figure 5

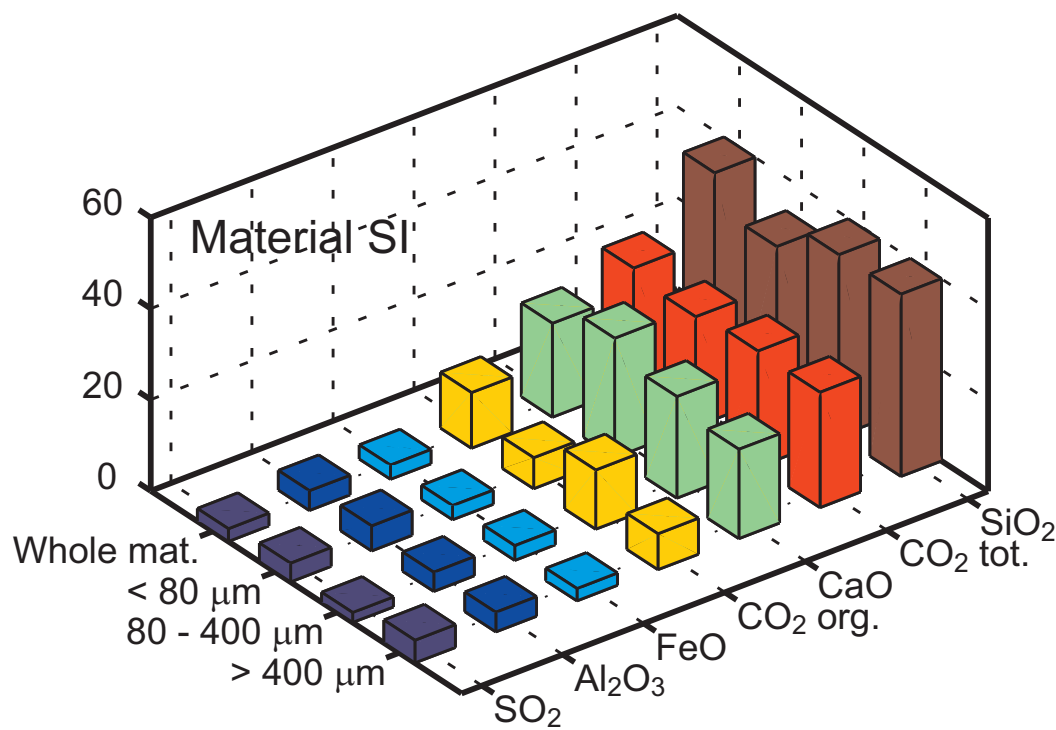
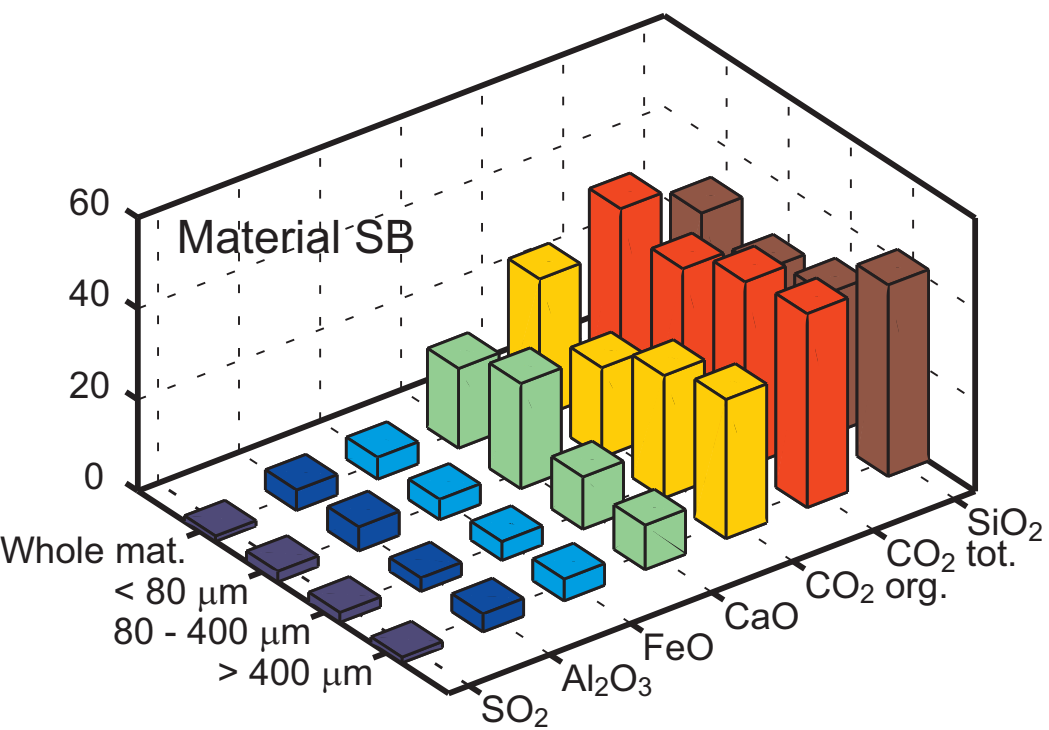


Figure 6

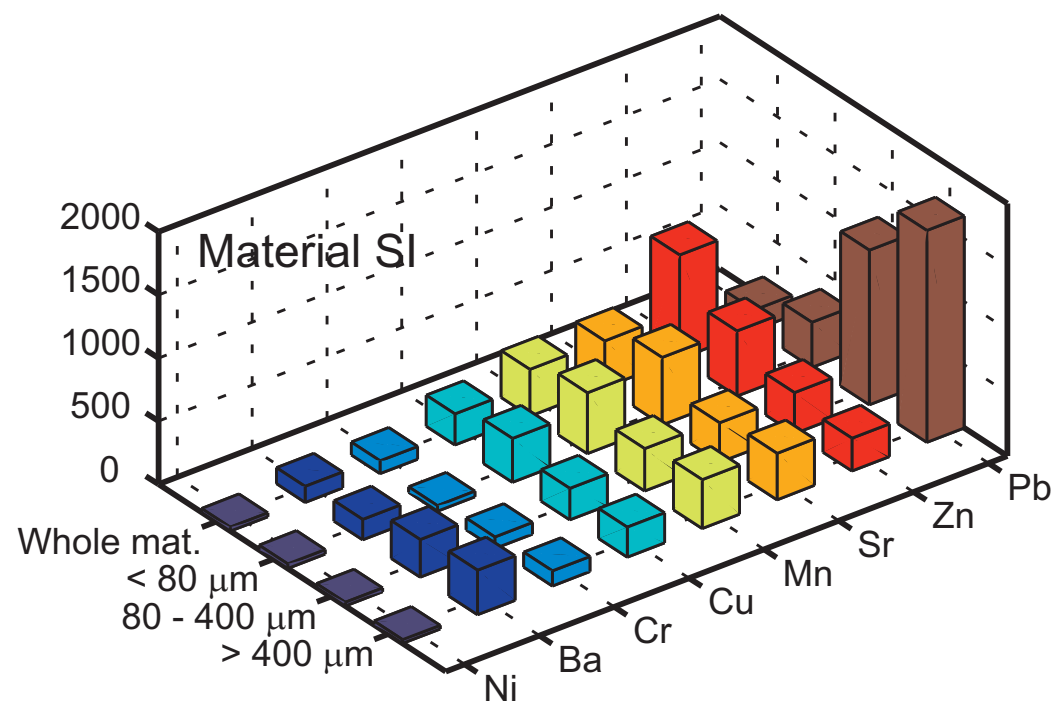
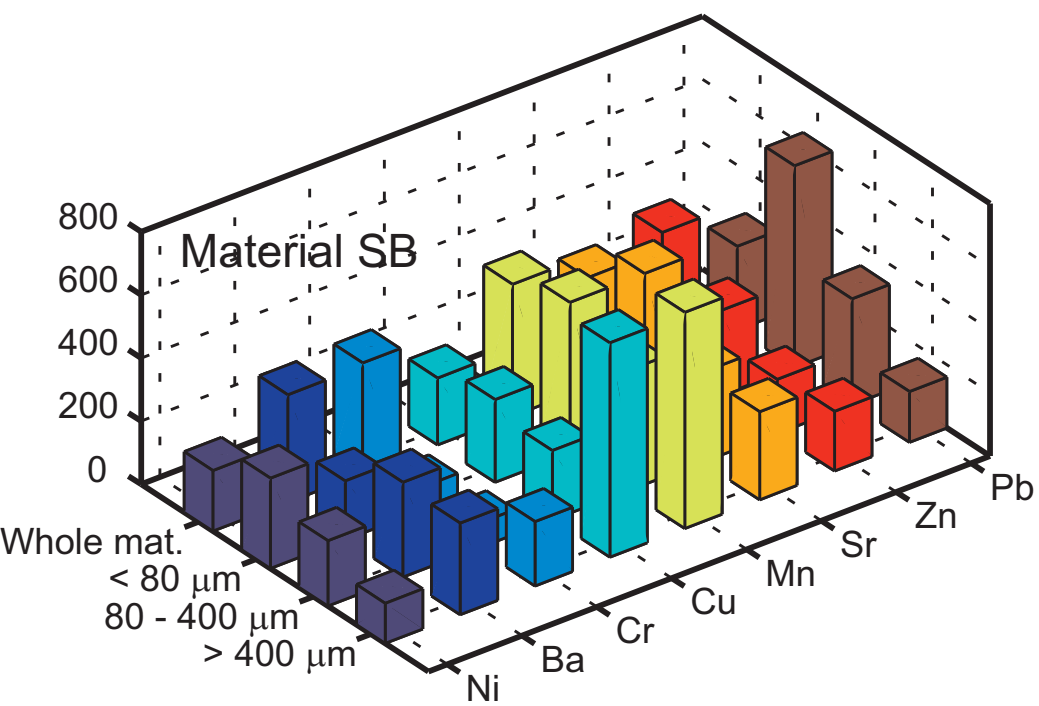


Figure 7

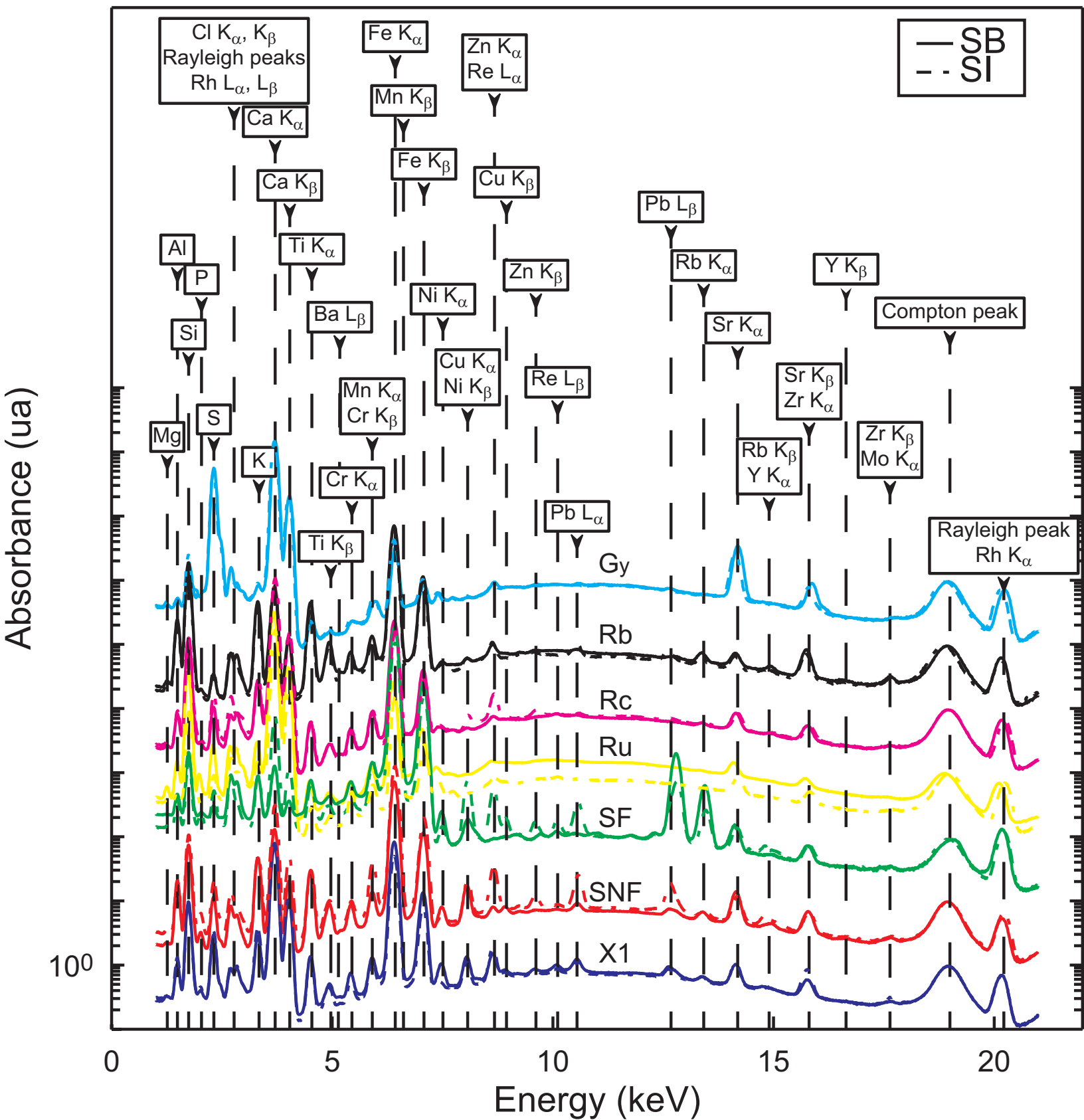


Figure 8

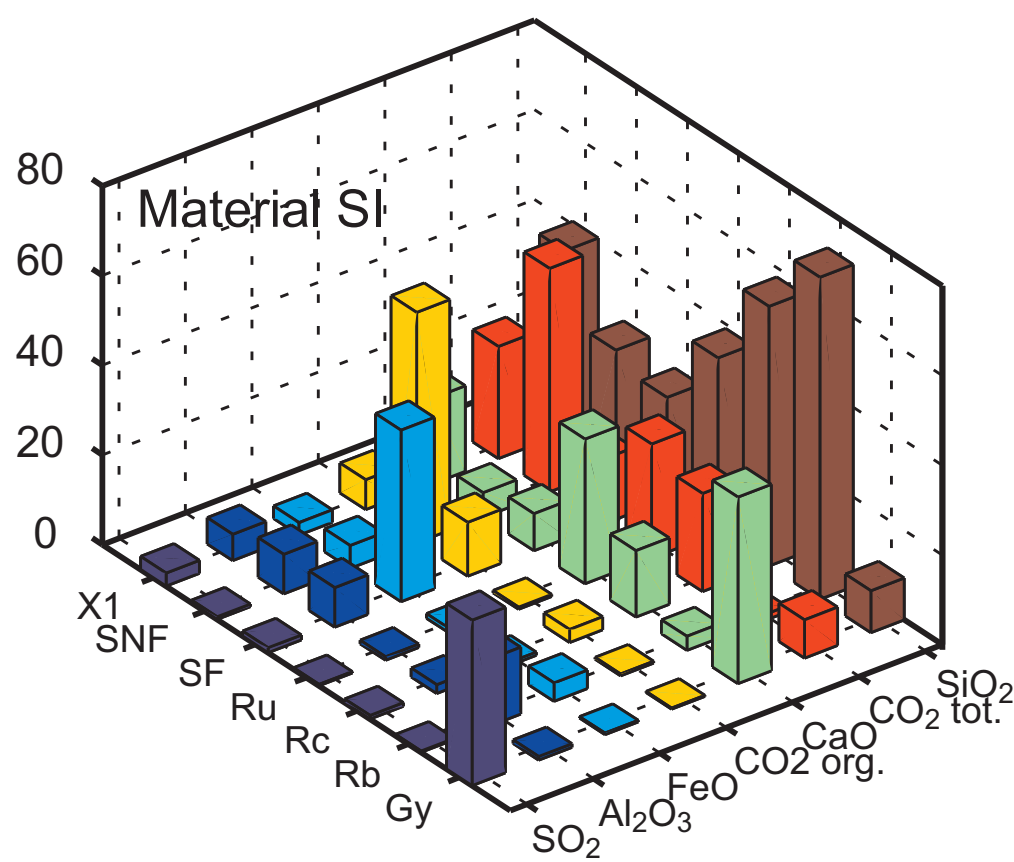
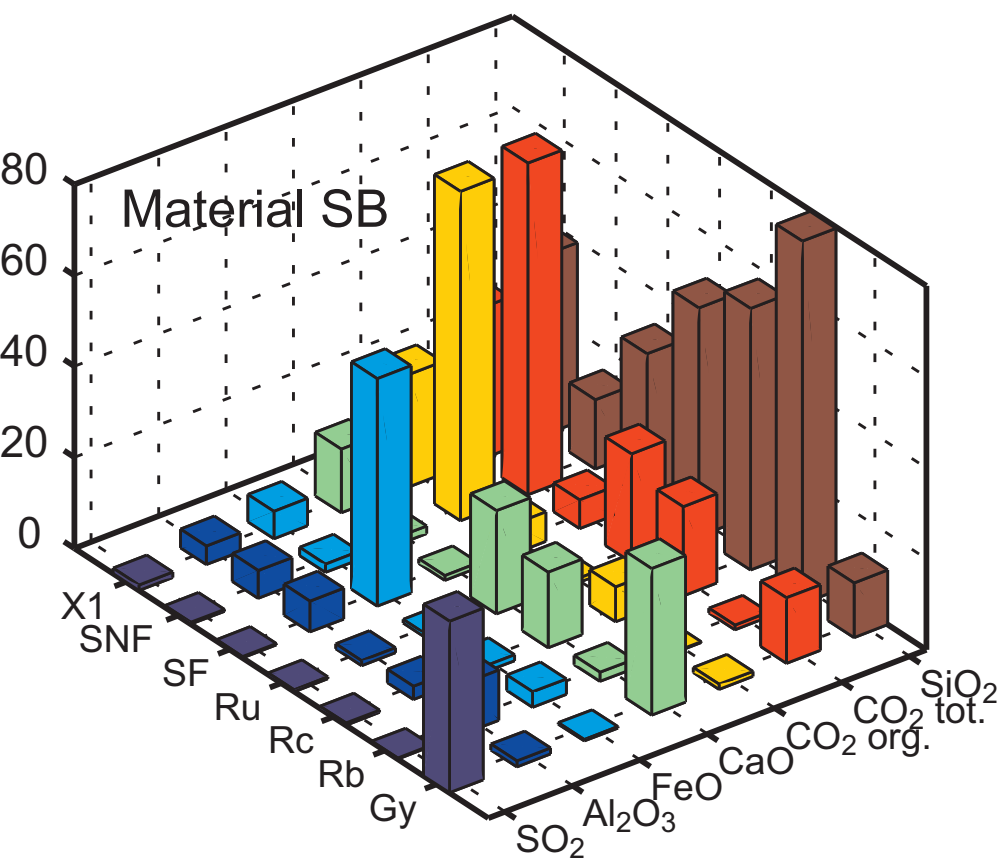


Figure9

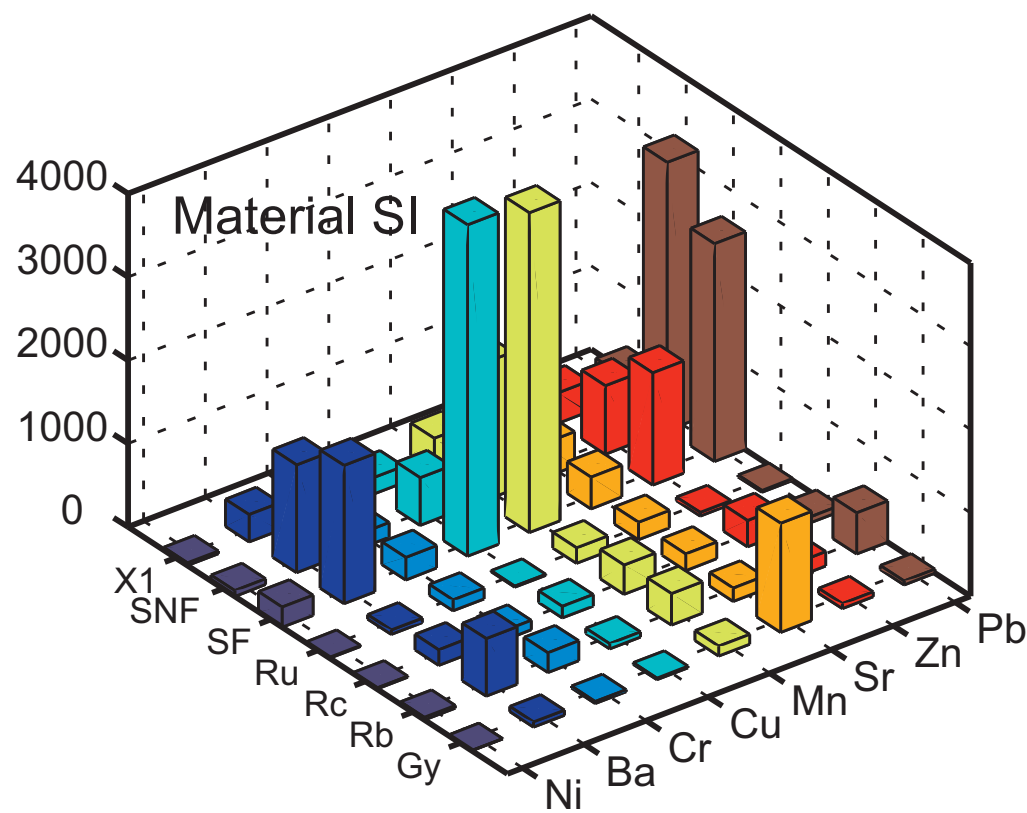
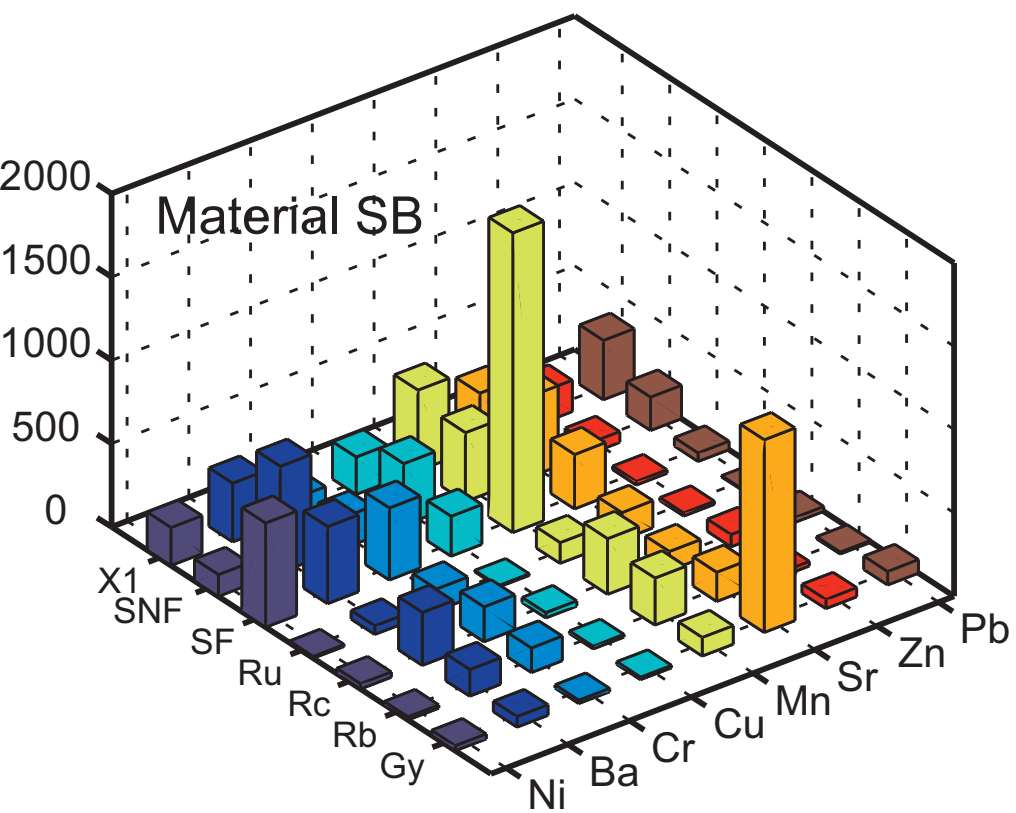
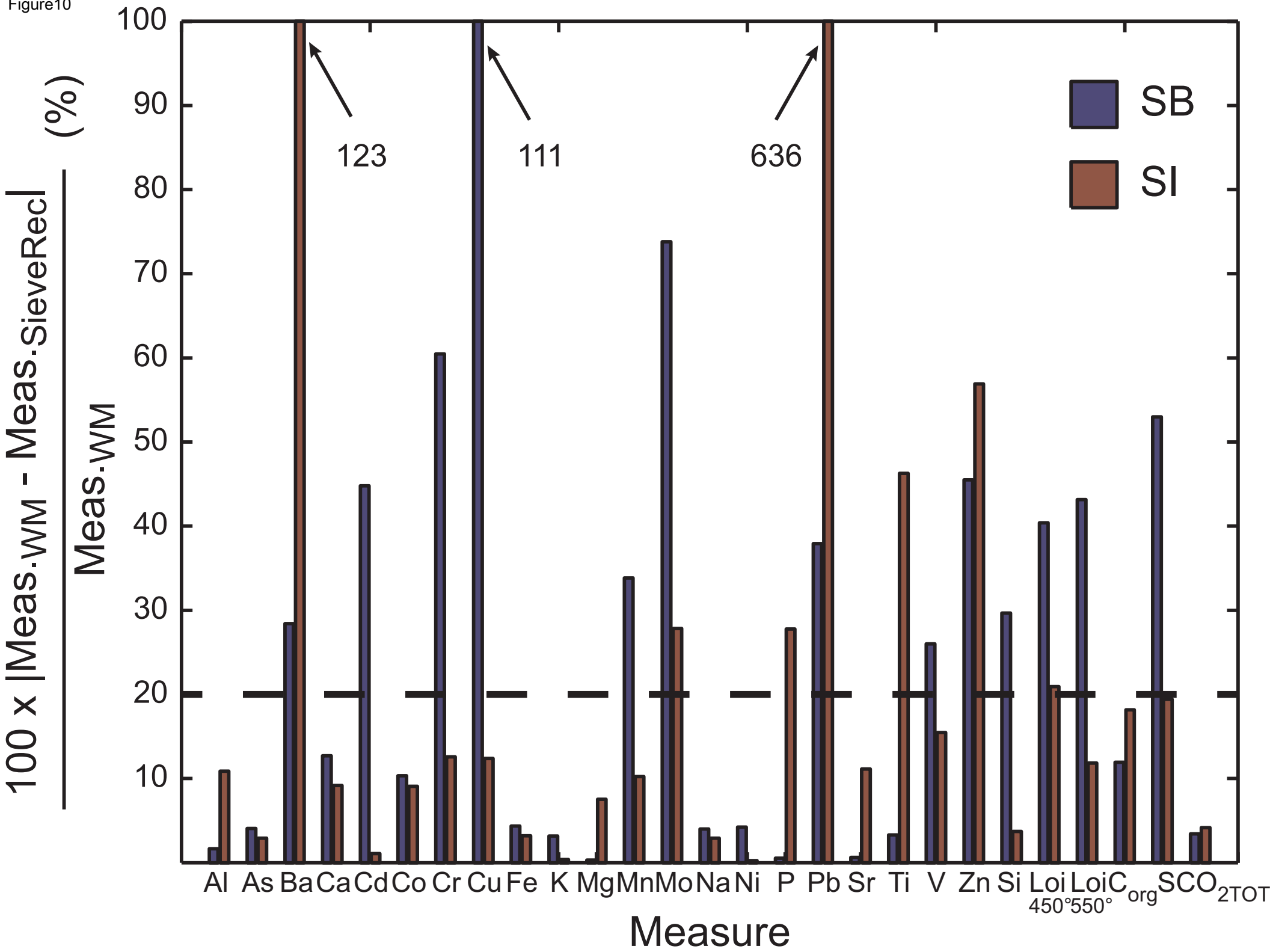




Figure 10



**Table 1** Classification of artefacts in the granular fraction of SB and SI

	<b>X<sub>1</sub></b>	<b>SNF</b>	<b>SF</b>	<b>R<sub>u</sub></b>	<b>R<sub>c</sub></b>	<b>R<sub>b</sub></b>	<b>G<sub>y</sub></b>
<b>SB</b>	17.9	24.9	4.1	29.8	17.3	1.8	3.8
<b>SI</b>	32.8	13.3	1.4	43.5	2.1	1.3	4.9

**Table 2** Loss On Ignition measurements at 450 °C and 550 °C ( $LOI_{450^\circ}$ ,  $LOI_{550^\circ}$ ) expressed in %, particle density ( $\rho_d$ ) in  $g/cm^3$  and particle density after ignition at 550 °C ( $\rho_{dLOI}$ ) in  $g/cm^3$ . For LOI, the drying temperature ( $T_d$ ) was 105 °C, except underlined values for which  $T_d=50$  °C

	<b>X<sub>1</sub></b>		<b>SNF</b>		<b>SF</b>		<b>R<sub>u</sub></b>		<b>R<sub>c</sub></b>		<b>R<sub>b</sub></b>		<b>G<sub>y</sub></b>	
	SB	SI	SB	SI	SB	SI	SB	SI	SB	SI	SB	SI	SB	SI
LOI 450°C	8.4	5.5	16.6	7.8	1.1	5.4	1.6	1.1	4.3	2.2	0.9	0.8	4.8	4.3
LOI 550°C	<u>8.6</u>	7.3	<u>22.6</u>	19.7	<u>1.1</u>	6.3	<u>1.5</u>	2.0	<u>5.1</u>	4.7	<u>1.3</u>	1.2	<u>15.3</u>	<u>5.0/</u> <u>17.5</u>
$\rho_d$	2.62	2.60	2.40	2.49	3.73	4.00	2.67	2.67	2.62	2.65	2.63	2.65	2.42	2.43
$\rho_{dLOI}$	2.71	2.67	2.50	2.73	3.85	4.21	2.64	2.67	2.67	2.67	2.65	2.65	2.86	2.88

**Table 3** Results of LAR without constraint: estimated percentages of the artefacts that constitute the whole material and the granulometric fractions

%	SB				SI			
	WM	<80µm	80-400 µm	>400µm	WM	<80 µm	80-400 µm	>400µm
<b>SNF</b>	18.0	10.1	17.6	19.6	15.3	7.3	10.1	22.5
<b>SF</b>	7.8	6.6	8.0	10.4	2.8	7.3	3.7	2.4
<b>R<sub>u</sub></b>	42.0	37.8	45.3	0.0	44.1	60.2	40.5	55.1
<b>G<sub>y</sub></b>	6.2	19.1	6.1	0.5	7.6	11.7	16.3	5.8
<b>R<sub>b</sub></b>	2.1	5.8	0.0	0.0	8.5	3.3	12.7	2.2
<b>R<sub>c</sub></b>	53.2	62.2	15.3	76.5	24.5	4.2	22.0	3.3
<b>TOT</b>	129.3	141.6	92.3	107.1	102.8	74.3	105.2	91.4
<b>Exact.</b>	155	274	250	94	307	652	343	337

**Table 4** Results of LAR with constraints. Constrained parameters are bolded and highlighted; see text for details

%	<b>SB</b>				<b>SI</b>			
	WM	<80 $\mu$ m	80-400 $\mu$ m	>400 $\mu$ m	WM	<80 $\mu$ m	80-400 $\mu$ m	>400 $\mu$ m
SNF	20.8	<b>12.2</b>	<b>20.8</b>	<b>23.2</b>	16.1	7.3	10.6	20.6
SF	9.6	<b>13.5</b>	<b>9.6</b>	<b>6.4</b>	3.4	7.3	4.1	2.6
R <sub>u</sub>	34.6	37.5	32.1	30.1	62.6	66.1	63.2	61.1
G <sub>y</sub>	10.0	<b>14.3</b>	<b>8.3</b>	<b>8.3</b>	7.9	11.6	12.0	5.7
R <sub>b</sub>	0.0	<b>5</b>	0	7.0	<b>5.0</b>	3.4	<b>5.0</b>	<b>5.0</b>
R <sub>c</sub>	<b>25.0</b>	17.2	29.2	<b>25.0</b>	<b>5.0</b>	4.3	<b>5.0</b>	<b>5.0</b>
exact	204	432	302	232	375	664	458	310

ELECTRONIC SUPPLEMENTARY MATERIAL

SOILS, SEC 2 • GLOBAL CHANGE, ENVIRON RISK ASSESS, SUSTAINABLE LAND USE •  
RESEARCH ARTICLE

**Identification of the artefact contribution to two urban Technosols by coupling a sorting test,  
chemical analyses and a least-absolute residuals procedure**

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Received: 1 March 2018 / Accepted: 27 June 2018

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Responsible editor: Maxine J. Levin

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## Data

This electronic annex presents data measured on two technosoils excavated at depths higher than one meter. After excavation and preparation, they have been split into four granulometric fractions (whole material, <80  $\mu\text{m}$ , 80-400  $\mu\text{m}$  and >400  $\mu\text{m}$ ). In addition, the artefacts composing the granular fraction (>4 mm) have been sorted in relevant Construction and Demolition Waste (CD&W) families (AFNOR 2009a; 2012). Six artifact families have been considered: Rc contains concretes, concrete products (including hydraulically bound material), mortars, concrete masonry units; Ru contains unbound gravel, natural stones; Rb contains terracotta units such as bricks and tiles, and non-floating cellular concretes; SF contains magnetic slags; SNF contains non-magnetic slags; Gy contains gypsum components; and X1 contains aggregated fine-grained material.

For all these materials, after measurements of loss on ignition (LOI) and particle densities ( $\rho_d$ ), elemental occurrence and elemental correlations were determined using X-ray fluorescence spectroscopy (XRF). Then, an accurate elemental quantification of trace, intermediate and major chemical elements were done using Inductively Coupled Plasma Optical Emission Spectroscopy (ICPOES) and Carbon/Sulfur measurements.

## Experimental Design, Materials, and Methods

A - Loss on ignition, particles densities and chemical data

Methodology for LOI and  $\rho_d$  measurements are fully described in standards (AFNOR 2008, 2013). Quantification of elements have been performed with Inductively Coupled Plasma Optical Emission Spectroscopy - ICP-OES (AFNOR 2001, 2009b, Jean-Soro et al. 2015) by using a Varian 720 ES, after mineralization with a mixture of HF and HClO<sub>4</sub> and alkali fusion with lithium tetraborate for silica content. Carbon (Total Carbon and Total Organic Carbon) and sulfur contents were determined using a LECO SC144 C/S analyzer.

+ Chemical analyses on the material SI

**Table A1** Chemical analyses on each fraction selected from sieve analyses – material SB. Units are mg/kg of dry matter (mg/kg<sub>dm</sub>) for chemical elements

mg/kg <sub>dm</sub>	Particles size			
	Whole mat.	<80 μm	80-400 μm	>400 μm
Al	26393	28489	19281	28047
As	14	23	14	8.9
B	/	26	27	/
Ba	341	164	297	290
Ca	139926	164980	100710	94931
Cd	0.64	0.6	0.3	0.21
Co	16	17	20	15.9
Cr	351	75	97	204
Cu	212	258	207	679
Fe	41473	36638	37968	50419
K	6988	6710	5697	8120
Li	/	28	21	/
Mg	4053	6043	2916	2862
Mn	418	480	376	685
Mo	26	3	2	11
Na	1281	1237	1040	1507
Ni	192	292	201	127
P	542	757	460	404
Pb	265.1	638	322	161
Sr	347	465	282	279
Ti	943	942	641	978
V	65	47	36	53.4
Zn	400	273	173	189
Si	163008	135041	230116	266439
S	6600	12900	12300	7100
C <sub>org</sub>	92600	56100	93900	97800
LOI <sub>450°</sub> (%)	11.0	8.9	8.1	4.1
LOI <sub>550°</sub> (%)	14.6	10.4	10.2	6.0



**Table A2** Major elements expressed in terms of oxides percentages – material SB – Weighted values

(%)	Whole Mat	<80 $\mu\text{m}$	80-400 $\mu\text{m}$	>400 $\mu\text{m}$
SiO <sub>2</sub>	31.2	27.9	38.4	41.7
Al <sub>2</sub> O <sub>3</sub>	4.5	5.2	2.8	3.9
FeO	4.8	4.6	3.8	4.7
MgO	0.6	1.0	0.4	0.4
K <sub>2</sub> O	0.8	0.8	0.5	0.7
CaO	17.5	22.3	11.0	9.7
CO <sub>2org</sub>	30.3	19.9	26.9	25.2
CO <sub>2TOT</sub>	38.9	34.9	40.6	36.5
SO <sub>2</sub>	1.2	2.5	1.9	1.8

+ Chemical analyses on the soil SI

**Table A3** Chemical analyses on each fraction selected from sieve analyses – material SI – Units are mg/kg of dry matter (mg/kg<sub>dm</sub>) for chemical elements

mg/kg <sub>dm</sub>	Particles size			
	Whole mat.	<80 μm	80-400 μm	>400 μm
Al	22989	27999	22073	25175
As	19	21	19	16
B	/	/	/	/
Ba	126	162	299	352
Ca	150037	181084	160128	153826
Cd	0.6	0.8	0.2	0.4
Co	10	12	10	11
Cr	102	43	92	119
Cu	245	348	249	237
Fe	24255	23407	25024	22914
K	7491	7857	6778	7470
Li	/	/	/	/
Mg	9602	12904	6615	7114
Mn	370	482	336	387
Mo	9	3	7	9
Na	2439	2094	2593	2460
Ni	31	37	28	29
P	882	1035	1001	1236
Pb	159	358	1224	1678
Sr	369	534	313	368
Ti	769	1210	717	1230
V	42	46	42	53
Zn	822	516	324	260
Si	190629	147505	187088	205846
S	14300	20000	27700	11000
C <sub>org</sub>	33800	18000	23600	35600
LOI <sub>450°</sub> (%)	3.5	4.3	6.1	3.4
LOI <sub>550°</sub> (%)	6.8	5.3	6.4	6.3

**Table A4** Major elements expressed in terms of oxides percentages – material SI – Weighted values

(%)	Whole Mat	<80 $\mu\text{m}$	80-400 $\mu\text{m}$	>400 $\mu\text{m}$
SiO <sub>2</sub>	40.0	32.7	37.7	42.2
Al <sub>2</sub> O <sub>3</sub>	4.3	5.5	3.9	4.6
FeO	3.1	3.1	3.0	2.8
MgO	1.6	2.2	1.0	1.1
K <sub>2</sub> O	0.9	1.0	0.8	0.9
CaO	20.6	26.2	21.1	20.6
CO <sub>2org</sub>	12.2	6.8	8.2	12.5
CO <sub>2TOT</sub>	25.9	24.1	26.2	24.5
SO <sub>2</sub>	2.8	4.1	5.2	2.1

+ Chemical analyses on artefacts from the material SB

**Table A5** Chemical analyses on artefacts – material SB - Units are mg/kg of dry matter (mg/kg<sub>dm</sub>) for chemical elements

mg/kg <sub>dm</sub>	SB						
	X <sub>1</sub>	SNF	SF	R <sub>U</sub>	R <sub>C</sub>	R <sub>b</sub>	G <sub>y</sub>
Al	24010	66437	32767	5577	15174	53354	4824
As	16	10.8	14.7	4	6.77	12.6	2.68
B	/	26.7	281	5	8.25	31.8	2.47
Ba	351	638	462	51	160	317	62.8
Ca	111628	25541	6663	149842	115413	13042	164968
Cd	0.3	/	/	/	/	/	/
Co	17	30	61	3	5	10	1
Cr	119	185	431	131	147	208	18.6
Cu	224	370	239	7.56	15.2	30.9	15.0
Fe	51929	29294	356180	5805	9986	24043	1760
K	7245	12175	7408	1954	6055	6369	714
Li	/	100	38	5	16	42	3
Mg	3428	4431	2515	2976	2252	4367	6902
Mn	483	414	1797	125	282	334	111
Mo	7	/	/	/	/	/	/
Na	1344	2644	1196	925	1150	2180	214
Ni	228	131	625	11	18	32	30
P	514	1736	682	115	245	293	176
Pb	355	200	49.9	6	11	29	80
Sr	322	482	326	163	174	114	1155
Ti	784	2475	1458	200	519	2742	188
V	43.6	111	99	18	33.0	73.9	10
Zn	188	64	21	17	27.8	73.7	54
Si	205531	146926	139972	216518	262407	341680	40230
S	6900	4600	1300	1700	2500	1000	6900
C <sub>org</sub>	74900	407500	16200	2300	20400	500	74900
*LOI <sub>450°</sub> (%)	8.4	16.6	1.1	1.6	4.3	0.9	4.8
*LOI <sub>550°</sub> (%)	8.6	22.6	1.1	1.5	5.1	1.3	15.3
ρ <sub>d</sub> (T/m <sup>3</sup> )	2.62	2.40	3.73	2.67	2.62	2.63	2.42
ρ <sub>d LOI</sub> (T/m <sup>3</sup> )	2.71	2.50	3.85	2.64	2.67	2.65	2.86

\*For LOI<sub>450°</sub> temperature of drying was 105°C, for LOI<sub>550°</sub> temperature of drying was 50 °C

**Table A6** Major elements expressed in terms of oxides percentages – artefacts from material SB - Weighted values

	SB						
	X <sub>1</sub>	SNF	SF	R <sub>u</sub>	R <sub>c</sub>	R <sub>b</sub>	G <sub>y</sub>
SiO <sub>2</sub>	39.5	15.2	32.8	50.2	57.5	79.7	12.0
Al <sub>2</sub> O <sub>3</sub>	4.1	6.1	6.8	1.1	2.9	11.0	1.3
FeO	6.0	1.8	50.2	0.8	1.3	3.4	0.3
MgO	0.5	0.4	0.5	0.5	0.4	0.8	1.6
K <sub>2</sub> O	0.8	0.7	1.0	0.3	0.7	0.8	0.1
CaO	14.0	1.7	1.0	22.7	16.6	2.0	32.2
CO <sub>2org</sub>	24.7	72.4	6.5	0.9	7.7	0.2	1.1
CO <sub>2TOT</sub>	33.2	72.9	6.3	23.8	19.6	1.0	14.4
SO <sub>2</sub>	1.2	0.4	0.3	0.4	0.5	0.2	37.7

+ Chemical analyses on artefacts from the material SI

**Table A7** Chemical analyses on artefacts – material SI

	SI						
mg/kg <sub>dm</sub>	X <sub>1</sub>	SNF	SF	R <sub>U</sub>	R <sub>C</sub>	R <sub>b</sub>	G <sub>y</sub>
Al	31928	66437	47237	4189	8801	74253	3466
As	16	26	167	4	6	16	1
B							
Ba	326	1293	1657	53	187	691	62
Ca	139705	56316	59067	220789	86882	20892	252145
Cd	0.6	0.2	0.6	0.2	0.5	0.2	0.2
Co	10	31	64	2	5	19	3
Cr	110	177	271	130	113	238	23
Cu	198	571	3977	11	139	61	20
Fe	22246	56589	299689	7713	4387	30284	1861
K	9311	14150	9735	2218	3613	14340	959
Li							
Mg	9931	8624	9289	3434	3032	6717	10257
Mn	388	1653	3837	188	352	380	119
Mo	8	13	24	10	9	12	2
Na	1785	8319	6238	527	2138	2855	297
Ni	32	69	243	10	12	32	3
P	866	2527	3230	133	286	484	481
Pb	309	3219	2612	23	71	493	47
Sr	354	413	380	209	200	160	1310
Ti	1212	2378	1791	130	532	3452	99
V	50	123	115	19	28	92	7
Zn	365	823	1346	42	318	172	59
Si	194356	173260	107607	174294	222876	315867	36950
S	14600	4300	5800	1200	3500	1400	156900
C <sub>org</sub>	18600	200600	32900	1200	6600	900	400
LOI <sub>450°</sub> (%)	5.5	7.8	5.4	1.1	2.2	0.8	4.3
LOI <sub>550°</sub> (%)	7.3	19.7	6.3	2.0	4.7	1.2	5.0
*LOI <sub>550°</sub> (%)	9.1	20.3	7.4	1.9	4.5	1.4	17.5
ρ <sub>d</sub> (T/m <sup>3</sup> )	2.60	2.49	4.00	2.67	2.65	2.65	2.43
ρ <sub>d</sub> LOI (T/m <sup>3</sup> )	2.6	2.73	4.21	2.67	2.67	2.65	2.88

\*temperature of drying was 50 °C

**Table A8** Major elements expressed in terms of oxides percentages – artefacts from material SI  
- Weighted values

	SI						
	X <sub>1</sub>	SNF	SF	R <sub>u</sub>	R <sub>c</sub>	R <sub>b</sub>	G <sub>y</sub>
SiO <sub>2</sub>	40.7	25.9	22.8	39.0	57.9	71.8	9.3
Al <sub>2</sub> O <sub>3</sub>	5.9	8.8	8.8	0.8	2.0	14.9	0.8
FeO	2.8	5.1	38.2	1.0	0.7	4.1	0.3
MgO	1.6	1.0	1.5	0.6	0.6	1.2	2.0
K <sub>2</sub> O	1.1	1.2	1.2	0.3	0.5	1.8	0.1
CaO	19.1	5.5	8.2	32.3	14.8	3.1	41.6
CO <sub>2org</sub>	6.7	51.4	12.0	0.5	2.9	0.4	0.2
CO <sub>2TOT</sub>	25.0	49.8	14.4	25.5	21.9	1.3	8.5
SO <sub>2</sub>	2.9	0.6	1.1	0.3	0.8	0.3	36.9

#### B – XRF analyses

Elemental occurrences were obtained using X-ray fluorescence (XRF). A Bruker M4 TORNADO laboratory instrument equipped with an Rh X-ray tube operated at 50 keV and 300  $\mu$ A was used. The X-ray fluorescence was measured using a silicon drift detector with a spot size of 25  $\mu$ m [8]. XRF spectra were measured under vacuum on the granular fractions and the artifact families grinded at a diameter < 40  $\mu$ m. 96 spectra were collected for each fraction and 30 for each artefact. They were normalized on the Compton peak (i.e maximum of the peak set to 1) and limited at the Rayleigh peak (~20 keV). In order to study chemical correlation, a semi-quantification of elemental composition of artifacts families was realized by applying a semi-automatic method provided by the software 'Esprit' coupled with M4 TORNADO. Mean normalized XRF spectra with standard deviation have been then determined. They are provided in supplementary material in ASCII format

+ Elemental correlations























**Table B10** Elemental correlations from xrf analyses on G<sub>y</sub> (Gypsum products) – material SB

	Si	Fe	Al	K	S	Mg	Ti	Na	Sr	Pb	Zn	Mn	Cu	Cr	P	Ba	Ni	
Ca	0.68	0.72	0.59	0.24	0.99	0.51	0.15	0.18	0.71	0.69	0.87	0.75	0.28	0.35	/	/	0.61	
	Si	0.56	0.57	0.31	0.68	0.32	0.18	0.20	0.53	0.51	0.54	0.61	0.07	0.49	/	/	0.42	
		Fe	0.49	0.24	0.70	0.44	0.05	-0.05	0.56	0.45	0.51	0.59	0.18	0.38	/	/	0.31	
			Al	0.18	0.61	0.37	-0.02	0.08	0.36	0.24	0.53	0.54	0.00	0.02	/	/	0.27	
				K	0.25	-0.15	-0.09	0.06	0.19	-0.19	0.22	0.37	0.06	0.06	/	/	0.24	
					S	0.54	0.16	0.17	0.70	0.68	0.85	0.79	0.27	0.36	/	/	0.59	
						Mg	0.08	0.13	0.44	0.53	0.37	0.57	-0.02	0.01	/	/	0.07	
							Ti	-0.14	0.03	0.05	0.14	0.07	-0.22	0.08	/	/	0.14	
								Na	0.19	0.23	0.01	0.14	-0.06	0.13	/	/	0.28	
									Sr	0.70	0.44	0.41	0.21	0.16	/	/	0.55	
										Pb	0.50	0.36	0.43	0.26	/	/	0.52	
											Zn	0.72	0.37	0.22	/	/	0.49	
												Mn	0.20	0.25	/	/	0.33	
													Cu	0.04	/	/	0.19	
														Cr	/	/	0.26	
															P	/	/	
																Ba	/	
																	Ni	/





**Table B13** Elemental correlations from xrf analyses on X<sub>1</sub> (Aggregated fine material) – material SI

	Si	Fe	Al	K	S	Mg	Ti	Na	Sr	Pb	Zn	Mn	Cu	Cr	P	Ba	Ni	
Ca	0.16	0.23	0.54	0.32	0.21	0.50	0.18	0.16	-0.09	0.12	0.18	0.27	0.11	0.08	0.26	-0.17	-0.06	
Si		0.18	0.70	0.54	0.27	0.56	0.66	-0.08	-0.13	0.12	0.18	0.20	0.41	0.52	-0.06	0.07	-0.07	
Fe			0.43	0.55	0.71	0.30	0.41	0.09	0.09	0.43	0.51	0.64	0.66	0.04	0.38	0.02	0.05	
Al				0.75	0.48	0.89	0.60	0.09	0.10	0.31	0.46	0.42	0.50	0.23	0.06	0.00	-0.09	
K					0.35	0.61	0.54	0.14	0.24	0.60	0.62	0.72	0.46	0.06	0.13	0.24	-0.03	
S						0.34	0.27	-0.16	0.04	0.15	0.21	0.16	0.52	0.05	-0.05	-0.21	0.39	
Mg							0.54	0.16	0.22	0.28	0.44	0.39	0.48	0.27	-0.06	0.05	-0.12	
Ti								0.26	0.02	0.14	0.12	0.42	0.29	0.39	0.06	0.13	0.02	
Na									0.02	0.18	-0.02	0.24	0.04	0.10	0.18	-0.01	-0.26	
Sr										0.48	0.54	0.32	0.08	-0.12	-0.08	0.28	0.20	
Pb											0.76	0.55	0.55	0.11	-0.01	-0.03	-0.25	
Zn												0.66	0.59	-0.01	0.12	0.19	-0.12	
Mn													0.42	0.01	0.38	0.30	-0.17	
Cu														0.18	-0.01	-0.16	-0.34	
Cr															-0.06	0.03	-0.21	
P																0.12	-0.13	
Ba																	0.08	
Ni																		

+ XRF spectra

See accompanying .xrf file.

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E (keV)	SB WM		SB <80 $\mu$ m		80 $\mu$ m < SB <400 $\mu$ m	
	mean	std	mean	std	mean	std
1.0075	0.355107	0.0376594	0.381873	0.0451926	0.287061	0.0521488
1.0175	0.355862	0.0392194	0.383248	0.0527283	0.282271	0.0508933
1.0275	0.361439	0.0370037	0.380587	0.0454798	0.28223	0.0451912
1.0375	0.356922	0.0388802	0.378815	0.0484536	0.284055	0.0518202
1.0475	0.353138	0.035798	0.382326	0.0483799	0.2792	0.0516598
1.0575	0.35213	0.0408871	0.377129	0.0465784	0.284525	0.0515342
1.0675	0.349765	0.0368127	0.379615	0.0496447	0.279146	0.0511656
1.0775	0.34985	0.033993	0.378507	0.0476951	0.276903	0.0497673
1.0875	0.350064	0.0387156	0.376278	0.0468922	0.277277	0.0470911
1.0975	0.352398	0.0365149	0.374251	0.0479163	0.277769	0.0484087
1.1075	0.349488	0.0349309	0.37556	0.0457723	0.277902	0.0483425
1.1175	0.35084	0.0327768	0.370083	0.0459784	0.276235	0.0482069
1.1275	0.349796	0.0385719	0.374467	0.0455516	0.279427	0.0499173
1.1375	0.34652	0.037075	0.374004	0.0462161	0.274431	0.0500929
1.1475	0.350302	0.0359478	0.376598	0.0513535	0.274624	0.0491421
1.1575	0.350272	0.0360908	0.379187	0.0496586	0.275582	0.0506263
1.1675	0.348967	0.0377382	0.380983	0.0487965	0.27763	0.0525208
1.1775	0.351466	0.0328768	0.380455	0.0446271	0.279822	0.0488033
1.1875	0.356999	0.0356013	0.38758	0.0456826	0.281541	0.0528866
1.1975	0.359975	0.037152	0.394428	0.0465862	0.286045	0.0519804
1.2075	0.364112	0.033261	0.402391	0.0468169	0.289781	0.0498972
1.2175	0.372246	0.0387636	0.415875	0.052624	0.294872	0.0496238
1.2275	0.378989	0.0357447	0.424083	0.0508483	0.302034	0.0506722
1.2375	0.384125	0.0364917	0.432605	0.0561858	0.304251	0.0518911
1.2475	0.389614	0.0374028	0.437119	0.0606616	0.309435	0.05383
1.2575	0.385235	0.0379249	0.442052	0.0575235	0.31398	0.0539902
1.2675	0.390816	0.0350435	0.442979	0.0550323	0.313228	0.0529003
1.2775	0.389681	0.0380541	0.43512	0.0594494	0.308548	0.0563976
1.2875	0.385908	0.0362197	0.423474	0.0529552	0.303397	0.055309
1.2975	0.377933	0.0392337	0.419796	0.0513018	0.297941	0.0518076
1.3075	0.371062	0.0358826	0.405813	0.0494599	0.290452	0.0513099
1.3175	0.36574	0.033994	0.393002	0.044722	0.288839	0.0526203
1.3275	0.359256	0.0373004	0.388081	0.0496341	0.282154	0.0503527
1.3375	0.354088	0.0381069	0.384377	0.0459628	0.282214	0.0512427
1.3475	0.355478	0.0352832	0.381648	0.0490687	0.279059	0.0496765
1.3575	0.362136	0.0316549	0.385161	0.0431973	0.282467	0.0505247
1.3675	0.363387	0.0341079	0.393043	0.0448996	0.288402	0.0475815
1.3775	0.375979	0.0365287	0.412377	0.0472549	0.297314	0.0530736
1.3875	0.395995	0.037932	0.444195	0.0511168	0.31516	0.0524356
1.3975	0.427037	0.0392373	0.498151	0.0637309	0.346338	0.0579818
1.4075	0.482725	0.0438048	0.571784	0.0767376	0.390149	0.0650325
1.4175	0.554268	0.0457005	0.679048	0.0996944	0.45355	0.0798009
1.4275	0.655774	0.0505158	0.81738	0.116893	0.53425	0.0935592
1.4375	0.78428	0.0641301	0.979893	0.162041	0.639934	0.107672
1.4475	0.925649	0.0709437	1.15875	0.215285	0.75255	0.130241

1.4575	1.08317	0.079964	1.34624	0.249	0.868049	0.159211
1.4675	1.23253	0.0911347	1.50548	0.291181	0.970228	0.180736
1.4775	1.34791	0.103436	1.61854	0.315983	1.04486	0.195795
1.4875	1.42288	0.106371	1.67764	0.327342	1.08313	0.202816
1.4975	1.44411	0.104487	1.66286	0.321028	1.08641	0.200838
1.5075	1.40724	0.108994	1.58941	0.299792	1.03935	0.190327
1.5175	1.319	0.0967119	1.44499	0.270692	0.958296	0.175297
1.5275	1.19822	0.0898974	1.27692	0.223008	0.860895	0.157898
1.5375	1.05974	0.0806408	1.10206	0.18848	0.758461	0.138949
1.5475	0.915876	0.0728223	0.933223	0.152441	0.648631	0.114563
1.5575	0.787631	0.057481	0.786528	0.117237	0.560277	0.102478
1.5675	0.682459	0.0506282	0.673729	0.0883767	0.488377	0.0857852
1.5775	0.5996	0.0520666	0.587154	0.0750564	0.435716	0.0758437
1.5875	0.548498	0.0445008	0.535012	0.0617667	0.404069	0.0705101
1.5975	0.524382	0.0442851	0.513425	0.0613113	0.39279	0.0672536
1.6075	0.542811	0.0440128	0.530292	0.0619221	0.417347	0.0669073
1.6175	0.608855	0.0496285	0.587658	0.0742219	0.475923	0.0786262
1.6275	0.756756	0.0570315	0.714487	0.10475	0.59763	0.106738
1.6375	1.01714	0.0838383	0.941866	0.159229	0.818519	0.149908
1.6475	1.44873	0.117207	1.29787	0.230483	1.15766	0.211539
1.6575	2.1114	0.175385	1.82333	0.356329	1.67129	0.316394
1.6675	3.0765	0.25626	2.55471	0.524708	2.38447	0.461112
1.6775	4.37337	0.368552	3.50082	0.738843	3.32222	0.643132
1.6875	5.99447	0.518126	4.64845	1.00634	4.46983	0.88181
1.6975	7.86923	0.683453	5.89416	1.28815	5.7492	1.14497
1.7075	9.88478	0.868773	7.16991	1.57117	7.05376	1.41627
1.7175	11.8503	1.02044	8.29567	1.78889	8.26993	1.68108
1.7275	13.5044	1.16335	9.16808	1.95979	9.20618	1.85237
1.7375	14.6481	1.2911	9.65018	2.08276	9.75085	1.96212
1.7475	15.1083	1.31894	9.6468	2.08177	9.82758	1.98436
1.7575	14.8161	1.29995	9.17584	1.96127	9.44142	1.91145
1.7675	13.8297	1.2092	8.33313	1.78688	8.63619	1.74629
1.7775	12.2868	1.08165	7.2561	1.53543	7.52807	1.53006
1.7875	10.4553	0.926039	6.03132	1.2501	6.28275	1.2528
1.7975	8.52284	0.749765	4.84605	0.988073	5.0382	1.00544
1.8075	6.69553	0.582581	3.78119	0.748577	3.92211	0.781436
1.8175	5.10808	0.441515	2.89082	0.555264	2.96979	0.583689
1.8275	3.83002	0.33034	2.20684	0.395799	2.23158	0.425189
1.8375	2.88581	0.236261	1.70415	0.270932	1.69318	0.314197
1.8475	2.14743	0.178789	1.33788	0.200176	1.28327	0.233265
1.8575	1.63137	0.128421	1.06356	0.143757	0.999169	0.178119
1.8675	1.28047	0.101445	0.865644	0.106616	0.792963	0.139824
1.8775	1.02635	0.0789982	0.725226	0.0829064	0.645841	0.11111
1.8875	0.844685	0.0677062	0.624587	0.0727768	0.536655	0.0937568
1.8975	0.714833	0.0582742	0.54399	0.0591528	0.453599	0.0787014
1.9075	0.615505	0.0505378	0.4916	0.0584572	0.39922	0.0725226
1.9175	0.546325	0.0512119	0.466635	0.062177	0.359542	0.0659289

1.9275	0.492394	0.0526085	0.455613	0.0560667	0.33362	0.0619497
1.9375	0.457896	0.0500376	0.455479	0.0650331	0.325846	0.0643942
1.9475	0.429935	0.0477574	0.485316	0.0711879	0.334166	0.0638847
1.9575	0.411124	0.0436332	0.5119	0.0774324	0.336433	0.0612954
1.9675	0.400667	0.0467377	0.531345	0.0758338	0.34716	0.0647139
1.9775	0.397999	0.045856	0.553116	0.0824222	0.361037	0.0689638
1.9875	0.397877	0.0469935	0.575117	0.0812282	0.372121	0.0729625
1.9975	0.406028	0.0436418	0.587416	0.0784253	0.3788	0.075241
2.0075	0.409506	0.0463274	0.594295	0.0840987	0.388653	0.0747237
2.0175	0.420658	0.0447384	0.589311	0.0859312	0.389652	0.0732183
2.0275	0.425806	0.0446998	0.575846	0.081853	0.383561	0.071385
2.0375	0.426747	0.0451879	0.560238	0.0812416	0.375355	0.0703605
2.0475	0.424507	0.0442853	0.540794	0.0715278	0.36647	0.0677828
2.0575	0.416337	0.0421837	0.51807	0.0661035	0.351507	0.066912
2.0675	0.406814	0.0417106	0.488291	0.064055	0.334689	0.0633267
2.0775	0.393518	0.0391961	0.468383	0.0574169	0.319956	0.0612306
2.0875	0.380823	0.0378146	0.450552	0.0551862	0.308935	0.058454
2.0975	0.369458	0.0373257	0.436074	0.0520082	0.300212	0.0550042
2.1075	0.358411	0.0392621	0.424367	0.0520885	0.292739	0.0525166
2.1175	0.35068	0.0384962	0.418135	0.0533216	0.286182	0.0533485
2.1275	0.345363	0.0345282	0.416744	0.0525743	0.283545	0.0548856
2.1375	0.345269	0.0344165	0.419354	0.052881	0.284023	0.0536223
2.1475	0.347414	0.0342327	0.428677	0.0572747	0.286831	0.0526793
2.1575	0.351408	0.0334328	0.447519	0.0638716	0.295022	0.0539867
2.1675	0.361503	0.03292	0.483861	0.0705896	0.308859	0.0574331
2.1775	0.381998	0.0384134	0.536063	0.0780863	0.335672	0.0633655
2.1875	0.411044	0.0417337	0.62526	0.104234	0.381651	0.0698411
2.1975	0.460773	0.044962	0.773597	0.15192	0.450959	0.0780548
2.2075	0.537129	0.0450533	0.984622	0.22773	0.553879	0.0983058
2.2175	0.654793	0.0528487	1.28641	0.325727	0.698713	0.125608
2.2275	0.820188	0.065171	1.70577	0.464945	0.903313	0.163014
2.2375	1.03635	0.0836838	2.23397	0.650653	1.17074	0.212219
2.2475	1.31124	0.106027	2.88007	0.87518	1.49517	0.272431
2.2575	1.64037	0.135126	3.62278	1.13461	1.87244	0.336502
2.2675	2.00874	0.165882	4.39172	1.38073	2.27834	0.415147
2.2775	2.38073	0.193299	5.14259	1.63094	2.66376	0.493437
2.2875	2.7345	0.221919	5.77516	1.85752	3.00646	0.554893
2.2975	3.03161	0.244251	6.21233	2.01174	3.26615	0.603618
2.3075	3.22076	0.258383	6.41488	2.08586	3.40742	0.631511
2.3175	3.28421	0.261026	6.35527	2.06979	3.39854	0.62388
2.3275	3.22847	0.259368	6.04928	1.9739	3.25961	0.600501
2.3375	3.05242	0.249924	5.52838	1.78465	3.00132	0.556826
2.3475	2.76686	0.221997	4.84911	1.55634	2.65639	0.492784
2.3575	2.41695	0.198788	4.10024	1.30693	2.26903	0.416533
2.3675	2.0437	0.170591	3.35854	1.05379	1.88188	0.348862
2.3775	1.67453	0.139874	2.68643	0.84018	1.51618	0.28256
2.3875	1.35785	0.108897	2.11518	0.659003	1.20643	0.223317



2.3975	1.09355	0.0912403	1.67934	0.525691	0.964237	0.175132
2.4075	0.89268	0.0759264	1.35857	0.430169	0.787073	0.140956
2.4175	0.749818	0.0677561	1.14347	0.367938	0.664511	0.117946
2.4275	0.653307	0.057658	1.01374	0.339105	0.588294	0.104499
2.4375	0.600651	0.0523824	0.938368	0.316486	0.545388	0.10068
2.4475	0.571417	0.0506815	0.896086	0.294611	0.521492	0.095067
2.4575	0.55313	0.0484179	0.863869	0.272	0.50688	0.0920645
2.4675	0.540104	0.0477304	0.838411	0.250353	0.493385	0.0921069
2.4775	0.527706	0.046744	0.79945	0.224864	0.477154	0.086521
2.4875	0.512394	0.0449959	0.751639	0.196752	0.458037	0.084281
2.4975	0.494353	0.0452328	0.703583	0.168707	0.430569	0.0805991
2.5075	0.470009	0.0439045	0.647962	0.140546	0.401351	0.0725539
2.5175	0.444446	0.0410706	0.593186	0.117057	0.37599	0.0661368
2.5275	0.422598	0.0385837	0.546699	0.09544	0.351992	0.063183
2.5375	0.401766	0.0350146	0.50761	0.0740875	0.332589	0.0623916
2.5475	0.389364	0.0348233	0.479284	0.062506	0.319179	0.0586605
2.5575	0.382283	0.035774	0.463069	0.0603286	0.314054	0.0558678
2.5675	0.381021	0.0346771	0.463762	0.0574569	0.317615	0.0579661
2.5775	0.392502	0.0365627	0.482064	0.0609617	0.330146	0.0595246
2.5875	0.413911	0.0406966	0.507453	0.0700092	0.352939	0.0633128
2.5975	0.446585	0.0426494	0.549581	0.0764285	0.384653	0.0674108
2.6075	0.49639	0.0439655	0.610541	0.0861259	0.42887	0.0758529
2.6175	0.56443	0.0524978	0.68546	0.0985263	0.486205	0.0890613
2.6275	0.650485	0.0638511	0.780316	0.113712	0.557106	0.102566
2.6375	0.750973	0.0750152	0.887819	0.126558	0.639269	0.120686
2.6475	0.864133	0.0890821	0.996972	0.137976	0.732021	0.139592
2.6575	0.984383	0.106543	1.1184	0.156943	0.825525	0.16122
2.6675	1.10563	0.123689	1.22323	0.17766	0.910227	0.183495
2.6775	1.22539	0.138047	1.3069	0.194716	0.984958	0.196234
2.6875	1.32003	0.152369	1.37071	0.210884	1.04149	0.206912
2.6975	1.38179	0.160052	1.39871	0.221867	1.06888	0.215605
2.7075	1.40973	0.16474	1.39152	0.217952	1.06963	0.215842
2.7175	1.40243	0.162566	1.35433	0.209261	1.04754	0.206066
2.7275	1.36073	0.152654	1.30049	0.19945	1.00601	0.194573
2.7375	1.29867	0.14539	1.23894	0.186477	0.951163	0.185408
2.7475	1.22748	0.133345	1.17846	0.179528	0.896083	0.176409
2.7575	1.15607	0.11878	1.13449	0.182334	0.851731	0.171259
2.7675	1.09769	0.113616	1.11357	0.191366	0.823293	0.178201
2.7775	1.06695	0.119054	1.11748	0.215747	0.814213	0.190347
2.7875	1.06069	0.127593	1.1442	0.247077	0.820311	0.212519
2.7975	1.07378	0.143817	1.18643	0.27598	0.846323	0.238834
2.8075	1.10802	0.162411	1.23868	0.311152	0.881695	0.25982
2.8175	1.15057	0.176149	1.29218	0.348508	0.913909	0.282463
2.8275	1.19122	0.19056	1.33021	0.368773	0.936065	0.300857
2.8375	1.22058	0.201695	1.33918	0.380446	0.946907	0.308495
2.8475	1.22672	0.204501	1.32785	0.381578	0.942491	0.304296
2.8575	1.20559	0.19867	1.29081	0.366647	0.916809	0.293181

2.8675	1.16458	0.187243	1.23219	0.34816	0.875144	0.273212
2.8775	1.10855	0.16868	1.16658	0.322815	0.825625	0.243518
2.8875	1.03805	0.146672	1.09353	0.295249	0.772053	0.214848
2.8975	0.964663	0.125049	1.01602	0.261553	0.718559	0.190058
2.9075	0.894509	0.099833	0.941738	0.22334	0.670124	0.162361
2.9175	0.826791	0.0850017	0.877519	0.194534	0.626559	0.137735
2.9275	0.770343	0.0727716	0.830925	0.172804	0.590715	0.121957
2.9375	0.7283	0.0595277	0.790804	0.15666	0.563305	0.110783
2.9475	0.697384	0.0569674	0.755711	0.145259	0.545517	0.101686
2.9575	0.674348	0.0568496	0.73106	0.136818	0.532149	0.0966274
2.9675	0.65425	0.0520594	0.709985	0.131776	0.51937	0.0919664
2.9775	0.634439	0.051717	0.692832	0.133265	0.505986	0.0886304
2.9875	0.61959	0.0521274	0.676935	0.133887	0.494153	0.0866346
2.9975	0.606116	0.0491009	0.659404	0.134178	0.481409	0.0853978
3.0075	0.591902	0.0491779	0.642869	0.13105	0.466335	0.083116
3.0175	0.571093	0.0506016	0.621973	0.126754	0.449168	0.0794335
3.0275	0.552371	0.0501477	0.602487	0.124443	0.431976	0.0782898
3.0375	0.531929	0.0478189	0.583581	0.11968	0.414901	0.0743434
3.0475	0.510352	0.0428152	0.567413	0.112864	0.398422	0.0722996
3.0575	0.492859	0.0443658	0.555119	0.104379	0.387186	0.0700777
3.0675	0.478493	0.042928	0.543743	0.0943363	0.37806	0.069264
3.0775	0.466132	0.0420508	0.53676	0.0891383	0.36901	0.0693777
3.0875	0.45477	0.0422887	0.533565	0.0846873	0.36379	0.0688656
3.0975	0.447686	0.0410831	0.532011	0.0828175	0.361214	0.0690131
3.1075	0.440177	0.0376569	0.538139	0.0804119	0.361225	0.067579
3.1175	0.440293	0.0375774	0.544186	0.0786812	0.362172	0.067455
3.1275	0.445163	0.039015	0.551842	0.0774753	0.365002	0.066805
3.1375	0.451523	0.0384694	0.56166	0.0768046	0.371612	0.0658574
3.1475	0.458486	0.0384468	0.575998	0.0783215	0.380105	0.0688902
3.1575	0.471615	0.0417643	0.596353	0.0786205	0.393277	0.0715675
3.1675	0.488256	0.0426299	0.627497	0.0789071	0.413968	0.0770537
3.1775	0.513552	0.0462002	0.673296	0.0851265	0.442435	0.0826182
3.1875	0.555879	0.0499787	0.738763	0.0950013	0.482972	0.0911198
3.1975	0.611099	0.0536602	0.840032	0.118099	0.543949	0.10251
3.2075	0.697232	0.0644045	0.981688	0.15028	0.630613	0.125494
3.2175	0.819062	0.0781567	1.1655	0.197577	0.749257	0.155041
3.2275	0.979553	0.0984782	1.41036	0.263463	0.906317	0.194665
3.2375	1.18847	0.124049	1.70746	0.34897	1.10498	0.247071
3.2475	1.45295	0.158267	2.06091	0.447526	1.33346	0.30488
3.2575	1.762	0.19258	2.45203	0.553195	1.5913	0.378428
3.2675	2.10128	0.230676	2.85716	0.667895	1.8738	0.455891
3.2775	2.4575	0.279364	3.23308	0.771084	2.14767	0.523754
3.2875	2.80608	0.322188	3.55863	0.858845	2.38868	0.587059
3.2975	3.09478	0.367187	3.79901	0.929303	2.56357	0.636289
3.3075	3.32694	0.38895	3.93366	0.968882	2.6877	0.669202
3.3175	3.45523	0.395435	3.94262	0.95778	2.72866	0.67875
3.3275	3.47443	0.406471	3.82628	0.917537	2.67396	0.665162

3.3375	3.38374	0.400126	3.59593	0.858198	2.5304	0.627515
3.3475	3.19901	0.374066	3.27887	0.776982	2.32241	0.574135
3.3575	2.91735	0.336796	2.91733	0.667209	2.07804	0.512703
3.3675	2.58931	0.292484	2.53325	0.547598	1.80504	0.43782
3.3775	2.24351	0.246884	2.14622	0.446413	1.53553	0.362615
3.3875	1.90095	0.207215	1.80538	0.352675	1.28836	0.299215
3.3975	1.58791	0.169331	1.50788	0.269041	1.07327	0.240692
3.4075	1.31919	0.133921	1.27043	0.203509	0.897492	0.19071
3.4175	1.09158	0.108083	1.09469	0.160506	0.762087	0.15508
3.4275	0.926234	0.0856387	0.973492	0.134283	0.669846	0.132214
3.4375	0.811915	0.0753456	0.905752	0.119404	0.611463	0.118307
3.4475	0.739295	0.0654429	0.879492	0.118273	0.580903	0.109664
3.4575	0.701097	0.0582997	0.884787	0.120759	0.577351	0.107823
3.4675	0.693546	0.0593843	0.930985	0.130709	0.594654	0.109126
3.4775	0.716661	0.0605865	1.00743	0.146323	0.630992	0.116108
3.4875	0.765213	0.0607901	1.12491	0.168051	0.693362	0.129438
3.4975	0.840386	0.0690205	1.30801	0.203678	0.79134	0.147872
3.5075	0.957788	0.08108	1.56485	0.251934	0.931845	0.17388
3.5175	1.13264	0.095137	1.95147	0.321577	1.14364	0.210844
3.5275	1.38993	0.115001	2.53912	0.426576	1.45951	0.265772
3.5375	1.77302	0.146116	3.43374	0.601238	1.93939	0.357453
3.5475	2.34879	0.18969	4.78703	0.860446	2.66799	0.490005
3.5575	3.21193	0.26259	6.78801	1.23359	3.74088	0.686801
3.5675	4.49817	0.363966	9.70571	1.79842	5.30714	0.979051
3.5775	6.35615	0.5126	13.8063	2.59095	7.55003	1.39692
3.5875	8.99184	0.739128	19.3767	3.63072	10.628	1.97697
3.5975	12.6265	1.04303	26.6399	5.01233	14.6999	2.74121
3.6075	17.395	1.42249	35.7199	6.70922	19.8877	3.71621
3.6175	23.4152	1.91076	46.6253	8.69214	26.1595	4.90693
3.6275	30.7052	2.53321	59.0027	10.9659	33.4077	6.29151
3.6375	39.0924	3.21951	72.222	13.3595	41.3588	7.79074
3.6475	48.2373	3.95677	85.6032	15.7238	49.5448	9.34578
3.6575	57.5091	4.73788	97.985	17.9168	57.3359	10.8549
3.6675	66.3172	5.47406	108.263	19.6955	64.1309	12.1583
3.6775	73.9257	6.1269	115.57	20.8973	69.2622	13.1514
3.6875	79.5363	6.618	119.023	21.4456	72.1661	13.7633
3.6975	82.6366	6.90152	118.273	21.2876	72.5697	13.865
3.7075	82.8298	6.92312	113.431	20.4344	70.4508	13.4616
3.7175	80.1448	6.71861	104.977	18.8976	65.9723	12.6298
3.7275	74.8571	6.30547	93.7486	16.811	59.5976	11.4285
3.7375	67.4238	5.69972	80.7938	14.4749	51.9749	9.9744
3.7475	58.6408	4.9967	67.2168	12.0949	43.747	8.43462
3.7575	49.243	4.18792	53.9906	9.76141	35.5585	6.87657
3.7675	39.9055	3.39071	41.9366	7.58038	27.9249	5.40802
3.7775	31.2469	2.68454	31.4989	5.70828	21.2007	4.11881
3.7875	23.6671	2.03122	22.8778	4.16635	15.5751	3.02118
3.7975	17.3672	1.49518	16.1336	2.93807	11.0971	2.149

3.8075	12.3625	1.06301	11.0938	2.01863	7.68957	1.49223
3.8175	8.57245	0.731156	7.48905	1.34871	5.21544	1.0171
3.8275	5.83338	0.503616	5.02724	0.893499	3.50662	0.685265
3.8375	3.92525	0.34144	3.43148	0.592905	2.3773	0.462483
3.8475	2.67787	0.236483	2.48296	0.415323	1.68192	0.323947
3.8575	1.9187	0.168314	1.99878	0.333642	1.29811	0.248711
3.8675	1.49471	0.133618	1.83659	0.303162	1.13391	0.215511
3.8775	1.32094	0.11695	1.92344	0.318437	1.13505	0.212891
3.8875	1.33644	0.112185	2.23292	0.38118	1.27334	0.23733
3.8975	1.50445	0.120491	2.75434	0.486891	1.53697	0.286741
3.9075	1.81445	0.147557	3.49063	0.615987	1.92796	0.357429
3.9175	2.2654	0.186464	4.46717	0.774235	2.4579	0.455961
3.9275	2.8706	0.245612	5.68801	0.989238	3.13119	0.579952
3.9375	3.65355	0.313663	7.1368	1.24367	3.93353	0.733415
3.9475	4.59186	0.38011	8.77223	1.53729	4.85703	0.912825
3.9575	5.66624	0.461131	10.5208	1.84214	5.88633	1.10002
3.9675	6.85418	0.559408	12.3094	2.12766	6.95727	1.29172
3.9775	8.08321	0.673384	14.0129	2.40513	7.9905	1.4854
3.9875	9.26819	0.783721	15.4536	2.63038	8.90539	1.67437
3.9975	10.3147	0.882382	16.5193	2.80157	9.63052	1.81375
4.0075	11.1613	0.952932	17.1168	2.89987	10.0965	1.90111
4.0175	11.709	0.991058	17.1772	2.89922	10.2517	1.93529
4.0275	11.8671	0.998896	16.6792	2.82379	10.0784	1.90372
4.0375	11.6562	0.990479	15.6431	2.64845	9.57925	1.8113
4.0475	11.0918	0.939182	14.2055	2.38604	8.82125	1.67091
4.0575	10.2182	0.8654	12.503	2.09801	7.86623	1.49758
4.0675	9.11243	0.77247	10.6642	1.79893	6.7892	1.30103
4.0775	7.85998	0.665576	8.79311	1.47944	5.67551	1.08909
4.0875	6.58599	0.562885	7.01638	1.1742	4.59257	0.87772
4.0975	5.34718	0.456237	5.44563	0.913638	3.60708	0.689429
4.1075	4.20078	0.359611	4.0991	0.680769	2.75331	0.520503
4.1175	3.21756	0.281135	3.00778	0.491422	2.04555	0.390408
4.1275	2.39758	0.209325	2.15402	0.344639	1.48521	0.284595
4.1375	1.75512	0.14927	1.51427	0.228902	1.06377	0.202567
4.1475	1.26984	0.110111	1.05538	0.154483	0.755261	0.144892
4.1575	0.909739	0.0788295	0.734104	0.105278	0.538846	0.102182
4.1675	0.656914	0.0614459	0.522055	0.0707184	0.390122	0.0743163
4.1775	0.484954	0.047822	0.382411	0.0500783	0.293421	0.0603005
4.1875	0.37274	0.0375684	0.297387	0.0422604	0.229563	0.0487612
4.1975	0.301687	0.0312128	0.245643	0.0403201	0.191573	0.0423882
4.2075	0.256421	0.029052	0.216813	0.0377648	0.171006	0.0414836
4.2175	0.230051	0.0266892	0.203319	0.036367	0.158723	0.0403513
4.2275	0.217035	0.0254582	0.194656	0.0367866	0.152014	0.0373176
4.2375	0.209666	0.0280772	0.188088	0.0368141	0.148134	0.0371587
4.2475	0.205626	0.0288596	0.186665	0.0368223	0.147471	0.0378385
4.2575	0.203807	0.0277602	0.188931	0.0385954	0.147244	0.0377353
4.2675	0.204941	0.0279511	0.189486	0.0381789	0.147047	0.0373109

4.2775	0.207152	0.0267879	0.190203	0.0375882	0.148517	0.0373036
4.2875	0.208546	0.0269344	0.193682	0.0388675	0.149738	0.0376048
4.2975	0.207545	0.0276951	0.196586	0.040146	0.150287	0.0358895
4.3075	0.209622	0.0260113	0.199252	0.0395684	0.152615	0.0368418
4.3175	0.213989	0.0269615	0.204922	0.0412158	0.156498	0.0363346
4.3275	0.217247	0.0284831	0.212458	0.047329	0.160339	0.0365952
4.3375	0.223329	0.0318301	0.225992	0.0538011	0.166089	0.0389123
4.3475	0.230656	0.0311411	0.245448	0.0643821	0.174879	0.0386132
4.3575	0.240555	0.0307228	0.271597	0.0808132	0.186844	0.0395325
4.3675	0.25649	0.0359277	0.307992	0.105252	0.204459	0.042972
4.3775	0.280069	0.0395492	0.35612	0.146097	0.227339	0.0469538
4.3875	0.310655	0.0435974	0.423975	0.199883	0.2558	0.0535769
4.3975	0.351992	0.0494516	0.510125	0.271896	0.298893	0.0625052
4.4075	0.405587	0.0645529	0.619478	0.369223	0.350958	0.0743812
4.4175	0.477227	0.0855907	0.753071	0.489652	0.414055	0.0891591
4.4275	0.561549	0.108653	0.905953	0.638358	0.488635	0.10644
4.4375	0.658846	0.137971	1.08172	0.815875	0.575395	0.128642
4.4475	0.773466	0.174823	1.26187	0.99421	0.666447	0.149331
4.4575	0.900772	0.208619	1.44791	1.18172	0.759815	0.175078
4.4675	1.03253	0.248262	1.62812	1.37669	0.848242	0.200331
4.4775	1.16297	0.2925	1.77757	1.53673	0.931283	0.219543
4.4875	1.28629	0.336847	1.89332	1.65268	1.00157	0.238997
4.4975	1.37962	0.367636	1.96925	1.74779	1.04714	0.25012
4.5075	1.45197	0.403289	1.98585	1.79241	1.07362	0.257149
4.5175	1.49625	0.417616	1.94754	1.76571	1.06821	0.259788
4.5275	1.49875	0.417551	1.87319	1.70615	1.03452	0.251889
4.5375	1.46529	0.410278	1.75213	1.59209	0.977252	0.238367
4.5475	1.39872	0.393608	1.58752	1.42135	0.904257	0.217863
4.5575	1.29389	0.361897	1.40866	1.24952	0.820694	0.196192
4.5675	1.17339	0.321352	1.22454	1.05231	0.718275	0.167914
4.5775	1.05618	0.277051	1.04286	0.860725	0.628824	0.144342
4.5875	0.93204	0.237084	0.872645	0.688639	0.540824	0.123769
4.5975	0.811023	0.201299	0.720833	0.530047	0.459195	0.0996021
4.6075	0.692522	0.16721	0.599045	0.393443	0.395528	0.0852319
4.6175	0.597207	0.134287	0.49932	0.282799	0.342945	0.073949
4.6275	0.522003	0.11378	0.425011	0.203666	0.296824	0.06651
4.6375	0.454969	0.100244	0.369095	0.138799	0.263538	0.059814
4.6475	0.405104	0.0842092	0.328926	0.10255	0.244211	0.054592
4.6575	0.367421	0.0760745	0.305298	0.0749836	0.227094	0.0505717
4.6675	0.343019	0.0687293	0.291291	0.0589376	0.216919	0.0461967
4.6775	0.323083	0.0630952	0.278175	0.0528695	0.209799	0.0499794
4.6875	0.307756	0.063604	0.271461	0.0524519	0.204351	0.0486995
4.6975	0.294662	0.0548461	0.270441	0.0515647	0.204733	0.0478756
4.7075	0.288291	0.0492627	0.27133	0.051464	0.206795	0.0499194
4.7175	0.285285	0.0462183	0.278716	0.0548145	0.206375	0.0471623
4.7275	0.282013	0.040604	0.285992	0.0598668	0.208289	0.046733
4.7375	0.286282	0.0387714	0.290707	0.0643521	0.210252	0.0471376

4.7475	0.288612	0.0354217	0.301941	0.0718993	0.216092	0.0488428
4.7575	0.294378	0.0369188	0.31492	0.0860212	0.225551	0.0515005
4.7675	0.302484	0.0394258	0.33178	0.0948332	0.232467	0.0512134
4.7775	0.315232	0.0366163	0.348961	0.111931	0.241345	0.0505835
4.7875	0.327121	0.0354927	0.365078	0.125699	0.252853	0.0542183
4.7975	0.346476	0.0382647	0.386647	0.143272	0.26655	0.057997
4.8075	0.361189	0.0391038	0.409159	0.153854	0.277262	0.0609021
4.8175	0.376864	0.0435177	0.429879	0.163965	0.290406	0.0626005
4.8275	0.398561	0.0463045	0.453725	0.173666	0.302151	0.0615546
4.8375	0.417992	0.0490057	0.480343	0.183669	0.315527	0.0674221
4.8475	0.437693	0.0525427	0.501322	0.190232	0.332032	0.0708647
4.8575	0.456224	0.058755	0.524186	0.196798	0.346273	0.0741072
4.8675	0.475672	0.0673244	0.548085	0.206069	0.36405	0.0805927
4.8775	0.503663	0.075451	0.571014	0.213972	0.375362	0.0842698
4.8875	0.531017	0.0826098	0.595995	0.232639	0.389307	0.0881151
4.8975	0.55374	0.0874958	0.614852	0.244739	0.405269	0.0925711
4.9075	0.576932	0.0998398	0.630287	0.265252	0.420311	0.101735
4.9175	0.599075	0.108855	0.639379	0.276473	0.430775	0.108294
4.9275	0.619722	0.112707	0.643418	0.280264	0.437842	0.115254
4.9375	0.632077	0.117291	0.637186	0.27766	0.436691	0.120389
4.9475	0.641651	0.12214	0.626187	0.267684	0.438136	0.127043
4.9575	0.644961	0.123457	0.610383	0.260397	0.436306	0.137049
4.9675	0.635246	0.118428	0.586408	0.234888	0.424408	0.136584
4.9775	0.619025	0.114496	0.55459	0.203512	0.409529	0.144561
4.9875	0.601476	0.104695	0.527117	0.186109	0.394073	0.149919
4.9975	0.569934	0.103861	0.488045	0.165507	0.376124	0.1554
5.0075	0.541258	0.0878967	0.450796	0.135919	0.361231	0.157829
5.0175	0.512275	0.081074	0.421473	0.115614	0.345724	0.164405
5.0275	0.486338	0.0766446	0.39161	0.0977266	0.328022	0.16453
5.0375	0.458783	0.0654236	0.368307	0.0843119	0.312229	0.163279
5.0475	0.428533	0.0515106	0.348561	0.0701046	0.30306	0.160443
5.0575	0.414131	0.0477457	0.33378	0.0679058	0.294689	0.16472
5.0675	0.396312	0.048081	0.32635	0.0654374	0.285321	0.161613
5.0775	0.381499	0.0455656	0.319463	0.0601415	0.277843	0.152691
5.0875	0.368707	0.042571	0.31785	0.0637808	0.274891	0.144698
5.0975	0.36254	0.0404706	0.317128	0.063841	0.276773	0.148931
5.1075	0.362498	0.0421704	0.318043	0.0627633	0.274107	0.141341
5.1175	0.356866	0.0415498	0.318955	0.0685441	0.272024	0.129637
5.1275	0.35841	0.0415084	0.325226	0.0692876	0.273035	0.125257
5.1375	0.360309	0.0435132	0.3283	0.0716988	0.273084	0.117453
5.1475	0.361127	0.0424765	0.329374	0.0743558	0.274762	0.117484
5.1575	0.363888	0.0414109	0.332671	0.0709414	0.272451	0.109214
5.1675	0.366167	0.0432015	0.335824	0.0739725	0.271612	0.105411
5.1775	0.365027	0.0437191	0.334968	0.074559	0.27422	0.0995638
5.1875	0.366468	0.0430763	0.336102	0.0721661	0.27361	0.0975461
5.1975	0.367238	0.04138	0.335229	0.0693031	0.273813	0.0918808
5.2075	0.367037	0.0399159	0.334488	0.0714257	0.270167	0.0855005

5.2175	0.370231	0.0436594	0.334574	0.0695267	0.265353	0.0794399
5.2275	0.367847	0.0410166	0.326071	0.062974	0.265255	0.0786636
5.2375	0.372872	0.0423036	0.324456	0.0614279	0.266	0.0777768
5.2475	0.374688	0.0428487	0.325741	0.0616854	0.265634	0.0717454
5.2575	0.379244	0.0419763	0.327622	0.0624611	0.264558	0.0677667
5.2675	0.386557	0.0454354	0.327029	0.0613394	0.266193	0.070638
5.2775	0.39651	0.0497864	0.331309	0.0603511	0.273448	0.0714066
5.2875	0.411572	0.0492007	0.333912	0.0638758	0.281259	0.069883
5.2975	0.433517	0.0561009	0.340011	0.0682246	0.292837	0.0770825
5.3075	0.463766	0.0659486	0.347638	0.0733835	0.30723	0.082831
5.3175	0.502901	0.071084	0.358796	0.0757315	0.325935	0.0940626
5.3275	0.550133	0.0834154	0.37	0.0804714	0.34845	0.0999695
5.3375	0.611084	0.103028	0.387446	0.0916461	0.371967	0.115346
5.3475	0.684709	0.128517	0.405067	0.102438	0.408593	0.140471
5.3575	0.764169	0.151618	0.423775	0.114432	0.440213	0.163064
5.3675	0.852732	0.184958	0.445448	0.122513	0.475125	0.184108
5.3775	0.940999	0.21209	0.464292	0.134236	0.505139	0.204581
5.3875	1.03182	0.236353	0.473752	0.140332	0.536735	0.231226
5.3975	1.11702	0.26773	0.488336	0.147672	0.557961	0.243899
5.4075	1.18195	0.291801	0.505691	0.153175	0.578804	0.247375
5.4175	1.23175	0.30524	0.50667	0.153969	0.590176	0.264409
5.4275	1.25924	0.312062	0.506654	0.155738	0.589099	0.255928
5.4375	1.26874	0.310606	0.507581	0.145979	0.577755	0.245431
5.4475	1.25134	0.300658	0.494168	0.134958	0.564146	0.235051
5.4575	1.20755	0.281026	0.488294	0.133742	0.547189	0.214419
5.4675	1.14366	0.257584	0.480946	0.125742	0.51717	0.193369
5.4775	1.06719	0.240822	0.467557	0.115665	0.490966	0.177047
5.4875	0.985049	0.209456	0.453975	0.112408	0.461521	0.153323
5.4975	0.895394	0.179039	0.443094	0.104465	0.435395	0.134644
5.5075	0.814668	0.152975	0.434908	0.100495	0.414907	0.129373
5.5175	0.74611	0.124751	0.423839	0.0963463	0.390773	0.111588
5.5275	0.669337	0.107502	0.420409	0.0916729	0.372346	0.0989682
5.5375	0.613754	0.0908819	0.415873	0.0916714	0.357903	0.0955207
5.5475	0.568623	0.0772382	0.407792	0.0905892	0.347917	0.0889824
5.5575	0.527648	0.0695395	0.409768	0.0902326	0.342723	0.0919873
5.5675	0.504381	0.0620832	0.406258	0.0905917	0.337352	0.08869
5.5775	0.482898	0.0629064	0.400268	0.0916897	0.325728	0.0904083
5.5875	0.464337	0.0590538	0.398857	0.089925	0.32735	0.0871069
5.5975	0.457149	0.0542647	0.39674	0.085628	0.327058	0.0902516
5.6075	0.452747	0.0563697	0.395223	0.0871706	0.325391	0.0887988
5.6175	0.45439	0.0555631	0.398868	0.0887857	0.327515	0.087393
5.6275	0.449323	0.0572165	0.398595	0.0865011	0.326082	0.091318
5.6375	0.446283	0.05515	0.394059	0.0877652	0.325433	0.0904512
5.6475	0.447178	0.0585498	0.395002	0.0793557	0.32887	0.0934386
5.6575	0.449732	0.0560776	0.397734	0.0853936	0.331175	0.0936959
5.6675	0.452263	0.0588292	0.401395	0.0861664	0.335995	0.0956677
5.6775	0.457291	0.0538073	0.402151	0.0837958	0.339024	0.0966086

5.6875	0.465435	0.0573193	0.41065	0.0878067	0.347357	0.0989492
5.6975	0.470954	0.0572358	0.413921	0.0840695	0.351634	0.107029
5.7075	0.471803	0.0603649	0.413861	0.0807098	0.356282	0.111557
5.7175	0.477202	0.0545416	0.428347	0.0854135	0.368725	0.116435
5.7275	0.484286	0.0627126	0.440493	0.0910912	0.374425	0.119134
5.7375	0.499673	0.0637306	0.461766	0.0980528	0.386045	0.129119
5.7475	0.512426	0.063837	0.486264	0.107266	0.400452	0.127931
5.7575	0.530077	0.0627409	0.519079	0.119211	0.421683	0.147399
5.7675	0.553157	0.0664665	0.552589	0.143928	0.449444	0.151239
5.7775	0.582508	0.0757418	0.598637	0.164069	0.4732	0.153066
5.7875	0.621797	0.0761416	0.665005	0.203053	0.510469	0.167328
5.7975	0.663122	0.0891975	0.741956	0.24546	0.553066	0.175148
5.8075	0.71885	0.0977917	0.828151	0.308441	0.606825	0.186208
5.8175	0.790263	0.105313	0.928055	0.375973	0.66601	0.19893
5.8275	0.865945	0.119508	1.03902	0.434928	0.733549	0.217834
5.8375	0.955027	0.13363	1.15559	0.496086	0.803113	0.234097
5.8475	1.05942	0.153306	1.27054	0.592571	0.876736	0.251632
5.8575	1.1663	0.189115	1.38049	0.665402	0.952125	0.267454
5.8675	1.27711	0.210039	1.47897	0.730315	1.02136	0.283144
5.8775	1.37303	0.224778	1.54692	0.766332	1.07531	0.289307
5.8875	1.46412	0.244899	1.59865	0.798911	1.1176	0.30861
5.8975	1.54323	0.261597	1.61661	0.795417	1.14218	0.310818
5.9075	1.60129	0.278538	1.61702	0.791602	1.15182	0.313675
5.9175	1.62062	0.28234	1.58155	0.773239	1.14614	0.308114
5.9275	1.61985	0.27165	1.52531	0.725615	1.11065	0.292074
5.9375	1.6065	0.27273	1.43738	0.661226	1.06563	0.285826
5.9475	1.55277	0.258012	1.34015	0.586699	1.0075	0.264702
5.9575	1.4824	0.239441	1.23463	0.508033	0.942692	0.252426
5.9675	1.40285	0.218256	1.13276	0.445122	0.879774	0.235876
5.9775	1.31516	0.200258	1.03225	0.384175	0.816369	0.21176
5.9875	1.22741	0.175806	0.939289	0.308204	0.753689	0.198031
5.9975	1.12894	0.156948	0.866793	0.260493	0.693049	0.179901
6.0075	1.04479	0.142078	0.802007	0.215119	0.64025	0.166698
6.0175	0.965677	0.128257	0.740633	0.17702	0.603801	0.15141
6.0275	0.908391	0.120272	0.711285	0.164683	0.572313	0.147874
6.0375	0.84843	0.102039	0.677437	0.14052	0.548173	0.142397
6.0475	0.807591	0.0993857	0.663028	0.134197	0.532948	0.141096
6.0575	0.777791	0.101019	0.648522	0.132453	0.520572	0.142134
6.0675	0.758935	0.0963871	0.644783	0.126909	0.514172	0.142307
6.0775	0.742765	0.100925	0.652988	0.13164	0.51376	0.135636
6.0875	0.743353	0.0987349	0.656271	0.134075	0.514794	0.137442
6.0975	0.743634	0.103081	0.658801	0.141005	0.520203	0.141834
6.1075	0.745177	0.102723	0.672628	0.146635	0.528233	0.144793
6.1175	0.757203	0.109475	0.689469	0.155662	0.540345	0.147225
6.1275	0.775729	0.110811	0.712841	0.157996	0.558314	0.156168
6.1375	0.795291	0.120052	0.733821	0.174114	0.577872	0.166838
6.1475	0.817582	0.124131	0.761682	0.185743	0.601795	0.174985



6.1575	0.857066	0.127179	0.811148	0.196866	0.631296	0.192501
6.1675	0.895776	0.141543	0.867842	0.218332	0.675984	0.207417
6.1775	0.9463	0.149992	0.953434	0.248117	0.730577	0.227772
6.1875	1.02547	0.169785	1.07767	0.294334	0.809261	0.264395
6.1975	1.13393	0.187612	1.26274	0.351806	0.936462	0.306425
6.2075	1.29559	0.22551	1.54035	0.454407	1.13203	0.384332
6.2175	1.53095	0.272525	1.95532	0.601242	1.40113	0.484124
6.2275	1.88029	0.350656	2.56506	0.816339	1.8162	0.641783
6.2375	2.40258	0.446152	3.42279	1.12003	2.41336	0.863121
6.2475	3.17771	0.612091	4.65672	1.55082	3.26684	1.1901
6.2575	4.27328	0.831021	6.32035	2.14535	4.44875	1.65399
6.2675	5.82907	1.1525	8.59299	2.93168	6.06123	2.27552
6.2775	7.97098	1.57876	11.5369	3.95952	8.17516	3.08901
6.2875	10.8485	2.18639	15.1844	5.22758	10.9213	4.12884
6.2975	14.5785	2.9574	19.6939	6.7876	14.3196	5.45573
6.3075	19.3114	3.94243	25.0397	8.62213	18.4193	7.05271
6.3175	25.1193	5.09918	31.1001	10.7131	23.1751	8.95235
6.3275	32.0449	6.55022	37.8063	13.0418	28.5552	11.029
6.3375	39.9764	8.22174	44.8269	15.4313	34.3627	13.3243
6.3475	48.6996	9.98278	51.9071	17.9054	40.3773	15.7352
6.3575	57.8951	11.872	58.63	20.1687	46.2833	18.0931
6.3675	67.2599	13.8326	64.5834	22.3151	51.7469	20.2647
6.3775	76.2458	15.7229	69.4996	24.013	56.4269	22.1482
6.3875	84.2553	17.3966	72.8352	25.2316	60.0271	23.6009
6.3975	90.9239	18.7401	74.4404	25.7654	62.2705	24.624
6.4075	95.5409	19.7439	74.2162	25.7454	62.9776	24.9957
6.4175	97.9757	20.2335	72.1465	25.0923	62.1533	24.6926
6.4275	97.9601	20.2822	68.3705	23.8311	59.7428	23.8355
6.4375	95.5627	19.7916	63.1607	22.1136	56.0337	22.409
6.4475	90.7711	18.7883	56.9756	19.9207	51.2655	20.5217
6.4575	84.218	17.4608	50.0977	17.5354	45.6862	18.3042
6.4675	76.1104	15.8146	42.9536	15.0235	39.7873	16.0146
6.4775	67.1414	13.9706	35.9233	12.6883	33.7557	13.6103
6.4875	57.7032	12.0405	29.3798	10.3516	27.966	11.2518
6.4975	48.4559	10.1053	23.4187	8.29232	22.5837	9.1066
6.5075	39.6955	8.21901	18.3364	6.49177	17.8517	7.19251
6.5175	31.7542	6.59948	14.011	4.96498	13.8188	5.56203
6.5275	24.8246	5.1151	10.4523	3.67287	10.4431	4.16743
6.5375	18.9927	3.94854	7.70326	2.69371	7.7644	3.09017
6.5475	14.2228	2.92954	5.58361	1.9162	5.67855	2.22811
6.5575	10.4752	2.14609	4.03274	1.36839	4.10258	1.58348
6.5675	7.58072	1.55453	2.90356	0.934638	2.94683	1.1006
6.5775	5.41893	1.07479	2.11128	0.640688	2.13641	0.771894
6.5875	3.87877	0.747474	1.56658	0.439719	1.56641	0.532638
6.5975	2.79202	0.522708	1.20748	0.311428	1.18104	0.361596
6.6075	2.04429	0.362836	0.973882	0.229509	0.931447	0.270677
6.6175	1.53796	0.255469	0.826598	0.170404	0.764923	0.202182

6.6275	1.21575	0.190497	0.733783	0.142981	0.666448	0.168946
6.6375	1.0048	0.147646	0.679688	0.118357	0.598825	0.137371
6.6475	0.870576	0.120709	0.648136	0.105387	0.562253	0.125487
6.6575	0.790384	0.100843	0.6276	0.103315	0.541142	0.121441
6.6675	0.745735	0.0971234	0.611922	0.0939584	0.528458	0.119052
6.6775	0.717558	0.0852256	0.614885	0.0943618	0.521869	0.118357
6.6875	0.699097	0.0828196	0.614509	0.0897042	0.51526	0.111662
6.6975	0.6905	0.0812036	0.617302	0.093121	0.517952	0.113429
6.7075	0.687996	0.0871343	0.625398	0.0930195	0.521055	0.114243
6.7175	0.686863	0.0857161	0.627718	0.0942546	0.522251	0.116013
6.7275	0.693572	0.0823656	0.633928	0.0922639	0.524014	0.120624
6.7375	0.694585	0.0808557	0.642637	0.102485	0.528226	0.118105
6.7475	0.699563	0.0866129	0.649474	0.0969355	0.536522	0.118798
6.7575	0.70512	0.0860496	0.66175	0.101669	0.542067	0.121781
6.7675	0.709942	0.0857431	0.673866	0.101272	0.54935	0.123277
6.7775	0.725158	0.086691	0.680477	0.10613	0.562301	0.127383
6.7875	0.741997	0.0881939	0.704678	0.115194	0.576544	0.130083
6.7975	0.753318	0.0976054	0.720981	0.115558	0.583863	0.131053
6.8075	0.76886	0.0957483	0.745992	0.11891	0.601391	0.146654
6.8175	0.790611	0.101817	0.767745	0.125473	0.623783	0.147328
6.8275	0.820368	0.106987	0.808572	0.142927	0.641247	0.150987
6.8375	0.849729	0.114733	0.84657	0.154505	0.673289	0.163335
6.8475	0.891326	0.121741	0.896789	0.164984	0.710272	0.171547
6.8575	0.935653	0.129792	0.970664	0.193562	0.755703	0.181001
6.8675	0.994669	0.147545	1.06223	0.221593	0.81937	0.202834
6.8775	1.07339	0.161175	1.17519	0.254407	0.908032	0.234658
6.8875	1.18162	0.178379	1.34342	0.312025	1.02234	0.277789
6.8975	1.32524	0.217127	1.551	0.375524	1.16018	0.33466
6.9075	1.51215	0.247597	1.81649	0.461309	1.35882	0.404292
6.9175	1.75541	0.305572	2.16332	0.562453	1.60073	0.481823
6.9275	2.07786	0.368295	2.60232	0.704463	1.92836	0.59328
6.9375	2.49587	0.44244	3.14358	0.876111	2.32503	0.758017
6.9475	3.03028	0.554934	3.79468	1.09167	2.81919	0.931057
6.9575	3.68758	0.701102	4.55253	1.32465	3.3976	1.1578
6.9675	4.48131	0.867832	5.41176	1.5966	4.06891	1.40434
6.9775	5.43788	1.04154	6.35991	1.90159	4.81625	1.66982
6.9875	6.51044	1.27887	7.32194	2.21686	5.64143	1.97718
6.9975	7.71707	1.53478	8.3634	2.54861	6.50628	2.31215
7.0075	9.01916	1.80493	9.34096	2.85839	7.33157	2.60607
7.0175	10.3504	2.09078	10.2294	3.14347	8.13094	2.91708
7.0275	11.6289	2.37394	10.9557	3.38245	8.84887	3.22708
7.0375	12.8827	2.60155	11.5235	3.56801	9.43109	3.44759
7.0475	13.8911	2.82218	11.8726	3.66365	9.83875	3.58225
7.0575	14.7169	3.01557	11.9351	3.68962	10.0595	3.67911
7.0675	15.2622	3.09139	11.7633	3.64706	10.0237	3.68305
7.0775	15.4656	3.14898	11.3476	3.48341	9.79994	3.59404
7.0875	15.3494	3.13026	10.6864	3.30149	9.37064	3.46975

7.0975	14.9037	3.05941	9.84521	3.03296	8.73959	3.19194
7.1075	14.0971	2.86856	8.89539	2.71131	8.02744	2.94711
7.1175	13.101	2.65198	7.85428	2.40335	7.1682	2.61468
7.1275	11.8829	2.39156	6.80336	2.05171	6.29398	2.31725
7.1375	10.555	2.10895	5.80225	1.74718	5.42351	1.93953
7.1475	9.20874	1.84668	4.8512	1.42442	4.58284	1.64207
7.1575	7.84163	1.57038	3.98113	1.15202	3.79078	1.33199
7.1675	6.55859	1.28085	3.22244	0.903249	3.0912	1.06313
7.1775	5.38453	1.04414	2.58857	0.704823	2.48447	0.826861
7.1875	4.35152	0.813081	2.06156	0.528902	1.98702	0.635627
7.1975	3.46822	0.636168	1.64604	0.388028	1.58548	0.488645
7.2075	2.73806	0.478179	1.3245	0.280879	1.25319	0.356511
7.2175	2.14632	0.367433	1.08812	0.21198	1.01719	0.273812
7.2275	1.68824	0.256281	0.907735	0.150581	0.821313	0.196917
7.2375	1.33342	0.191255	0.785481	0.110133	0.692926	0.15396
7.2475	1.06094	0.136898	0.693025	0.0777165	0.593021	0.119385
7.2575	0.877334	0.101898	0.639078	0.0667665	0.526901	0.103966
7.2675	0.739586	0.0742831	0.609449	0.0628953	0.490022	0.0920435
7.2775	0.647576	0.0596715	0.602386	0.0666375	0.463367	0.0828096
7.2875	0.589825	0.0544532	0.600894	0.0654464	0.447344	0.0781838
7.2975	0.558173	0.0423667	0.615192	0.0764644	0.449803	0.082353
7.3075	0.5316	0.0450636	0.635833	0.0793359	0.451746	0.0772271
7.3175	0.524651	0.0415354	0.667999	0.0969221	0.455728	0.0739676
7.3275	0.529714	0.0435468	0.70598	0.116101	0.477237	0.0834643
7.3375	0.54144	0.0450063	0.745255	0.138862	0.496733	0.0828166
7.3475	0.54991	0.0484562	0.799284	0.175438	0.525016	0.0903204
7.3575	0.572124	0.0446858	0.859316	0.224444	0.556875	0.0951053
7.3675	0.594453	0.0480326	0.930293	0.27985	0.587587	0.106045
7.3775	0.627188	0.0508989	1.01452	0.363351	0.627583	0.111609
7.3875	0.664213	0.0623696	1.08717	0.4172	0.665014	0.125494
7.3975	0.706485	0.0621975	1.17508	0.512333	0.720177	0.138419
7.4075	0.739404	0.0716222	1.26099	0.604395	0.769421	0.151988
7.4175	0.787514	0.0762703	1.33556	0.691501	0.818055	0.163589
7.4275	0.835353	0.0889603	1.41949	0.787825	0.862907	0.182577
7.4375	0.876753	0.100172	1.48573	0.866106	0.912811	0.199986
7.4475	0.921432	0.109431	1.53828	0.938614	0.948844	0.20364
7.4575	0.960524	0.110531	1.57559	0.983126	0.976023	0.218949
7.4675	0.996542	0.124304	1.58521	1.02891	0.990594	0.220717
7.4775	1.01836	0.132781	1.57299	1.01464	0.994213	0.234578
7.4875	1.03336	0.13919	1.54274	1.00153	0.991833	0.225069
7.4975	1.03791	0.14052	1.50045	0.957238	0.968208	0.222819
7.5075	1.03229	0.142142	1.4171	0.894379	0.941348	0.199656
7.5175	1.01213	0.136356	1.34323	0.822372	0.904921	0.203091
7.5275	0.976104	0.13426	1.24898	0.759384	0.8588	0.188693
7.5375	0.940994	0.120267	1.15309	0.65229	0.809132	0.176557
7.5475	0.897053	0.109049	1.06126	0.575753	0.753678	0.155438
7.5575	0.851336	0.108242	0.971987	0.474598	0.708209	0.138028

7.5675	0.805327	0.100013	0.880446	0.404519	0.657291	0.12544
7.5775	0.754841	0.0889819	0.811727	0.327407	0.614742	0.114009
7.5875	0.711213	0.0831416	0.750772	0.254574	0.574289	0.100604
7.5975	0.668171	0.0763687	0.699	0.210658	0.548734	0.0955317
7.6075	0.63531	0.067605	0.656217	0.160653	0.52148	0.0939989
7.6175	0.613561	0.0688344	0.624713	0.126784	0.500253	0.0869292
7.6275	0.581004	0.0645406	0.601739	0.102087	0.485575	0.0862412
7.6375	0.566557	0.0585973	0.583523	0.0919164	0.481949	0.087301
7.6475	0.554828	0.0553818	0.574346	0.0769836	0.469806	0.0837073
7.6575	0.546698	0.0519341	0.568644	0.073219	0.460841	0.0843448
7.6675	0.535533	0.0526142	0.564411	0.0662374	0.458474	0.0853001
7.6775	0.533387	0.0496972	0.559643	0.0653191	0.463315	0.0875517
7.6875	0.529016	0.0459545	0.560572	0.0585853	0.461992	0.0866369
7.6975	0.528549	0.0466848	0.554305	0.0600104	0.456591	0.0867196
7.7075	0.527364	0.0444032	0.561743	0.0646721	0.459162	0.093537
7.7175	0.525279	0.0443662	0.55755	0.0677084	0.456297	0.0933542
7.7275	0.520252	0.043625	0.553785	0.0567254	0.458919	0.0925218
7.7375	0.522219	0.0427622	0.549222	0.0638233	0.457058	0.0899406
7.7475	0.51973	0.0431499	0.551898	0.0618779	0.459155	0.0941531
7.7575	0.517	0.0424196	0.548995	0.0625014	0.454916	0.0894451
7.7675	0.519924	0.0430705	0.544755	0.0619501	0.451804	0.0894856
7.7775	0.516523	0.0413625	0.540851	0.0631766	0.447956	0.0901101
7.7875	0.513367	0.0423076	0.540656	0.0591226	0.451023	0.0916783
7.7975	0.514332	0.0416412	0.539321	0.0668232	0.451953	0.0837906
7.8075	0.508025	0.0405694	0.536043	0.0655293	0.444915	0.0836665
7.8175	0.511303	0.0382439	0.536838	0.0726167	0.446018	0.0846428
7.8275	0.511002	0.0449235	0.543334	0.0800616	0.445838	0.0855152
7.8375	0.508042	0.0431225	0.540133	0.0850729	0.448061	0.0853163
7.8475	0.508718	0.0402395	0.551659	0.103163	0.449784	0.0836167
7.8575	0.507077	0.0410211	0.560205	0.113342	0.452736	0.0785441
7.8675	0.509682	0.0394306	0.573939	0.15112	0.456925	0.0837699
7.8775	0.514125	0.0444462	0.598024	0.208152	0.465036	0.082554
7.8875	0.523676	0.0385116	0.61864	0.265822	0.478752	0.0824785
7.8975	0.525489	0.0394464	0.65015	0.355255	0.492515	0.0796022
7.9075	0.539292	0.041249	0.689662	0.448372	0.513683	0.0835366
7.9175	0.550611	0.0390403	0.744784	0.588092	0.535806	0.0912477
7.9275	0.568833	0.0401839	0.79881	0.73282	0.562493	0.10055
7.9375	0.591879	0.0419305	0.87117	0.920398	0.601423	0.108157
7.9475	0.62461	0.0518865	0.951167	1.14935	0.641529	0.126782
7.9575	0.659239	0.048726	1.03927	1.36456	0.684016	0.12987
7.9675	0.699312	0.0579294	1.1342	1.59751	0.739373	0.153775
7.9775	0.750846	0.0604589	1.22959	1.8633	0.796697	0.167014
7.9875	0.79908	0.0651143	1.32472	2.08897	0.855676	0.192085
7.9975	0.85074	0.0728982	1.40495	2.35377	0.907164	0.21251
8.0075	0.903014	0.0797657	1.47687	2.55124	0.955581	0.231882
8.0175	0.953626	0.0908614	1.55197	2.73363	0.992696	0.244194
8.0275	1.0037	0.0874596	1.59213	2.88294	1.03286	0.264978

8.0375	1.05151	0.0991072	1.61996	2.91669	1.05453	0.265749
8.0475	1.07797	0.104645	1.60991	2.87845	1.06421	0.267043
8.0575	1.10243	0.106086	1.60307	2.87044	1.06454	0.266752
8.0675	1.11335	0.109028	1.55452	2.68903	1.0444	0.254282
8.0775	1.11462	0.105013	1.49653	2.56133	1.02273	0.253493
8.0875	1.09768	0.0970694	1.42484	2.3663	0.982902	0.235714
8.0975	1.0753	0.104236	1.3427	2.10396	0.946129	0.226255
8.1075	1.04407	0.102996	1.24618	1.88625	0.899127	0.194667
8.1175	1.00618	0.0933949	1.16218	1.60619	0.845643	0.183238
8.1275	0.967699	0.0861452	1.07365	1.3292	0.797538	0.162022
8.1375	0.920238	0.0873343	0.998526	1.1249	0.753094	0.136933
8.1475	0.867283	0.0765861	0.929988	0.918328	0.711032	0.130279
8.1575	0.833678	0.0681517	0.874422	0.727125	0.675383	0.118741
8.1675	0.790515	0.0650577	0.82718	0.555731	0.649085	0.104274
8.1775	0.754377	0.063701	0.794015	0.44254	0.621984	0.0986972
8.1875	0.727429	0.0606255	0.768071	0.338514	0.609482	0.0993402
8.1975	0.701955	0.0583148	0.752676	0.27107	0.595024	0.0877137
8.2075	0.688175	0.0555954	0.744501	0.218801	0.590557	0.0937508
8.2175	0.681062	0.0567282	0.737675	0.18286	0.589551	0.0920478
8.2275	0.665792	0.0571801	0.739583	0.171615	0.589791	0.0933219
8.2375	0.662487	0.0580817	0.746728	0.165825	0.591448	0.0939514
8.2475	0.663151	0.0555235	0.741989	0.156796	0.598052	0.0966664
8.2575	0.663491	0.0561146	0.744601	0.157695	0.59913	0.09736
8.2675	0.663956	0.0580868	0.741632	0.160858	0.605267	0.0996335
8.2775	0.671101	0.0645568	0.732545	0.15593	0.609032	0.102027
8.2875	0.678742	0.0588588	0.73565	0.149528	0.60653	0.104537
8.2975	0.672426	0.0609401	0.729441	0.144756	0.611275	0.110428
8.3075	0.674403	0.0570426	0.721525	0.136033	0.611729	0.112797
8.3175	0.670933	0.0584847	0.711878	0.120201	0.60861	0.11405
8.3275	0.675665	0.0502171	0.703235	0.117738	0.60753	0.126048
8.3375	0.670823	0.0517668	0.686879	0.106715	0.604208	0.126708
8.3475	0.671141	0.0564834	0.685928	0.102281	0.606912	0.125561
8.3575	0.667603	0.0514633	0.676871	0.0877296	0.602294	0.130945
8.3675	0.664838	0.0537437	0.670257	0.0824748	0.603026	0.137853
8.3775	0.660974	0.0537853	0.663711	0.0838301	0.601126	0.141364
8.3875	0.661255	0.0522806	0.659525	0.0757379	0.60578	0.14718
8.3975	0.660816	0.0531984	0.656385	0.0681358	0.60972	0.14537
8.4075	0.672613	0.0556614	0.655966	0.0695959	0.608357	0.151063
8.4175	0.665661	0.0524594	0.65818	0.0663572	0.613819	0.154937
8.4275	0.673361	0.0499248	0.658569	0.0624283	0.614631	0.149126
8.4375	0.674262	0.053868	0.669742	0.0629897	0.618134	0.153419
8.4475	0.678621	0.0522891	0.685069	0.0677185	0.627385	0.150128
8.4575	0.694201	0.0491632	0.695561	0.0658264	0.631677	0.149799
8.4675	0.706719	0.053873	0.720651	0.0685434	0.645198	0.151318
8.4775	0.72121	0.0559543	0.749258	0.0708501	0.658482	0.146032
8.4875	0.741679	0.0570991	0.783007	0.0776272	0.682846	0.141617
8.4975	0.769018	0.059633	0.824674	0.0816889	0.700701	0.140025

8.5075	0.803181	0.0684675	0.881191	0.102266	0.728724	0.140341
8.5175	0.847257	0.0755818	0.94204	0.106545	0.762533	0.140306
8.5275	0.90004	0.088493	1.01651	0.120352	0.791647	0.141689
8.5375	0.966011	0.09285	1.10041	0.138394	0.83968	0.142692
8.5475	1.05193	0.114025	1.18623	0.165244	0.894516	0.157782
8.5575	1.13424	0.13326	1.26695	0.169373	0.947454	0.168824
8.5675	1.23763	0.156634	1.35626	0.199476	1.00409	0.172454
8.5775	1.33666	0.183319	1.45312	0.221632	1.06093	0.187881
8.5875	1.44133	0.201614	1.53868	0.235624	1.10307	0.200623
8.5975	1.55405	0.237455	1.61155	0.255828	1.1519	0.202376
8.6075	1.66331	0.268424	1.66821	0.273952	1.2028	0.215521
8.6175	1.74865	0.287029	1.70892	0.27698	1.23055	0.226154
8.6275	1.8323	0.310527	1.72698	0.282205	1.25383	0.229929
8.6375	1.89601	0.322382	1.72764	0.271358	1.25945	0.237313
8.6475	1.94118	0.335619	1.70982	0.261246	1.25422	0.234594
8.6575	1.95625	0.33695	1.67869	0.264138	1.24128	0.228947
8.6675	1.95986	0.347177	1.61988	0.251173	1.21221	0.217479
8.6775	1.928	0.328276	1.55006	0.231638	1.1711	0.209264
8.6875	1.87229	0.32282	1.48042	0.218611	1.12716	0.19951
8.6975	1.80573	0.295365	1.39473	0.194771	1.07872	0.179464
8.7075	1.71925	0.279054	1.3127	0.174347	1.03108	0.172623
8.7175	1.62619	0.250691	1.23526	0.163819	0.977298	0.154551
8.7275	1.51504	0.220968	1.15785	0.139895	0.933814	0.142359
8.7375	1.41364	0.198407	1.08875	0.13724	0.887249	0.141122
8.7475	1.3126	0.175258	1.02934	0.128798	0.849599	0.124552
8.7575	1.2214	0.151256	0.984918	0.118558	0.812145	0.123157
8.7675	1.13667	0.125362	0.946721	0.130633	0.786945	0.118698
8.7775	1.07275	0.120821	0.917374	0.131503	0.765302	0.114001
8.7875	1.00637	0.0990881	0.898476	0.146558	0.752042	0.108055
8.7975	0.958668	0.0930139	0.887372	0.166089	0.736022	0.113473
8.8075	0.922181	0.0985648	0.87463	0.18705	0.731608	0.111473
8.8175	0.894899	0.0942834	0.873305	0.21548	0.726894	0.109643
8.8275	0.867978	0.103594	0.8829	0.257858	0.728834	0.113588
8.8375	0.85825	0.110729	0.890311	0.277876	0.733271	0.109315
8.8475	0.854371	0.123498	0.900985	0.308988	0.74009	0.112801
8.8575	0.857934	0.122359	0.906329	0.358481	0.745191	0.114022
8.8675	0.852986	0.129927	0.916961	0.368103	0.753085	0.114713
8.8775	0.861536	0.141743	0.926016	0.38842	0.761587	0.125677
8.8875	0.864882	0.149833	0.935415	0.40403	0.769192	0.118135
8.8975	0.866337	0.158736	0.941333	0.410054	0.771569	0.115142
8.9075	0.872441	0.168299	0.935305	0.40611	0.776683	0.117637
8.9175	0.881128	0.176472	0.93966	0.412553	0.772538	0.11031
8.9275	0.878113	0.179842	0.934868	0.407363	0.766075	0.109165
8.9375	0.873098	0.178363	0.927684	0.383534	0.770131	0.110302
8.9475	0.881974	0.185134	0.920459	0.356036	0.760192	0.103736
8.9575	0.877465	0.19391	0.902294	0.318297	0.752579	0.104388
8.9675	0.869769	0.194335	0.889502	0.294056	0.747355	0.105463

8.9775	0.871138	0.201402	0.889267	0.257954	0.737383	0.0969135
8.9875	0.860201	0.200993	0.870985	0.235906	0.727528	0.0910117
8.9975	0.855559	0.203618	0.857721	0.191208	0.723367	0.093806
9.0075	0.846397	0.204824	0.848377	0.164548	0.722018	0.0937989
9.0175	0.838245	0.2107	0.83096	0.13406	0.707217	0.0880278
9.0275	0.835992	0.197223	0.828007	0.126925	0.709569	0.0916916
9.0375	0.826996	0.203457	0.824912	0.11141	0.704219	0.0889208
9.0475	0.825871	0.198865	0.81998	0.0939084	0.698948	0.090859
9.0575	0.810985	0.186341	0.814138	0.0873436	0.691065	0.0874672
9.0675	0.802509	0.185569	0.817288	0.0863374	0.700064	0.0959657
9.0775	0.805964	0.189313	0.810358	0.0781685	0.695914	0.0895504
9.0875	0.802477	0.178201	0.807423	0.076811	0.693712	0.0897185
9.0975	0.797137	0.172691	0.816978	0.078129	0.691797	0.0895956
9.1075	0.795638	0.168904	0.814169	0.0749552	0.697832	0.0892663
9.1175	0.792176	0.158447	0.815308	0.0797096	0.695957	0.0943891
9.1275	0.790358	0.150947	0.817754	0.0825655	0.701555	0.0932389
9.1375	0.794203	0.151291	0.820425	0.0819028	0.707595	0.0985526
9.1475	0.789109	0.140262	0.825617	0.0898001	0.706894	0.0961395
9.1575	0.793105	0.129748	0.829302	0.0896735	0.708063	0.0966937
9.1675	0.795033	0.122371	0.833156	0.0881591	0.713076	0.0936125
9.1775	0.796925	0.11814	0.836015	0.0936996	0.714744	0.0993921
9.1875	0.790528	0.113081	0.831926	0.0907866	0.71803	0.100194
9.1975	0.793982	0.103791	0.836204	0.0936861	0.722056	0.0957335
9.2075	0.792452	0.10281	0.841757	0.0930055	0.719985	0.0972359
9.2175	0.795473	0.0951458	0.839334	0.0927627	0.724575	0.106467
9.2275	0.797546	0.0926531	0.840832	0.0885825	0.72377	0.101698
9.2375	0.802346	0.0893741	0.835451	0.0874796	0.729878	0.107273
9.2475	0.803049	0.0875548	0.837076	0.0861403	0.731183	0.104401
9.2575	0.793111	0.0884942	0.835072	0.0807297	0.729692	0.105749
9.2675	0.799911	0.0800888	0.826731	0.0854835	0.723333	0.101459
9.2775	0.803509	0.0823904	0.828245	0.0751257	0.726702	0.105331
9.2875	0.79692	0.0796258	0.829869	0.0705916	0.723281	0.109887
9.2975	0.800551	0.0814034	0.818809	0.0698753	0.723472	0.104819
9.3075	0.798281	0.0733895	0.818309	0.0658032	0.723343	0.105736
9.3175	0.794852	0.0791728	0.815591	0.0697896	0.723262	0.106265
9.3275	0.79425	0.0776611	0.811694	0.064331	0.723209	0.109261
9.3375	0.792483	0.0723909	0.802393	0.0631082	0.72699	0.115517
9.3475	0.789995	0.0798345	0.807141	0.0602812	0.72428	0.1091
9.3575	0.792128	0.0719696	0.805773	0.0576159	0.729478	0.113021
9.3675	0.791671	0.074244	0.806614	0.0577744	0.730516	0.121924
9.3775	0.788571	0.0698585	0.805668	0.0545859	0.730242	0.115956
9.3875	0.796	0.0714865	0.810016	0.0618984	0.735262	0.115326
9.3975	0.784014	0.0668824	0.801659	0.0566815	0.736997	0.125065
9.4075	0.794277	0.062162	0.813558	0.0570061	0.741901	0.132667
9.4175	0.793713	0.0619876	0.810899	0.0594214	0.744325	0.13038
9.4275	0.793882	0.0660501	0.822462	0.0625121	0.742886	0.129659
9.4375	0.797825	0.0641136	0.824183	0.0602573	0.75322	0.134148

9.4475	0.805129	0.0618361	0.836171	0.0567653	0.758528	0.138992
9.4575	0.814814	0.0585604	0.84644	0.0614732	0.769661	0.141075
9.4675	0.820708	0.0594159	0.859722	0.0659271	0.772665	0.138987
9.4775	0.832186	0.0600834	0.869412	0.067314	0.780263	0.142698
9.4875	0.846062	0.0578457	0.884254	0.0719766	0.78955	0.138959
9.4975	0.858033	0.0658385	0.898791	0.0624155	0.803986	0.147351
9.5075	0.87921	0.062326	0.916407	0.066108	0.813399	0.151325
9.5175	0.889704	0.0651804	0.932261	0.0689216	0.818251	0.15435
9.5275	0.906788	0.0733674	0.93413	0.0622847	0.8332	0.157449
9.5375	0.928508	0.0691435	0.946283	0.0702172	0.838389	0.160838
9.5475	0.937718	0.0749826	0.963417	0.0789704	0.849444	0.165772
9.5575	0.96519	0.0749026	0.964949	0.0715315	0.857438	0.169621
9.5675	0.971364	0.08557	0.968375	0.074034	0.857423	0.163202
9.5775	0.982122	0.0801829	0.974126	0.07361	0.860382	0.16594
9.5875	0.998833	0.0842269	0.965591	0.0702374	0.865348	0.166355
9.5975	0.997176	0.0815635	0.961363	0.0677083	0.86249	0.171242
9.6075	0.995459	0.078835	0.957227	0.0722108	0.858184	0.174217
9.6175	0.999762	0.0836646	0.950332	0.0623562	0.857074	0.16953
9.6275	0.998027	0.0811017	0.938222	0.0637458	0.849527	0.176085
9.6375	0.98056	0.083534	0.932901	0.0608979	0.843339	0.171557
9.6475	0.977554	0.0819194	0.920909	0.0615464	0.837463	0.172068
9.6575	0.964513	0.0791852	0.913568	0.060472	0.837696	0.168257
9.6675	0.952602	0.0810306	0.898678	0.0547762	0.824026	0.172875
9.6775	0.94035	0.0816329	0.890342	0.0608413	0.820998	0.167242
9.6875	0.921995	0.0702642	0.878345	0.0593193	0.82017	0.165874
9.6975	0.912283	0.0777646	0.870693	0.0574584	0.813905	0.159042
9.7075	0.90331	0.0701138	0.87074	0.059479	0.806598	0.171596
9.7175	0.89131	0.0712774	0.858244	0.0554151	0.796084	0.169211
9.7275	0.884489	0.0711072	0.856291	0.0581113	0.798954	0.161827
9.7375	0.876777	0.0661164	0.853991	0.058714	0.797501	0.164526
9.7475	0.865415	0.0646217	0.85538	0.0593088	0.789306	0.161581
9.7575	0.859385	0.0661794	0.850386	0.0579974	0.793446	0.159998
9.7675	0.854071	0.0619555	0.845551	0.0515515	0.790209	0.162507
9.7775	0.848992	0.0652034	0.842954	0.0516147	0.789687	0.159331
9.7875	0.848287	0.0605204	0.849385	0.0515399	0.786021	0.152291
9.7975	0.848173	0.0565079	0.844976	0.0527768	0.788328	0.156695
9.8075	0.848027	0.0559615	0.845439	0.0575742	0.779408	0.155712
9.8175	0.845247	0.0560311	0.849573	0.0558205	0.790383	0.149168
9.8275	0.840021	0.0555216	0.848233	0.058873	0.780374	0.147117
9.8375	0.845341	0.0561632	0.846783	0.0578648	0.779896	0.147491
9.8475	0.836107	0.0557917	0.853484	0.0552143	0.78182	0.139406
9.8575	0.837411	0.0517033	0.856492	0.0591133	0.78515	0.14148
9.8675	0.840425	0.0550067	0.858015	0.0601533	0.788438	0.136411
9.8775	0.842169	0.0502905	0.864529	0.0511068	0.786545	0.132744
9.8875	0.849614	0.0513636	0.861442	0.0519282	0.793824	0.133284
9.8975	0.844944	0.047505	0.873798	0.0553949	0.786379	0.124477
9.9075	0.852235	0.0527656	0.879727	0.0644008	0.793665	0.12397



9.9175	0.851913	0.0528987	0.881154	0.0596466	0.797917	0.120511
9.9275	0.856031	0.049057	0.89255	0.0605935	0.799001	0.119568
9.9375	0.85941	0.0532722	0.896569	0.0620674	0.797411	0.117531
9.9475	0.865345	0.0489952	0.923974	0.0608092	0.804132	0.116097
9.9575	0.870552	0.051998	0.930938	0.0660084	0.810605	0.111355
9.9675	0.885582	0.0493542	0.93382	0.0719283	0.817047	0.111985
9.9775	0.886712	0.0561537	0.94927	0.0719037	0.830048	0.111625
9.9875	0.893842	0.0514775	0.964408	0.0702737	0.833532	0.111336
9.9975	0.916531	0.0532081	0.988397	0.0795982	0.842066	0.111576
10.0075	0.929031	0.0484285	0.993634	0.0865001	0.854984	0.109598
10.0175	0.937612	0.0584895	1.01774	0.0801763	0.860101	0.116839
10.0275	0.958106	0.0575512	1.02956	0.0901164	0.867059	0.115942
10.0375	0.967834	0.0525539	1.0412	0.0969893	0.874489	0.117231
10.0475	0.980016	0.0594884	1.04628	0.0934966	0.888349	0.121735
10.0575	0.996523	0.0638519	1.05839	0.0962736	0.888602	0.123947
10.0675	1.00878	0.0623161	1.06065	0.103326	0.884916	0.119524
10.0775	1.0185	0.0702633	1.06494	0.0971774	0.890868	0.120733
10.0875	1.02174	0.06815	1.06394	0.11272	0.898364	0.122728
10.0975	1.03046	0.0667059	1.05176	0.106554	0.896843	0.128148
10.1075	1.03132	0.0675632	1.04774	0.0972951	0.89237	0.126707
10.1175	1.03575	0.0691628	1.03655	0.101355	0.885866	0.122907
10.1275	1.02326	0.0686486	1.03212	0.100581	0.878936	0.117836
10.1375	1.01992	0.0710016	1.01301	0.0959799	0.872559	0.116401
10.1475	1.0093	0.0679757	0.996046	0.0874509	0.865013	0.11495
10.1575	0.996799	0.0710563	0.975783	0.0807713	0.855068	0.113258
10.1675	0.986551	0.0711849	0.967922	0.0788572	0.840471	0.111333
10.1775	0.971019	0.0615332	0.951275	0.0766581	0.839687	0.1114
10.1875	0.950427	0.058571	0.932457	0.079981	0.826369	0.101202
10.1975	0.934674	0.0685486	0.92391	0.0738384	0.812854	0.105683
10.2075	0.919694	0.0572607	0.91438	0.0759657	0.805363	0.106236
10.2175	0.909736	0.0558707	0.906227	0.0824122	0.801735	0.100331
10.2275	0.897773	0.0564313	0.898601	0.0714432	0.796085	0.099408
10.2375	0.886672	0.0551841	0.904678	0.0764801	0.786752	0.096562
10.2475	0.873205	0.0571963	0.889489	0.0713108	0.783009	0.0990614
10.2575	0.864632	0.051994	0.893163	0.0768475	0.783919	0.101722
10.2675	0.860904	0.0516376	0.884093	0.0814475	0.779177	0.0987347
10.2775	0.852472	0.0510642	0.892111	0.0815486	0.783841	0.0986836
10.2875	0.84593	0.0501283	0.892813	0.0804853	0.777449	0.0955032
10.2975	0.849101	0.0558999	0.897999	0.0794258	0.78296	0.0977121
10.3075	0.851031	0.0514832	0.903199	0.0872306	0.788563	0.0974647
10.3175	0.850446	0.0529008	0.914889	0.093782	0.79057	0.100518
10.3275	0.85123	0.0534266	0.92189	0.0985558	0.792717	0.0956865
10.3375	0.854116	0.0538052	0.928752	0.102038	0.799658	0.0931541
10.3475	0.854369	0.0563261	0.943577	0.123918	0.803078	0.0992494
10.3575	0.859841	0.0595843	0.959696	0.137342	0.807759	0.0999378
10.3675	0.863161	0.0511305	0.982873	0.164579	0.814672	0.102152
10.3775	0.862911	0.0541446	1.00476	0.184217	0.821848	0.102547

10.3875	0.868958	0.056019	1.03149	0.216576	0.838001	0.105194
10.3975	0.873692	0.0553873	1.06989	0.264422	0.85455	0.103881
10.4075	0.888931	0.056672	1.10272	0.306331	0.871363	0.101308
10.4175	0.895136	0.0567036	1.14326	0.353179	0.879066	0.111556
10.4275	0.898381	0.0569745	1.18302	0.417629	0.895178	0.113475
10.4375	0.913446	0.0525497	1.23401	0.472365	0.918607	0.117905
10.4475	0.92202	0.056264	1.29342	0.553	0.93693	0.117505
10.4575	0.934186	0.0522403	1.34354	0.626817	0.963488	0.125941
10.4675	0.947053	0.0573663	1.39787	0.714331	0.981701	0.131978
10.4775	0.950851	0.0536879	1.4487	0.785407	1.01	0.142065
10.4875	0.974224	0.0644851	1.50441	0.853792	1.0312	0.152269
10.4975	0.983168	0.061576	1.55195	0.916616	1.05306	0.160643
10.5075	1.00588	0.0615461	1.59129	0.994706	1.0783	0.170325
10.5175	1.01605	0.0597267	1.62589	1.05299	1.10092	0.175531
10.5275	1.03261	0.0632485	1.64924	1.09541	1.10846	0.182537
10.5375	1.04312	0.0689705	1.66118	1.10403	1.11722	0.190401
10.5475	1.0545	0.0591391	1.65821	1.11404	1.12168	0.187847
10.5575	1.06106	0.0666118	1.6459	1.09704	1.11775	0.194042
10.5675	1.06392	0.0632957	1.62193	1.07215	1.10999	0.185984
10.5775	1.06245	0.0624372	1.59125	1.03593	1.09371	0.181755
10.5875	1.05927	0.0645001	1.54151	0.963505	1.08309	0.181675
10.5975	1.04868	0.0656524	1.4804	0.915505	1.05859	0.173086
10.6075	1.03704	0.0599363	1.42418	0.838111	1.03594	0.155905
10.6175	1.02294	0.0614218	1.36829	0.754533	1.00344	0.144482
10.6275	1.0084	0.0677555	1.30351	0.665313	0.981074	0.14904
10.6375	0.997973	0.0536959	1.23551	0.582288	0.948517	0.13659
10.6475	0.971608	0.0585591	1.1881	0.494975	0.926825	0.130235
10.6575	0.955375	0.057091	1.13602	0.447436	0.898922	0.120061
10.6675	0.940887	0.05629	1.08176	0.365103	0.882189	0.115075
10.6775	0.921622	0.0516174	1.04161	0.297344	0.851856	0.105418
10.6875	0.911429	0.0543217	1.00445	0.24818	0.831316	0.0951057
10.6975	0.895925	0.054759	0.968341	0.198818	0.816017	0.0975353
10.7075	0.876347	0.0521723	0.949079	0.169095	0.804081	0.0942409
10.7175	0.865694	0.0510803	0.924214	0.131318	0.790218	0.0885789
10.7275	0.859734	0.0491118	0.905215	0.108923	0.783669	0.0895001
10.7375	0.851762	0.0469278	0.896908	0.0932158	0.773394	0.0837909
10.7475	0.841319	0.0501546	0.876607	0.0796833	0.76602	0.0861839
10.7575	0.837423	0.044464	0.870979	0.0754505	0.759969	0.084684
10.7675	0.835913	0.0483502	0.861055	0.064338	0.757469	0.0816942
10.7775	0.826177	0.0466982	0.858678	0.0651026	0.753335	0.0820678
10.7875	0.823526	0.0471568	0.850384	0.0614973	0.75549	0.0791857
10.7975	0.818955	0.0461234	0.843798	0.0521362	0.746596	0.0770291
10.8075	0.818861	0.0514832	0.841296	0.063882	0.745786	0.0785219
10.8175	0.820468	0.0470431	0.836694	0.0524787	0.745161	0.0785549
10.8275	0.808374	0.0463291	0.833484	0.0564695	0.74154	0.0780169
10.8375	0.810553	0.0467335	0.835121	0.0553274	0.734643	0.0776283
10.8475	0.800934	0.0493602	0.831067	0.0507662	0.736867	0.0762933

10.8575	0.803558	0.0491248	0.828423	0.0523813	0.735163	0.0744281
10.8675	0.804561	0.0476558	0.830359	0.0542523	0.72761	0.0795406
10.8775	0.798432	0.0498245	0.826492	0.0507721	0.723525	0.0723287
10.8875	0.800075	0.0492215	0.824748	0.0595682	0.732888	0.0749818
10.8975	0.795832	0.0486338	0.826597	0.0529767	0.734137	0.0736761
10.9075	0.794173	0.047181	0.824988	0.0509287	0.727867	0.0755601
10.9175	0.796853	0.04919	0.818482	0.0490617	0.729941	0.0752471
10.9275	0.79327	0.0545177	0.822197	0.0519561	0.728989	0.0754207
10.9375	0.790204	0.0460476	0.821818	0.0507618	0.728998	0.0732863
10.9475	0.792455	0.0485882	0.820195	0.0519042	0.730603	0.0794749
10.9575	0.794694	0.0527517	0.818772	0.0500887	0.72587	0.0762019
10.9675	0.789182	0.0518498	0.819759	0.0516628	0.723493	0.0798588
10.9775	0.793352	0.0486472	0.822492	0.0518916	0.727033	0.0764566
10.9875	0.794104	0.0594204	0.818238	0.0501644	0.725751	0.0731887
10.9975	0.793315	0.0560171	0.815844	0.0507662	0.728748	0.0750216
11.0075	0.791534	0.0562734	0.816172	0.0547746	0.72861	0.0769308
11.0175	0.791951	0.0560601	0.822554	0.0507794	0.734026	0.0754631
11.0275	0.791736	0.0557378	0.818499	0.0535799	0.726589	0.078787
11.0375	0.796557	0.0548643	0.823709	0.0541966	0.726993	0.0757095
11.0475	0.795144	0.0554523	0.826432	0.0492836	0.730694	0.0812062
11.0575	0.792178	0.0563309	0.817062	0.048637	0.73149	0.0774945
11.0675	0.7928	0.0567921	0.823418	0.051054	0.733203	0.0820319
11.0775	0.790737	0.0593391	0.821704	0.0505011	0.725665	0.0732877
11.0875	0.789563	0.056773	0.820789	0.0497932	0.730746	0.0810774
11.0975	0.792115	0.0620392	0.816694	0.0531584	0.728663	0.0767721
11.1075	0.794054	0.0569385	0.81684	0.0496776	0.730247	0.0833569
11.1175	0.792883	0.0630078	0.819454	0.0491607	0.728197	0.0837579
11.1275	0.794136	0.0590799	0.820876	0.0538185	0.735486	0.0819514
11.1375	0.791565	0.0577967	0.819326	0.0495839	0.732062	0.0843702
11.1475	0.792111	0.0571432	0.818098	0.0483163	0.72994	0.086525
11.1575	0.786684	0.0570317	0.82021	0.0509362	0.725337	0.0823477
11.1675	0.790261	0.0625084	0.816549	0.0473122	0.733966	0.0850578
11.1775	0.79281	0.0537726	0.820277	0.0519025	0.734299	0.0833455
11.1875	0.793277	0.0517425	0.810159	0.0508354	0.731802	0.0859079
11.1975	0.786697	0.0588738	0.816567	0.0559819	0.730242	0.0865414
11.2075	0.794318	0.0569768	0.818745	0.0483314	0.736408	0.0828183
11.2175	0.791703	0.05153	0.817802	0.04753	0.733903	0.087024
11.2275	0.787793	0.0510582	0.821122	0.0483061	0.738071	0.0847086
11.2375	0.788196	0.0546202	0.818665	0.0525564	0.735238	0.0839835
11.2475	0.790055	0.0519077	0.820285	0.048322	0.738347	0.0845398
11.2575	0.783587	0.0513297	0.81584	0.0549282	0.737078	0.0832964
11.2675	0.787054	0.050676	0.821396	0.0522769	0.730695	0.0781758
11.2775	0.784768	0.0528701	0.815928	0.0528357	0.732256	0.082408
11.2875	0.786183	0.0545083	0.816477	0.0513961	0.740468	0.0860518
11.2975	0.787088	0.0501279	0.813343	0.0456221	0.735832	0.085986
11.3075	0.787124	0.0493567	0.811556	0.0469375	0.737404	0.0848781
11.3175	0.785539	0.0525914	0.821316	0.0490005	0.73878	0.0819955

11.3275	0.784365	0.0495757	0.820184	0.0548487	0.740273	0.0816653
11.3375	0.784006	0.0457547	0.819582	0.0533716	0.73852	0.0869568
11.3475	0.78722	0.0467151	0.815099	0.0486725	0.734374	0.0822843
11.3575	0.78538	0.0443066	0.810248	0.0475268	0.731519	0.0855302
11.3675	0.782479	0.0476387	0.811299	0.0534634	0.728336	0.0779975
11.3775	0.784478	0.0471214	0.813765	0.0508411	0.729804	0.0787387
11.3875	0.782648	0.0486638	0.811757	0.0465589	0.730994	0.0810158
11.3975	0.776799	0.0434448	0.812568	0.0502468	0.731397	0.0801188
11.4075	0.783404	0.0483725	0.806628	0.0468209	0.732533	0.0800847
11.4175	0.782267	0.0473112	0.808127	0.0458267	0.728654	0.0801857
11.4275	0.779062	0.0451907	0.804604	0.0485592	0.723448	0.0800845
11.4375	0.775876	0.0449118	0.799356	0.0475207	0.729744	0.0739339
11.4475	0.777401	0.0453202	0.800517	0.0453334	0.729187	0.0749665
11.4575	0.774827	0.0445123	0.800024	0.0438243	0.722867	0.0763726
11.4675	0.781138	0.0448858	0.798572	0.0458335	0.727125	0.0820999
11.4775	0.776674	0.0453026	0.80196	0.0461711	0.728879	0.0735887
11.4875	0.77934	0.0437379	0.799611	0.0486977	0.724758	0.0804163
11.4975	0.776143	0.0509051	0.790318	0.0475722	0.724076	0.0750453
11.5075	0.770295	0.0467507	0.799022	0.0461226	0.727272	0.0795554
11.5175	0.773248	0.0453887	0.799254	0.049543	0.720483	0.0734297
11.5275	0.77389	0.0454071	0.79619	0.0486349	0.72159	0.0804844
11.5375	0.769612	0.0479152	0.799209	0.0418339	0.717218	0.0739915
11.5475	0.76956	0.0468057	0.800743	0.0434214	0.716111	0.0761314
11.5575	0.771602	0.0440178	0.797891	0.0481231	0.721963	0.0793617
11.5675	0.770485	0.0466259	0.795822	0.0428775	0.71979	0.0749865
11.5775	0.77534	0.0450578	0.797397	0.0446198	0.717374	0.0768788
11.5875	0.772785	0.0475539	0.793471	0.0448436	0.722345	0.0786453
11.5975	0.774839	0.0437215	0.80044	0.042176	0.715096	0.0783435
11.6075	0.769677	0.049243	0.792306	0.035961	0.718596	0.0767693
11.6175	0.76506	0.0454272	0.796311	0.0448494	0.720606	0.0763343
11.6275	0.769077	0.0419792	0.799541	0.042698	0.723915	0.0794506
11.6375	0.768108	0.0454985	0.800749	0.0465734	0.725305	0.0759302
11.6475	0.777525	0.0451018	0.809247	0.0467566	0.724048	0.0734211
11.6575	0.77252	0.041885	0.805652	0.0459444	0.727758	0.078023
11.6675	0.769151	0.0471919	0.804464	0.0460586	0.725636	0.0744804
11.6775	0.768913	0.046427	0.796278	0.0470281	0.728792	0.0817493
11.6875	0.774465	0.0408586	0.803369	0.0466533	0.726432	0.0803343
11.6975	0.765835	0.0404068	0.798854	0.0426567	0.722952	0.0778534
11.7075	0.768509	0.041883	0.806908	0.0503609	0.726036	0.0781683
11.7175	0.766865	0.0460049	0.801984	0.0451519	0.727236	0.0771695
11.7275	0.775484	0.0417109	0.803984	0.0425368	0.723588	0.0759059
11.7375	0.775252	0.0399239	0.795989	0.0458717	0.72577	0.0781275
11.7475	0.775633	0.0402032	0.802911	0.0437629	0.723722	0.0692781
11.7575	0.779372	0.0425642	0.798658	0.0482386	0.728454	0.0766564
11.7675	0.776566	0.0448945	0.798718	0.0426586	0.725257	0.0796019
11.7775	0.76814	0.0419654	0.805703	0.0475378	0.721287	0.0792571
11.7875	0.773401	0.0452698	0.800212	0.0435175	0.720645	0.0776471

11.7975	0.774727	0.0443088	0.797589	0.0413558	0.71574	0.0743204
11.8075	0.775138	0.0442403	0.797063	0.0434745	0.715781	0.070183
11.8175	0.772109	0.0422454	0.793299	0.045289	0.720633	0.0723627
11.8275	0.765601	0.045476	0.798591	0.0445364	0.720599	0.0754654
11.8375	0.77024	0.045607	0.7994	0.0468326	0.716439	0.0716732
11.8475	0.769009	0.0436245	0.795769	0.0449025	0.718278	0.0707824
11.8575	0.771535	0.0434684	0.793755	0.0472354	0.715293	0.0728109
11.8675	0.768531	0.0384548	0.790963	0.0455706	0.716706	0.0738084
11.8775	0.76707	0.0395556	0.794478	0.043047	0.711797	0.0708877
11.8875	0.763337	0.0424559	0.784732	0.0398243	0.715584	0.0712914
11.8975	0.767328	0.0443728	0.789794	0.0454905	0.713774	0.0688338
11.9075	0.768258	0.0481804	0.790272	0.046103	0.711945	0.0665018
11.9175	0.765562	0.0425093	0.796739	0.0409383	0.71292	0.073999
11.9275	0.764646	0.0442966	0.789537	0.0386008	0.705728	0.0700926
11.9375	0.763197	0.042231	0.790961	0.0463507	0.707153	0.0726315
11.9475	0.759154	0.0410979	0.788226	0.0437279	0.706718	0.0715602
11.9575	0.759469	0.0433091	0.782205	0.0435764	0.706561	0.0705912
11.9675	0.761731	0.0417018	0.786338	0.0467887	0.705574	0.0677752
11.9775	0.754877	0.0410968	0.790686	0.0446611	0.704303	0.0668667
11.9875	0.754634	0.0437563	0.775913	0.046123	0.707764	0.070919
11.9975	0.755687	0.0380896	0.78736	0.0463901	0.700042	0.06499
12.0075	0.750391	0.0424873	0.776663	0.0422038	0.69588	0.0652602
12.0175	0.749881	0.0443389	0.783451	0.0477134	0.693701	0.0671177
12.0275	0.753492	0.0462259	0.776545	0.0447309	0.702078	0.0690096
12.0375	0.749941	0.0463629	0.779617	0.0472201	0.698938	0.0695269
12.0475	0.747849	0.0424573	0.782966	0.0476116	0.694371	0.064963
12.0575	0.746326	0.0376837	0.777811	0.0503257	0.68984	0.0668797
12.0675	0.744044	0.0473997	0.776225	0.0443	0.691239	0.067528
12.0775	0.748953	0.0386165	0.773367	0.0525046	0.695434	0.069594
12.0875	0.743267	0.0432825	0.777236	0.0458248	0.689041	0.0642575
12.0975	0.742194	0.0432065	0.781129	0.0566457	0.690648	0.0684383
12.1075	0.74188	0.0378259	0.77246	0.0504136	0.692573	0.0680457
12.1175	0.74271	0.0372686	0.773515	0.0527794	0.685841	0.0644922
12.1275	0.740518	0.0434652	0.778524	0.0544928	0.691527	0.0653033
12.1375	0.743017	0.0431073	0.77805	0.0525773	0.692432	0.0643386
12.1475	0.737661	0.0403176	0.774968	0.05576	0.690302	0.0669352
12.1575	0.736863	0.0430972	0.775994	0.0614005	0.685827	0.0660815
12.1675	0.736233	0.0422995	0.773845	0.0537765	0.68312	0.0671594
12.1775	0.735321	0.0431173	0.780721	0.0594079	0.685025	0.0663427
12.1875	0.732953	0.0397676	0.771226	0.0644243	0.681176	0.0686028
12.1975	0.730822	0.0473642	0.777069	0.0564087	0.690435	0.0653628
12.2075	0.736955	0.042791	0.777979	0.063419	0.683471	0.0695055
12.2175	0.733159	0.0452416	0.780479	0.0655534	0.684781	0.0680261
12.2275	0.731016	0.0450128	0.780398	0.064962	0.682173	0.0650608
12.2375	0.728539	0.0431955	0.779137	0.0662783	0.676951	0.0651604
12.2475	0.732946	0.0437401	0.777535	0.058057	0.68498	0.0669692
12.2575	0.73561	0.0416731	0.780489	0.0682601	0.678759	0.0677311

12.2675	0.730457	0.0469497	0.770894	0.0750544	0.678222	0.065759
12.2775	0.732333	0.0459747	0.777359	0.0758925	0.677354	0.0659866
12.2875	0.729175	0.0438195	0.769943	0.0646192	0.678732	0.06455
12.2975	0.725322	0.0457278	0.771488	0.0782008	0.677428	0.0676717
12.3075	0.718143	0.0413188	0.77104	0.0719237	0.671935	0.0673057
12.3175	0.721614	0.0421627	0.770272	0.0696916	0.674922	0.0671852
12.3275	0.72277	0.0407296	0.768976	0.0668848	0.670877	0.0659371
12.3375	0.725551	0.0375026	0.770101	0.0732184	0.669411	0.0644368
12.3475	0.717344	0.0423311	0.763565	0.0740044	0.66923	0.0656827
12.3575	0.720422	0.0400462	0.766531	0.0731832	0.667551	0.0640453
12.3675	0.718507	0.0411155	0.764719	0.0757885	0.665551	0.0656303
12.3775	0.713973	0.0407415	0.764837	0.0744686	0.661972	0.0627078
12.3875	0.70894	0.0383681	0.756958	0.0732029	0.663726	0.0654776
12.3975	0.712162	0.0411331	0.7614	0.0823972	0.661741	0.0625851
12.4075	0.708111	0.0478577	0.759601	0.0861475	0.666095	0.0647983
12.4175	0.704441	0.0358494	0.773882	0.096696	0.660347	0.0627561
12.4275	0.700303	0.0405724	0.78126	0.106657	0.665646	0.0585787
12.4375	0.702398	0.0365783	0.792929	0.121635	0.667396	0.0650661
12.4475	0.704751	0.039743	0.80706	0.160988	0.670676	0.067728
12.4575	0.702503	0.0408468	0.827341	0.183955	0.680162	0.0698404
12.4675	0.702769	0.035556	0.844492	0.214245	0.68239	0.0688697
12.4775	0.703854	0.0398898	0.87173	0.259562	0.690214	0.072451
12.4875	0.707501	0.0431185	0.89567	0.291713	0.702837	0.0712993
12.4975	0.711096	0.038363	0.935791	0.356751	0.714072	0.0821679
12.5075	0.713264	0.0396173	0.973305	0.394893	0.725697	0.0926507
12.5175	0.723151	0.0396264	1.00336	0.459998	0.736037	0.0980878
12.5275	0.731191	0.0395669	1.04577	0.526167	0.76088	0.107532
12.5375	0.737548	0.043418	1.08385	0.586823	0.776577	0.119698
12.5475	0.752013	0.0411013	1.12711	0.661854	0.791851	0.122551
12.5575	0.750988	0.0400233	1.1625	0.713871	0.811541	0.136802
12.5675	0.769324	0.0440326	1.19146	0.765131	0.824449	0.152149
12.5775	0.775533	0.0417277	1.20786	0.797561	0.837946	0.157943
12.5875	0.783402	0.0414781	1.23754	0.840481	0.844984	0.160625
12.5975	0.798143	0.0455832	1.25722	0.859043	0.855541	0.169595
12.6075	0.804783	0.0456372	1.26679	0.884341	0.861009	0.171505
12.6175	0.81592	0.0463505	1.26707	0.89529	0.867849	0.174356
12.6275	0.82071	0.0470171	1.25338	0.878038	0.872058	0.180931
12.6375	0.82389	0.0436313	1.2415	0.847344	0.866677	0.173702
12.6475	0.830505	0.0498503	1.22052	0.804172	0.859774	0.170917
12.6575	0.835379	0.0468189	1.18994	0.758879	0.853908	0.164937
12.6675	0.836097	0.0462655	1.15574	0.727991	0.84112	0.162551
12.6775	0.835671	0.0449627	1.12505	0.659875	0.834951	0.151106
12.6875	0.834832	0.0477749	1.0909	0.602115	0.825059	0.147701
12.6975	0.835373	0.0444732	1.05707	0.551195	0.806221	0.135642
12.7075	0.830904	0.0458691	1.02302	0.501751	0.795512	0.122294
12.7175	0.82588	0.0478097	0.995856	0.446442	0.78089	0.121252
12.7275	0.824252	0.0545475	0.965816	0.402691	0.764812	0.108232

12.7375	0.819304	0.0531401	0.934476	0.346198	0.755878	0.102793
12.7475	0.816403	0.0494271	0.909153	0.297548	0.74591	0.102581
12.7575	0.815648	0.0568053	0.88639	0.254687	0.731732	0.0987985
12.7675	0.815855	0.0608704	0.863468	0.238791	0.723343	0.0960721
12.7775	0.809668	0.0631797	0.852396	0.21607	0.716435	0.0913902
12.7875	0.806319	0.0577773	0.830452	0.182885	0.711517	0.0929904
12.7975	0.811158	0.0580677	0.815039	0.16371	0.702334	0.0901823
12.8075	0.800066	0.0555468	0.803366	0.145893	0.691569	0.0853117
12.8175	0.793056	0.0691608	0.792067	0.133705	0.682304	0.0877085
12.8275	0.785911	0.057954	0.776895	0.114251	0.680464	0.0821453
12.8375	0.780076	0.0634839	0.758199	0.110371	0.671963	0.0781087
12.8475	0.773957	0.054884	0.748064	0.0990969	0.670524	0.077676
12.8575	0.762192	0.0542376	0.741558	0.0946808	0.658132	0.071689
12.8675	0.75662	0.0559559	0.741241	0.0808839	0.650704	0.0697394
12.8775	0.743885	0.0480127	0.728619	0.0846674	0.643542	0.0683996
12.8875	0.73527	0.0505327	0.715358	0.0719402	0.642021	0.0654426
12.8975	0.723803	0.046368	0.712152	0.0670676	0.638593	0.0651572
12.9075	0.7165	0.0474436	0.704645	0.0646925	0.62659	0.0606907
12.9175	0.700765	0.0441268	0.70002	0.0613769	0.625237	0.0580473
12.9275	0.695463	0.0446624	0.689442	0.0629895	0.620018	0.0593522
12.9375	0.68584	0.0425895	0.686333	0.0636736	0.614191	0.052725
12.9475	0.677432	0.0384427	0.688256	0.0601585	0.615252	0.0549249
12.9575	0.674036	0.0358357	0.679442	0.0599647	0.610266	0.0558769
12.9675	0.665531	0.0393041	0.6771	0.0588442	0.608968	0.0511323
12.9775	0.657924	0.0347745	0.674461	0.0579668	0.603853	0.0544604
12.9875	0.653898	0.0336174	0.670066	0.0631448	0.597552	0.0565906
12.9975	0.650155	0.036431	0.672725	0.061126	0.593508	0.0527325
13.0075	0.645044	0.0367123	0.66675	0.0582516	0.593572	0.0509142
13.0175	0.63544	0.0320798	0.665638	0.0586725	0.591547	0.0551068
13.0275	0.632166	0.0367013	0.658137	0.0582925	0.588303	0.0541329
13.0375	0.635033	0.0359392	0.658347	0.0552597	0.58495	0.0531391
13.0475	0.626593	0.0330578	0.651472	0.0513754	0.584004	0.0528374
13.0575	0.622386	0.0368476	0.642894	0.0457873	0.582759	0.0521291
13.0675	0.619066	0.0377116	0.641883	0.0501273	0.582778	0.0527801
13.0775	0.617295	0.0375835	0.638063	0.0443028	0.580133	0.05174
13.0875	0.620077	0.0390525	0.6385	0.0469117	0.57372	0.0520364
13.0975	0.609382	0.0356786	0.62534	0.0434001	0.570363	0.0554862
13.1075	0.607811	0.0353501	0.625424	0.0437053	0.570244	0.0552146
13.1175	0.607336	0.0352784	0.625133	0.0385281	0.567072	0.0552915
13.1275	0.608119	0.0353346	0.624256	0.0373326	0.570479	0.0497258
13.1375	0.602498	0.0332422	0.616844	0.035025	0.571478	0.0540773
13.1475	0.597759	0.0353426	0.620903	0.0399508	0.562305	0.0551465
13.1575	0.594383	0.0344503	0.615005	0.0392646	0.563982	0.0548146
13.1675	0.597919	0.0378278	0.620011	0.0380576	0.565032	0.0554261
13.1775	0.59677	0.0337453	0.616202	0.0352368	0.563146	0.0553087
13.1875	0.597813	0.0334247	0.614097	0.0340805	0.563684	0.0504486
13.1975	0.596311	0.0341597	0.621366	0.0334658	0.566456	0.0545277

13.2075	0.597124	0.0344335	0.621448	0.0363397	0.56598	0.0550609
13.2175	0.595165	0.0325656	0.614777	0.0395894	0.56612	0.0569751
13.2275	0.600251	0.0346998	0.625087	0.0380718	0.56614	0.0547079
13.2375	0.598124	0.0310324	0.633151	0.0342652	0.570098	0.0568344
13.2475	0.598204	0.0328631	0.632212	0.0401234	0.571559	0.0543724
13.2575	0.602293	0.0351055	0.640879	0.0375952	0.573042	0.0528424
13.2675	0.606518	0.0359934	0.642242	0.036701	0.580325	0.0573582
13.2775	0.608511	0.0329398	0.650144	0.0349276	0.583322	0.0563666
13.2875	0.615542	0.0302259	0.659697	0.0390163	0.586896	0.0566787
13.2975	0.61382	0.0348411	0.664502	0.0334856	0.58961	0.0583796
13.3075	0.620212	0.0333979	0.665425	0.0356665	0.593177	0.0563982
13.3175	0.622732	0.0346071	0.671862	0.0402398	0.596035	0.0585833
13.3275	0.630509	0.0335134	0.67767	0.0412083	0.603057	0.0614956
13.3375	0.638128	0.0378851	0.674893	0.0413629	0.607888	0.0578837
13.3475	0.644895	0.0345362	0.67945	0.0443589	0.610739	0.056727
13.3575	0.649753	0.0343244	0.687982	0.0396762	0.607524	0.0572407
13.3675	0.651639	0.0348326	0.681882	0.0369274	0.607249	0.0590085
13.3775	0.657905	0.0371677	0.682589	0.0402701	0.607804	0.058677
13.3875	0.665249	0.0352141	0.684553	0.0372349	0.61243	0.0586014
13.3975	0.670188	0.0340793	0.676472	0.0400753	0.605238	0.0561826
13.4075	0.667485	0.038564	0.681037	0.0345162	0.607743	0.0616011
13.4175	0.67399	0.0371237	0.679446	0.0405363	0.610582	0.059764
13.4275	0.66529	0.0358588	0.666345	0.0413908	0.601087	0.0620263
13.4375	0.665871	0.0373357	0.657946	0.0440649	0.595649	0.0587271
13.4475	0.66686	0.0391493	0.655401	0.036965	0.59312	0.0569629
13.4575	0.663163	0.0320649	0.639148	0.0399415	0.586771	0.059373
13.4675	0.654078	0.03989	0.635453	0.0440452	0.585927	0.0564191
13.4775	0.652361	0.0367009	0.631202	0.0379622	0.576085	0.0553419
13.4875	0.649152	0.0354328	0.627266	0.0377449	0.567659	0.0524593
13.4975	0.638604	0.0321258	0.613138	0.0405907	0.560389	0.048704
13.5075	0.63495	0.0333414	0.608128	0.0359873	0.562448	0.0511728
13.5175	0.62157	0.0361052	0.597121	0.035017	0.552225	0.0511004
13.5275	0.617229	0.034671	0.591056	0.0310171	0.548797	0.0486974
13.5375	0.610413	0.0344267	0.588578	0.0340143	0.541439	0.0485761
13.5475	0.602322	0.0363174	0.582456	0.033294	0.538465	0.0482296
13.5575	0.597274	0.0347469	0.57882	0.0354304	0.534269	0.0444298
13.5675	0.587682	0.0322832	0.576957	0.0325095	0.531936	0.0443373
13.5775	0.584122	0.0329755	0.574456	0.0291139	0.531369	0.0426317
13.5875	0.579508	0.0333262	0.569501	0.0268543	0.52574	0.0421066
13.5975	0.569773	0.0314857	0.564899	0.0310935	0.523395	0.0471613
13.6075	0.561523	0.031434	0.564056	0.0326462	0.521795	0.0472778
13.6175	0.562769	0.030841	0.565016	0.0284896	0.520399	0.0500323
13.6275	0.556745	0.030518	0.561612	0.032351	0.522186	0.0427689
13.6375	0.552901	0.0322545	0.559546	0.0338222	0.513519	0.0438085
13.6475	0.55384	0.0311074	0.557762	0.0280375	0.515181	0.0457527
13.6575	0.547347	0.0315468	0.556622	0.0282238	0.516572	0.0438589
13.6675	0.552202	0.0316068	0.553859	0.0347808	0.509118	0.0424357



13.6775	0.549294	0.0314645	0.546811	0.0320673	0.511104	0.0470942
13.6875	0.545279	0.0317966	0.557075	0.0288545	0.51209	0.0458092
13.6975	0.542851	0.0329616	0.550209	0.0296352	0.509721	0.0451238
13.7075	0.541401	0.0342537	0.550119	0.0311967	0.509114	0.046236
13.7175	0.537681	0.0320962	0.546759	0.0299065	0.508436	0.0430864
13.7275	0.541305	0.0323831	0.55101	0.0283676	0.508559	0.0440896
13.7375	0.539037	0.0325864	0.54912	0.0295412	0.505616	0.0424319
13.7475	0.543667	0.0319088	0.548886	0.0287417	0.504353	0.0452133
13.7575	0.536896	0.027729	0.546125	0.0334017	0.511673	0.0466622
13.7675	0.536563	0.0297973	0.544782	0.031464	0.505082	0.0467284
13.7775	0.53065	0.0332996	0.547951	0.0328881	0.505113	0.0425821
13.7875	0.530478	0.0279789	0.543395	0.0334369	0.50227	0.041717
13.7975	0.532068	0.031178	0.543871	0.0303872	0.506406	0.0422619
13.8075	0.53102	0.0279785	0.543739	0.0333995	0.501917	0.0459514
13.8175	0.528469	0.0300559	0.549942	0.0336088	0.503653	0.0429438
13.8275	0.527667	0.0297856	0.54256	0.0348687	0.499107	0.0393361
13.8375	0.528806	0.0316138	0.546639	0.0333058	0.501553	0.044468
13.8475	0.531142	0.0316497	0.547267	0.037551	0.50173	0.0447044
13.8575	0.534768	0.0276108	0.554674	0.0462333	0.505355	0.0440603
13.8675	0.53209	0.0320015	0.562024	0.0473445	0.502261	0.0420632
13.8775	0.525002	0.0288012	0.563065	0.0528453	0.501993	0.0445205
13.8875	0.533279	0.0311931	0.569771	0.0613851	0.509116	0.046449
13.8975	0.534668	0.029271	0.577307	0.0729838	0.516663	0.0431265
13.9075	0.533004	0.0294436	0.588547	0.0761891	0.513637	0.0438039
13.9175	0.534319	0.0327847	0.602386	0.095608	0.522902	0.0422717
13.9275	0.535725	0.029605	0.625702	0.113504	0.523769	0.044134
13.9375	0.545391	0.0300971	0.642535	0.135632	0.538124	0.0449229
13.9475	0.552672	0.0351394	0.673226	0.172932	0.542513	0.0480645
13.9575	0.556674	0.0320274	0.707957	0.210364	0.559486	0.0490361
13.9675	0.566803	0.0335339	0.74114	0.239863	0.573808	0.0550299
13.9775	0.573266	0.0366488	0.781393	0.2937	0.592347	0.0503903
13.9875	0.586891	0.0369582	0.836387	0.347023	0.610938	0.0526318
13.9975	0.603701	0.0413489	0.882118	0.397751	0.636171	0.0599066
14.0075	0.620998	0.045542	0.945243	0.474544	0.664381	0.0635733
14.0175	0.64411	0.0529252	1.00566	0.533338	0.686539	0.0668999
14.0275	0.669961	0.0631504	1.07722	0.603788	0.725516	0.0740798
14.0375	0.690419	0.0666313	1.14452	0.676998	0.752441	0.0773144
14.0475	0.721484	0.0694388	1.2075	0.754616	0.784588	0.083149
14.0575	0.763068	0.0850861	1.27605	0.813674	0.81781	0.0872607
14.0675	0.800591	0.0861977	1.34958	0.879673	0.851711	0.0921413
14.0775	0.833046	0.0977673	1.40742	0.962339	0.892107	0.105135
14.0875	0.874494	0.117201	1.45758	1.00607	0.914615	0.106764
14.0975	0.911007	0.124883	1.51198	1.06176	0.94771	0.104505
14.1075	0.93906	0.133971	1.53989	1.08933	0.972794	0.115654
14.1175	0.985862	0.154553	1.56967	1.13285	0.989124	0.111602
14.1275	1.01491	0.156298	1.58436	1.14871	1.00425	0.121861
14.1375	1.03727	0.164102	1.58473	1.12941	1.00745	0.123629

14.1475	1.06564	0.170282	1.56557	1.10057	1.01236	0.129639
14.1575	1.07935	0.163815	1.53599	1.09138	1.00503	0.125029
14.1675	1.09354	0.178614	1.50707	1.04072	0.989182	0.118863
14.1775	1.09336	0.177051	1.45983	1.02007	0.97729	0.118407
14.1875	1.09433	0.169178	1.39982	0.940575	0.952927	0.112546
14.1975	1.08052	0.173836	1.33945	0.871143	0.922999	0.110698
14.2075	1.05891	0.169307	1.28019	0.814417	0.898759	0.106937
14.2175	1.03277	0.15736	1.19151	0.740506	0.865101	0.0997458
14.2275	1.01235	0.153469	1.12332	0.668635	0.828114	0.0918659
14.2375	0.981451	0.139014	1.05354	0.592433	0.787323	0.0861403
14.2475	0.938368	0.142738	0.983078	0.505832	0.753965	0.0807869
14.2575	0.899711	0.121553	0.923531	0.450814	0.713947	0.0742683
14.2675	0.864875	0.113863	0.856592	0.38885	0.676596	0.0703966
14.2775	0.819071	0.107111	0.79444	0.322945	0.652067	0.0571923
14.2875	0.778905	0.0926059	0.744331	0.273253	0.615858	0.0586227
14.2975	0.739455	0.0830006	0.697367	0.224339	0.584917	0.0544655
14.3075	0.706122	0.0775909	0.657939	0.185441	0.565695	0.0532687
14.3175	0.676827	0.0588702	0.62498	0.15087	0.540122	0.0471244
14.3275	0.636942	0.060383	0.59461	0.121317	0.525798	0.0481686
14.3375	0.607782	0.0446278	0.568924	0.0991367	0.511876	0.0441616
14.3475	0.582737	0.0454162	0.548626	0.0785711	0.496885	0.0451995
14.3575	0.566267	0.0379423	0.539114	0.0680769	0.481441	0.0429488
14.3675	0.544537	0.0350785	0.521041	0.0506333	0.47653	0.0434769
14.3775	0.524942	0.0377584	0.514381	0.0503531	0.46847	0.0420876
14.3875	0.516973	0.0336214	0.497884	0.042335	0.462193	0.0417199
14.3975	0.508909	0.0336032	0.493355	0.0347028	0.457769	0.0378616
14.4075	0.492953	0.028316	0.487619	0.0302743	0.453813	0.0400384
14.4175	0.490575	0.0297954	0.479728	0.0305036	0.4492	0.039321
14.4275	0.48614	0.0292605	0.483572	0.0298185	0.445405	0.0377041
14.4375	0.478417	0.0278531	0.475687	0.0288326	0.443511	0.0392485
14.4475	0.474712	0.0251017	0.477877	0.0292809	0.441892	0.0382661
14.4575	0.469313	0.0317439	0.471103	0.0292991	0.436919	0.0381487
14.4675	0.469593	0.02816	0.470431	0.0277712	0.434544	0.0375176
14.4775	0.466039	0.0278257	0.470919	0.0286553	0.434652	0.0409314
14.4875	0.463538	0.0283759	0.466447	0.0289841	0.434477	0.03885
14.4975	0.459141	0.0302314	0.468581	0.0269177	0.429346	0.0360879
14.5075	0.460564	0.0272976	0.464614	0.0289384	0.436401	0.0390882
14.5175	0.460645	0.0275779	0.465224	0.0282307	0.429979	0.0377761
14.5275	0.456597	0.0277944	0.465687	0.0287003	0.432236	0.0339173
14.5375	0.456339	0.0292335	0.466656	0.0278746	0.427476	0.0348018
14.5475	0.454638	0.0287111	0.461221	0.0278101	0.425907	0.0376498
14.5575	0.457378	0.0287708	0.462382	0.0275587	0.424131	0.0396073
14.5675	0.450338	0.0295322	0.465638	0.0322394	0.426358	0.0386156
14.5775	0.448381	0.0298452	0.463914	0.0325677	0.422169	0.038032
14.5875	0.450084	0.0260467	0.46772	0.0391948	0.425057	0.0386521
14.5975	0.450251	0.0301743	0.468434	0.0378319	0.423836	0.0342584
14.6075	0.447595	0.0274466	0.468868	0.0402598	0.422573	0.0351764

14.6175	0.449296	0.0260999	0.471339	0.0408168	0.424005	0.0374173
14.6275	0.443322	0.0289656	0.473263	0.0505016	0.42437	0.0358215
14.6375	0.447156	0.0287228	0.475864	0.0579051	0.425175	0.0350531
14.6475	0.442427	0.0317886	0.483764	0.064049	0.4203	0.0361839
14.6575	0.44778	0.0251231	0.487594	0.0694234	0.429248	0.0350275
14.6675	0.444024	0.0281823	0.488134	0.0759156	0.426644	0.0385861
14.6775	0.442875	0.0277673	0.491621	0.0811232	0.430332	0.0346292
14.6875	0.444807	0.0247434	0.503159	0.0967041	0.430669	0.0382846
14.6975	0.44713	0.02639	0.502141	0.0912061	0.434711	0.0378149
14.7075	0.441877	0.0297936	0.507607	0.109308	0.434101	0.0369938
14.7175	0.438664	0.0252171	0.512748	0.10399	0.432139	0.0380555
14.7275	0.447144	0.0231645	0.516259	0.118871	0.434981	0.0416476
14.7375	0.447868	0.0254113	0.514286	0.111656	0.436973	0.0413349
14.7475	0.442713	0.0296054	0.519129	0.115155	0.433404	0.0412754
14.7575	0.445067	0.0262186	0.511875	0.109516	0.43235	0.0424353
14.7675	0.445575	0.0262211	0.517692	0.114411	0.434299	0.0401282
14.7775	0.445129	0.0256409	0.514077	0.111122	0.43509	0.0432783
14.7875	0.447557	0.0260013	0.515465	0.110843	0.4354	0.0407969
14.7975	0.444914	0.0265763	0.509185	0.104392	0.436682	0.0431888
14.8075	0.448569	0.0272522	0.504045	0.0964163	0.436709	0.0423819
14.8175	0.449477	0.0297506	0.50335	0.0905528	0.43278	0.0394781
14.8275	0.446196	0.0270536	0.499957	0.0888607	0.426101	0.036539
14.8375	0.4466	0.0261577	0.495574	0.0874744	0.427562	0.0400488
14.8475	0.446879	0.0258201	0.493656	0.0755444	0.424216	0.0359129
14.8575	0.445413	0.0283422	0.490023	0.0641512	0.430108	0.0423523
14.8675	0.445408	0.0266933	0.48788	0.0690037	0.423442	0.0324474
14.8775	0.445631	0.0262579	0.481572	0.0522832	0.420986	0.035331
14.8875	0.445775	0.0269341	0.475902	0.0513435	0.422841	0.0368088
14.8975	0.445198	0.0243744	0.473184	0.047572	0.421653	0.0326147
14.9075	0.44078	0.0291911	0.471576	0.0383819	0.418172	0.0402234
14.9175	0.444434	0.0270689	0.467906	0.0374446	0.41497	0.0327863
14.9275	0.446918	0.0267999	0.468843	0.0333847	0.413954	0.0335927
14.9375	0.44579	0.0297045	0.466189	0.0338392	0.410736	0.0347881
14.9475	0.4382	0.0292136	0.462228	0.0347791	0.414516	0.0348037
14.9575	0.438251	0.0309326	0.461715	0.0312895	0.40943	0.0343771
14.9675	0.438639	0.0259838	0.453636	0.0343574	0.407223	0.0311151
14.9775	0.440718	0.0262049	0.457133	0.0319095	0.407091	0.0322955
14.9875	0.437394	0.0303478	0.451954	0.0327394	0.400246	0.0351362
14.9975	0.439256	0.0250472	0.44903	0.0317786	0.401713	0.0315523
15.0075	0.43531	0.0252135	0.448089	0.0285397	0.398695	0.0313354
15.0175	0.429124	0.026007	0.43952	0.0279849	0.397676	0.0339511
15.0275	0.43223	0.0269975	0.441379	0.0341046	0.392671	0.0321137
15.0375	0.42827	0.0263463	0.441427	0.0313546	0.389956	0.0313361
15.0475	0.422207	0.0214947	0.433832	0.0345711	0.390242	0.0300136
15.0575	0.419594	0.0298087	0.434889	0.0349725	0.388109	0.0329239
15.0675	0.416362	0.0279325	0.425568	0.0334138	0.386585	0.0297905
15.0775	0.415409	0.0239613	0.428413	0.0379015	0.384028	0.0299572

15.0875	0.413016	0.02496	0.426918	0.0393906	0.380203	0.0330493
15.0975	0.411547	0.0244813	0.42454	0.0377933	0.382237	0.0344294
15.1075	0.406614	0.0235741	0.420943	0.0442435	0.375828	0.030248
15.1175	0.405015	0.0226855	0.421031	0.0460518	0.376861	0.0308584
15.1275	0.400994	0.0255206	0.417738	0.0398908	0.378152	0.0307576
15.1375	0.40149	0.0230239	0.419138	0.0394607	0.373549	0.0312906
15.1475	0.398568	0.0242085	0.412604	0.0399915	0.370744	0.0282979
15.1575	0.39626	0.0242233	0.413707	0.0430659	0.372524	0.0290919
15.1675	0.396462	0.0241224	0.410564	0.0420666	0.371074	0.0285905
15.1775	0.39142	0.0246863	0.413817	0.0440864	0.368769	0.0303426
15.1875	0.387565	0.0240634	0.409365	0.0415953	0.363689	0.0299448
15.1975	0.38554	0.0229253	0.407604	0.0437111	0.365983	0.0312828
15.2075	0.38663	0.0230237	0.401497	0.0456478	0.364479	0.0287312
15.2175	0.389748	0.0222217	0.399383	0.0350614	0.363334	0.0277175
15.2275	0.381857	0.0232823	0.40234	0.0426814	0.357176	0.0287675
15.2375	0.37978	0.0226774	0.398534	0.034078	0.35833	0.026048
15.2475	0.378676	0.0256442	0.395835	0.0362704	0.360408	0.0290246
15.2575	0.375824	0.0219862	0.395901	0.0356491	0.357027	0.0283246
15.2675	0.375067	0.0220442	0.390193	0.0290651	0.355474	0.0285012
15.2775	0.372553	0.0226359	0.385414	0.0257363	0.354186	0.0277346
15.2875	0.371872	0.0216595	0.385973	0.0269256	0.348767	0.028014
15.2975	0.368891	0.0235706	0.38464	0.0278482	0.348871	0.0269556
15.3075	0.370045	0.0239826	0.379778	0.0294962	0.353428	0.0271069
15.3175	0.365776	0.0176353	0.377447	0.0247761	0.347594	0.029256
15.3275	0.370676	0.0200517	0.373104	0.0259697	0.345321	0.0260056
15.3375	0.367014	0.0193907	0.371704	0.0233852	0.345425	0.0278569
15.3475	0.367076	0.021343	0.373042	0.0254275	0.343734	0.0263443
15.3575	0.362791	0.0216276	0.368937	0.0274016	0.341083	0.0274449
15.3675	0.36399	0.022589	0.369775	0.0232533	0.340705	0.0277662
15.3775	0.360061	0.0204737	0.372166	0.025386	0.339026	0.0270598
15.3875	0.360163	0.0210265	0.371805	0.0231234	0.336735	0.0274012
15.3975	0.358562	0.0216152	0.370474	0.0223422	0.338051	0.0293416
15.4075	0.355408	0.0216113	0.368944	0.0237275	0.336511	0.0244736
15.4175	0.356704	0.0235517	0.363374	0.0237462	0.335283	0.0279106
15.4275	0.358737	0.0231407	0.366327	0.0252734	0.33744	0.0278306
15.4375	0.35135	0.0213968	0.365072	0.0209679	0.335613	0.025902
15.4475	0.352832	0.0224371	0.369165	0.0254391	0.336102	0.0288922
15.4575	0.354034	0.0221455	0.371273	0.0267967	0.337813	0.0281494
15.4675	0.351447	0.0209922	0.373843	0.0240802	0.339513	0.0254282
15.4775	0.353468	0.023426	0.374778	0.0282461	0.333631	0.0256416
15.4875	0.352449	0.021749	0.379889	0.0314658	0.33783	0.0263317
15.4975	0.351019	0.0223977	0.37536	0.0349625	0.342125	0.0292932
15.5075	0.352487	0.0232956	0.379463	0.0374807	0.338519	0.0315339
15.5175	0.35245	0.0230427	0.393224	0.0392278	0.347047	0.0366557
15.5275	0.354081	0.0222254	0.396694	0.0523533	0.348987	0.0408226
15.5375	0.354768	0.0221619	0.409967	0.0602946	0.355865	0.0469433
15.5475	0.355872	0.0232894	0.417043	0.0711297	0.360946	0.0563505

15.5575	0.359787	0.0218016	0.425917	0.0787039	0.371019	0.0626296
15.5675	0.367759	0.0241605	0.444099	0.0897084	0.372705	0.0636491
15.5775	0.371503	0.0197158	0.451376	0.120156	0.383902	0.0771993
15.5875	0.375977	0.0247425	0.471537	0.127106	0.39391	0.0917936
15.5975	0.383603	0.022599	0.491133	0.141127	0.3992	0.104587
15.6075	0.386341	0.0287331	0.509874	0.158835	0.416958	0.120951
15.6175	0.391495	0.0263577	0.529779	0.182024	0.426692	0.13842
15.6275	0.407055	0.0314877	0.558153	0.198285	0.445107	0.158598
15.6375	0.414768	0.0300954	0.575632	0.209892	0.459627	0.170049
15.6475	0.427078	0.03387	0.604217	0.24116	0.471149	0.183385
15.6575	0.440287	0.0331563	0.633306	0.257162	0.491844	0.203366
15.6675	0.452953	0.039072	0.658988	0.280277	0.505954	0.228297
15.6775	0.469662	0.0412047	0.675305	0.289713	0.523411	0.254354
15.6875	0.486119	0.0488755	0.705998	0.31163	0.539339	0.255243
15.6975	0.498051	0.0442069	0.721748	0.331366	0.555613	0.261
15.7075	0.510237	0.0529717	0.745073	0.337386	0.571535	0.287258
15.7175	0.528347	0.0548966	0.76354	0.347442	0.581624	0.289241
15.7275	0.540359	0.0572077	0.777867	0.352421	0.591747	0.301393
15.7375	0.559511	0.0600766	0.790078	0.352897	0.601216	0.29681
15.7475	0.572747	0.0640668	0.800001	0.352886	0.608852	0.302731
15.7575	0.583503	0.0686003	0.800022	0.349863	0.610479	0.308878
15.7675	0.592054	0.0604881	0.804469	0.347608	0.617782	0.304412
15.7775	0.606358	0.0676033	0.791676	0.334798	0.614727	0.293908
15.7875	0.610315	0.0689401	0.788753	0.324402	0.608326	0.278468
15.7975	0.622364	0.0701208	0.771153	0.310258	0.603138	0.269712
15.8075	0.61999	0.0691133	0.758307	0.302317	0.594248	0.255992
15.8175	0.615136	0.0641152	0.742203	0.285948	0.582196	0.23895
15.8275	0.609256	0.0630257	0.719551	0.265672	0.567401	0.219944
15.8375	0.609018	0.0652065	0.688623	0.255811	0.557004	0.203479
15.8475	0.597612	0.0608382	0.66342	0.231372	0.535716	0.192244
15.8575	0.587186	0.0592394	0.638676	0.213229	0.517036	0.168522
15.8675	0.575527	0.0575193	0.609943	0.197273	0.49666	0.145447
15.8775	0.561084	0.051549	0.58236	0.174113	0.475455	0.125436
15.8875	0.543365	0.0490409	0.552338	0.161452	0.460967	0.108902
15.8975	0.527552	0.048883	0.522184	0.145388	0.446661	0.101229
15.9075	0.508206	0.0505697	0.503124	0.127226	0.428881	0.0804791
15.9175	0.492632	0.0427419	0.479186	0.113548	0.411683	0.0710043
15.9275	0.472311	0.0408635	0.453902	0.0977701	0.393769	0.0609901
15.9375	0.458368	0.0393843	0.435509	0.0894278	0.380678	0.0568721
15.9475	0.439435	0.0354102	0.414597	0.0812468	0.371836	0.0485603
15.9575	0.422903	0.0337734	0.399545	0.0684192	0.35398	0.0407174
15.9675	0.40808	0.0269838	0.393807	0.0646699	0.347411	0.0332036
15.9775	0.396674	0.0299004	0.378943	0.0572858	0.339655	0.0329332
15.9875	0.382091	0.0287363	0.369852	0.048527	0.332893	0.0302174
15.9975	0.373072	0.0267926	0.363111	0.048435	0.324185	0.0298154
16.0075	0.362963	0.0251691	0.355898	0.0416138	0.322281	0.0245175
16.0175	0.351629	0.0248229	0.350923	0.0411859	0.317581	0.0239209

16.0275	0.345402	0.0201729	0.346448	0.0393496	0.313496	0.0268135
16.0375	0.337618	0.023624	0.342084	0.0352263	0.309056	0.022486
16.0475	0.335743	0.0203443	0.340829	0.0380982	0.305309	0.021475
16.0575	0.326329	0.0218457	0.33752	0.036616	0.306428	0.0227255
16.0675	0.330475	0.0199928	0.332175	0.0333308	0.304902	0.0242362
16.0775	0.325228	0.0206609	0.332505	0.0298338	0.300759	0.0226671
16.0875	0.322405	0.0210432	0.330572	0.0326466	0.304381	0.0225452
16.0975	0.320576	0.0179505	0.327231	0.0329702	0.300844	0.0221117
16.1075	0.318151	0.0187631	0.326091	0.0318167	0.297234	0.0237927
16.1175	0.314439	0.0209502	0.32284	0.0319573	0.29615	0.0222871
16.1275	0.31357	0.0216355	0.324869	0.0293285	0.293435	0.0222574
16.1375	0.312103	0.0205923	0.323134	0.027623	0.292691	0.0219048
16.1475	0.310159	0.0182929	0.320681	0.027619	0.296299	0.0227966
16.1575	0.310084	0.0190017	0.314728	0.0265253	0.289656	0.0202856
16.1675	0.309456	0.019839	0.31541	0.0270859	0.289224	0.0207048
16.1775	0.304621	0.0200475	0.311152	0.0240114	0.289008	0.0215503
16.1875	0.307121	0.0190152	0.31178	0.0223989	0.287076	0.0219014
16.1975	0.305796	0.0197506	0.309929	0.0260858	0.284353	0.0216005
16.2075	0.303591	0.0184865	0.30491	0.0192502	0.28222	0.0208358
16.2175	0.298524	0.0196678	0.300414	0.0203772	0.284282	0.0218608
16.2275	0.299697	0.0189759	0.300525	0.0228267	0.282186	0.020609
16.2375	0.29826	0.0193413	0.295978	0.0195879	0.282492	0.0191697
16.2475	0.296351	0.0192995	0.297296	0.0228157	0.278296	0.0222515
16.2575	0.294137	0.021891	0.295037	0.0197183	0.277518	0.0197785
16.2675	0.294441	0.0201971	0.294881	0.0192663	0.278636	0.020985
16.2775	0.292602	0.0192441	0.292708	0.0183553	0.27866	0.0196016
16.2875	0.289894	0.020703	0.293622	0.0214725	0.274466	0.0210264
16.2975	0.292781	0.0187712	0.291923	0.0215875	0.275717	0.021272
16.3075	0.289275	0.0199148	0.294345	0.0210013	0.272384	0.0189452
16.3175	0.288258	0.0172173	0.290675	0.0196158	0.273247	0.021131
16.3275	0.285957	0.0171743	0.291641	0.0193854	0.272538	0.0185074
16.3375	0.288382	0.0181643	0.286292	0.018757	0.2699	0.0188439
16.3475	0.284794	0.0201716	0.289884	0.0192212	0.272985	0.021182
16.3575	0.285507	0.018563	0.289834	0.0213808	0.268936	0.0209543
16.3675	0.286425	0.0183139	0.286265	0.0216105	0.270702	0.0215083
16.3775	0.285407	0.0194566	0.286298	0.0198798	0.272525	0.0196948
16.3875	0.2822	0.0177497	0.284317	0.0193391	0.270362	0.0213994
16.3975	0.281562	0.0160486	0.286644	0.0195456	0.268494	0.0189299
16.4075	0.28116	0.0197755	0.285532	0.0198504	0.266148	0.0165848
16.4175	0.282305	0.0193782	0.2798	0.0206015	0.267202	0.0210997
16.4275	0.27986	0.0205823	0.281681	0.0173279	0.265498	0.0222488
16.4375	0.276215	0.0191323	0.282387	0.0183184	0.267526	0.0216327
16.4475	0.279056	0.0179315	0.283008	0.0169326	0.266833	0.0205188
16.4575	0.276025	0.0182963	0.28371	0.0203424	0.266588	0.0196831
16.4675	0.278834	0.0181147	0.27891	0.0202715	0.265097	0.0194404
16.4775	0.276475	0.0181497	0.280019	0.0207455	0.264326	0.0202031
16.4875	0.279724	0.0171204	0.285212	0.0185039	0.26562	0.0214943

16.4975	0.275766	0.0190212	0.282174	0.0233243	0.264341	0.0195286
16.5075	0.272975	0.0178642	0.282531	0.0185154	0.263633	0.019585
16.5175	0.276513	0.0182184	0.277766	0.0186296	0.265137	0.0215771
16.5275	0.275495	0.0192233	0.282243	0.0170226	0.260997	0.0202336
16.5375	0.275396	0.0177811	0.280307	0.0220708	0.265739	0.0191316
16.5475	0.278736	0.0211859	0.281353	0.019731	0.267763	0.0203208
16.5575	0.27438	0.0186839	0.281475	0.0192825	0.263138	0.0201757
16.5675	0.273774	0.0185012	0.28174	0.0201559	0.262779	0.018917
16.5775	0.278223	0.0166068	0.279493	0.0219258	0.26303	0.0226158
16.5875	0.270088	0.0167298	0.279453	0.0190862	0.263182	0.0212646
16.5975	0.272405	0.019025	0.27898	0.0182241	0.263594	0.0191047
16.6075	0.275605	0.0205178	0.275827	0.0197037	0.258318	0.0202088
16.6175	0.27301	0.018344	0.276743	0.0183233	0.26421	0.0209325
16.6275	0.272541	0.0190935	0.277847	0.0186473	0.259943	0.0173218
16.6375	0.275776	0.0174907	0.273705	0.0212396	0.258848	0.0201796
16.6475	0.274754	0.0176322	0.276014	0.0188749	0.262863	0.0191487
16.6575	0.271479	0.0176345	0.276592	0.0175401	0.26078	0.0183288
16.6675	0.271407	0.0172081	0.274796	0.0159544	0.260256	0.0193598
16.6775	0.274621	0.0210569	0.27436	0.0213793	0.258437	0.0180009
16.6875	0.27059	0.0192708	0.272056	0.0187968	0.256874	0.0193177
16.6975	0.27091	0.0199787	0.272019	0.0197834	0.257523	0.0199796
16.7075	0.270245	0.0180874	0.272326	0.0166853	0.258442	0.0189664
16.7175	0.267723	0.0208757	0.27374	0.0204055	0.257504	0.0191558
16.7275	0.26813	0.01888	0.271149	0.0166357	0.254604	0.0193902
16.7375	0.267232	0.0174678	0.267906	0.0181	0.255168	0.0179771
16.7475	0.268978	0.0194051	0.269848	0.019048	0.256429	0.0168498
16.7575	0.266732	0.0189014	0.267216	0.0173224	0.256538	0.0183219
16.7675	0.26648	0.0191945	0.264543	0.018333	0.250527	0.0177094
16.7775	0.2657	0.017461	0.268908	0.0182031	0.251633	0.0194704
16.7875	0.263464	0.0176161	0.261553	0.0178552	0.249539	0.0180146
16.7975	0.260815	0.0181135	0.265082	0.017069	0.25062	0.0193116
16.8075	0.263617	0.0185805	0.262983	0.0186789	0.249421	0.0166931
16.8175	0.26448	0.0185879	0.263612	0.0188748	0.252658	0.0173382
16.8275	0.262585	0.0179445	0.259642	0.0139873	0.250234	0.0202801
16.8375	0.258285	0.0191066	0.256972	0.0188298	0.25022	0.0195479
16.8475	0.262025	0.0188291	0.25934	0.0191473	0.250896	0.0171231
16.8575	0.260125	0.0144454	0.261762	0.016828	0.245854	0.0176492
16.8675	0.261471	0.0172875	0.257621	0.0191314	0.246022	0.0182986
16.8775	0.258359	0.0195811	0.254833	0.0195248	0.245749	0.0181568
16.8875	0.260711	0.0196244	0.254523	0.0172509	0.246011	0.0184547
16.8975	0.255388	0.0166953	0.254469	0.0207757	0.249692	0.0186865
16.9075	0.251277	0.0187212	0.259621	0.0191631	0.246874	0.0162025
16.9175	0.255408	0.0172576	0.255953	0.0160439	0.243325	0.0164336
16.9275	0.255134	0.0159702	0.255817	0.0173838	0.244615	0.0176519
16.9375	0.253229	0.0199265	0.255291	0.0176212	0.239507	0.0194591
16.9475	0.253832	0.0178775	0.254854	0.0169945	0.243179	0.0186704
16.9575	0.251576	0.0173378	0.258764	0.0182878	0.24234	0.0191875

16.9675	0.253737	0.0185062	0.255927	0.0198262	0.242637	0.0190396
16.9775	0.25082	0.0183549	0.251626	0.0164246	0.241708	0.0183037
16.9875	0.252201	0.0184409	0.253477	0.0185888	0.241415	0.0181092
16.9975	0.250263	0.0184415	0.250666	0.0159346	0.242437	0.0181385
17.0075	0.252235	0.016562	0.249154	0.01572	0.243015	0.0180195
17.0175	0.250198	0.0157392	0.25263	0.01769	0.244505	0.0163521
17.0275	0.252162	0.0173244	0.252144	0.0182581	0.239748	0.0182511
17.0375	0.248333	0.0189152	0.252497	0.018793	0.239784	0.0170979
17.0475	0.246183	0.0163501	0.252767	0.0186461	0.236673	0.0170627
17.0575	0.250339	0.0171161	0.250732	0.0197785	0.238332	0.018977
17.0675	0.248383	0.0168454	0.250084	0.0175716	0.238036	0.0166722
17.0775	0.248798	0.0168981	0.251012	0.0192224	0.23576	0.0164082
17.0875	0.246179	0.0192742	0.248254	0.0193326	0.237939	0.0161793
17.0975	0.247517	0.0185762	0.249015	0.0183449	0.239181	0.0164302
17.1075	0.244862	0.017791	0.251157	0.0157159	0.237514	0.0174949
17.1175	0.248798	0.0188493	0.245753	0.0182423	0.237198	0.0189722
17.1275	0.245642	0.0173775	0.250536	0.0161765	0.237761	0.0161223
17.1375	0.244369	0.0167314	0.246709	0.0171606	0.237613	0.0187071
17.1475	0.242935	0.0179341	0.243188	0.0185058	0.238723	0.0178904
17.1575	0.24607	0.0175682	0.246467	0.0165349	0.232832	0.0173411
17.1675	0.245277	0.0172887	0.244092	0.0170499	0.235795	0.0157737
17.1775	0.241965	0.0188596	0.24339	0.0157027	0.238777	0.0162657
17.1875	0.24284	0.0146972	0.244233	0.0193572	0.237671	0.0178286
17.1975	0.24337	0.0177641	0.2404	0.0190156	0.235673	0.0171613
17.2075	0.244849	0.0164791	0.245812	0.0196436	0.235341	0.0161116
17.2175	0.241748	0.0164307	0.24295	0.0166081	0.235538	0.0157746
17.2275	0.240888	0.0165795	0.244935	0.0195375	0.233166	0.0156188
17.2375	0.243218	0.01811	0.242443	0.0211288	0.233829	0.0157984
17.2475	0.245335	0.0171753	0.245198	0.0179103	0.235667	0.016331
17.2575	0.24395	0.0161155	0.242851	0.018417	0.235511	0.0173542
17.2675	0.244399	0.0190538	0.246586	0.0176636	0.236596	0.0164843
17.2775	0.248472	0.0177925	0.241588	0.0188011	0.23405	0.0161389
17.2875	0.244531	0.0161003	0.245708	0.0166466	0.236786	0.0188483
17.2975	0.251701	0.015794	0.241248	0.0167676	0.236137	0.0173306
17.3075	0.247742	0.0173965	0.241456	0.0179354	0.234176	0.0153612
17.3175	0.250585	0.016494	0.242635	0.0184367	0.242586	0.0161757
17.3275	0.248787	0.0203925	0.245018	0.0181911	0.23988	0.0189996
17.3375	0.253402	0.0185511	0.244353	0.0189912	0.237018	0.0174323
17.3475	0.251198	0.0165877	0.245648	0.0161904	0.238132	0.0157986
17.3575	0.254509	0.0180576	0.243899	0.0186123	0.238419	0.0174616
17.3675	0.255121	0.0183877	0.244203	0.0171037	0.237986	0.018557
17.3775	0.257471	0.0160632	0.245339	0.018494	0.237542	0.0162574
17.3875	0.26038	0.018929	0.243386	0.0161591	0.240726	0.0187539
17.3975	0.260333	0.0168728	0.246378	0.0190773	0.243892	0.0197907
17.4075	0.261386	0.0178182	0.24614	0.0190306	0.244554	0.0179031
17.4175	0.264474	0.0185444	0.250696	0.0177116	0.241213	0.0176892
17.4275	0.263284	0.015427	0.248553	0.0174447	0.240813	0.0165581



17.4375	0.266036	0.0171004	0.248295	0.0187373	0.242234	0.0171402
17.4475	0.265061	0.0161018	0.251876	0.0184031	0.242837	0.0184437
17.4575	0.269188	0.0156663	0.250976	0.0211519	0.246763	0.0195768
17.4675	0.270186	0.016168	0.249591	0.0201695	0.24787	0.0197276
17.4775	0.264925	0.0169838	0.253702	0.02187	0.249188	0.0172015
17.4875	0.269222	0.0181633	0.256938	0.0245898	0.250576	0.0171961
17.4975	0.271085	0.0186603	0.259336	0.0273502	0.251423	0.0243994
17.5075	0.269683	0.0182795	0.262904	0.0262665	0.24977	0.0210116
17.5175	0.272418	0.0178561	0.264436	0.0309274	0.254165	0.0210417
17.5275	0.268333	0.0203584	0.266152	0.0312646	0.254255	0.0278768
17.5375	0.272023	0.0175437	0.271671	0.0361893	0.253983	0.0252949
17.5475	0.272079	0.0150152	0.273762	0.035729	0.25725	0.029535
17.5575	0.272492	0.0188677	0.278085	0.0398315	0.256698	0.0292488
17.5675	0.273077	0.0201227	0.2807	0.0460029	0.261402	0.0349717
17.5775	0.272952	0.0168184	0.285331	0.0507624	0.264214	0.0348256
17.5875	0.275241	0.0199584	0.285144	0.0460808	0.267708	0.0374605
17.5975	0.27586	0.0202369	0.287502	0.0538281	0.263582	0.0427778
17.6075	0.273536	0.0178405	0.292794	0.0558113	0.26704	0.0381937
17.6175	0.274735	0.0186372	0.292363	0.0569126	0.271835	0.0442068
17.6275	0.276783	0.0206846	0.297167	0.0583316	0.2682	0.0410723
17.6375	0.274297	0.0206853	0.29752	0.0581216	0.273495	0.0447656
17.6475	0.279518	0.0197335	0.297976	0.0616872	0.273097	0.0497677
17.6575	0.276786	0.0188718	0.296209	0.0556286	0.27352	0.0507327
17.6675	0.277788	0.0185444	0.296191	0.0573186	0.273624	0.0486682
17.6775	0.278992	0.0206119	0.294753	0.0559202	0.274011	0.0465408
17.6875	0.278828	0.0222376	0.294553	0.0548603	0.274752	0.0434125
17.6975	0.279179	0.0225066	0.28969	0.0523578	0.270779	0.0452861
17.7075	0.276601	0.018628	0.288545	0.0540521	0.268448	0.0438246
17.7175	0.27575	0.0226587	0.284338	0.0427906	0.269673	0.0437126
17.7275	0.276248	0.0206199	0.282152	0.0432108	0.266944	0.0441927
17.7375	0.273389	0.0222955	0.282593	0.0426949	0.261681	0.0361481
17.7475	0.272596	0.018775	0.277103	0.0368849	0.264539	0.0344771
17.7575	0.273246	0.0173699	0.276696	0.0347175	0.259141	0.030444
17.7675	0.270418	0.0189816	0.270198	0.0344871	0.258072	0.0289906
17.7775	0.267637	0.0183061	0.267827	0.0299871	0.258724	0.0278137
17.7875	0.268044	0.0171841	0.264298	0.0267568	0.255849	0.0246546
17.7975	0.26181	0.0184847	0.263022	0.0203076	0.256302	0.0229858
17.8075	0.261985	0.0165641	0.264674	0.0285071	0.253083	0.0230757
17.8175	0.260651	0.0184669	0.25828	0.0259826	0.252727	0.0228459
17.8275	0.260046	0.0194004	0.257025	0.0258312	0.249333	0.0215132
17.8375	0.256722	0.0172398	0.259436	0.0206705	0.249129	0.0222253
17.8475	0.255869	0.0172363	0.260223	0.0216136	0.247901	0.0179839
17.8575	0.257138	0.0153677	0.255018	0.0192317	0.248411	0.0188751
17.8675	0.25638	0.0160291	0.258506	0.0201254	0.249883	0.0202048
17.8775	0.25193	0.0173411	0.256093	0.0225977	0.248581	0.0191713
17.8875	0.256194	0.0166316	0.258519	0.0209203	0.246777	0.0171828
17.8975	0.253097	0.0157328	0.259496	0.0202734	0.247799	0.0203721

17.9075	0.25253	0.0140847	0.258042	0.0179188	0.253162	0.0200381
17.9175	0.252842	0.0185177	0.256938	0.0207854	0.249834	0.0184587
17.9275	0.251364	0.016855	0.25928	0.0185865	0.252	0.019629
17.9375	0.25166	0.0165771	0.256499	0.0198784	0.254838	0.0194168
17.9475	0.254467	0.0180761	0.257897	0.0220805	0.252736	0.0181266
17.9575	0.254023	0.0179324	0.262401	0.0201736	0.253414	0.0173715
17.9675	0.254194	0.019193	0.264948	0.0210397	0.256569	0.0159319
17.9775	0.259564	0.0175618	0.264288	0.0201455	0.253597	0.0185122
17.9875	0.256015	0.0161721	0.26276	0.0214153	0.25507	0.018051
17.9975	0.258853	0.0189544	0.263395	0.0180765	0.258486	0.0175191
18.0075	0.259444	0.0184899	0.263164	0.0206395	0.25937	0.0186358
18.0175	0.257777	0.0184719	0.262875	0.0194685	0.259171	0.018588
18.0275	0.26104	0.0183429	0.265709	0.0207507	0.256398	0.0160258
18.0375	0.26081	0.0177438	0.262499	0.0218533	0.260004	0.0169288
18.0475	0.259208	0.0158155	0.265906	0.0200015	0.259953	0.0166501
18.0575	0.260294	0.0190759	0.261518	0.0177527	0.260744	0.0172673
18.0675	0.264389	0.0179629	0.266726	0.0190402	0.262862	0.0179121
18.0775	0.2628	0.0175158	0.263682	0.016653	0.260582	0.0165388
18.0875	0.26572	0.0171709	0.270858	0.0211414	0.263618	0.0185741
18.0975	0.264778	0.0174317	0.262907	0.0178867	0.264926	0.0179217
18.1075	0.26397	0.0175825	0.266523	0.0172733	0.265866	0.0196901
18.1175	0.260577	0.0212816	0.269926	0.0176993	0.268522	0.0193392
18.1275	0.267823	0.0161561	0.272616	0.016036	0.267088	0.0154521
18.1375	0.262968	0.0184593	0.272753	0.0207217	0.267782	0.0148024
18.1475	0.267284	0.0166537	0.272183	0.020266	0.269197	0.0149537
18.1575	0.26707	0.0168649	0.267661	0.019153	0.272532	0.0162431
18.1675	0.267706	0.0194294	0.272077	0.0200931	0.276615	0.0181326
18.1775	0.26966	0.0180125	0.274891	0.0171567	0.276069	0.017438
18.1875	0.273393	0.0204116	0.279252	0.0166218	0.279294	0.0173519
18.1975	0.274191	0.0159811	0.279049	0.0176389	0.282126	0.01853
18.2075	0.273858	0.0193191	0.281185	0.016848	0.281706	0.0203905
18.2175	0.276794	0.0185127	0.286127	0.0191207	0.282959	0.018032
18.2275	0.281261	0.0167372	0.286431	0.0196072	0.285655	0.0161878
18.2375	0.278367	0.0191581	0.288082	0.0178089	0.288771	0.0188187
18.2475	0.279184	0.0202427	0.287924	0.019786	0.287944	0.0174533
18.2575	0.284049	0.0197917	0.294331	0.018232	0.291616	0.0153661
18.2675	0.285574	0.0161547	0.292465	0.0202982	0.296033	0.0159315
18.2775	0.28643	0.0177672	0.298199	0.0213313	0.300076	0.0178986
18.2875	0.290679	0.020414	0.297666	0.0172721	0.303302	0.016682
18.2975	0.292335	0.0172856	0.305812	0.0175594	0.307178	0.019155
18.3075	0.294282	0.0186582	0.304537	0.0215103	0.304274	0.0169339
18.3175	0.296219	0.0168618	0.309043	0.0203873	0.310963	0.0183815
18.3275	0.301632	0.0181762	0.313961	0.0207339	0.31477	0.01669
18.3375	0.30305	0.018437	0.315731	0.0216027	0.321998	0.0174633
18.3475	0.30395	0.0178127	0.320603	0.0206323	0.324127	0.017991
18.3575	0.311339	0.0208725	0.32637	0.0209001	0.327939	0.0186184
18.3675	0.31543	0.0200214	0.32793	0.0214138	0.332941	0.0193386

18.3775	0.317584	0.0198961	0.338547	0.0198462	0.339766	0.020786
18.3875	0.323606	0.0208423	0.342107	0.0206525	0.344928	0.0203171
18.3975	0.324457	0.0202624	0.347257	0.0241031	0.350047	0.0199805
18.4075	0.329932	0.0191228	0.350586	0.0200477	0.353144	0.0227172
18.4175	0.335041	0.0182381	0.352348	0.0218484	0.361227	0.0204413
18.4275	0.341768	0.0212092	0.358868	0.0235601	0.369659	0.0242238
18.4375	0.344551	0.0201888	0.375433	0.021285	0.375056	0.0225037
18.4475	0.353472	0.0201962	0.378643	0.0221174	0.382036	0.0210349
18.4575	0.352665	0.0235797	0.387938	0.0237248	0.387188	0.0227757
18.4675	0.36448	0.0211162	0.393936	0.0244788	0.399583	0.0237925
18.4775	0.371339	0.0242087	0.403968	0.0250395	0.404377	0.0232655
18.4875	0.380813	0.0223911	0.412081	0.0259589	0.416547	0.0267917
18.4975	0.382661	0.0187711	0.42232	0.023856	0.425048	0.0250059
18.5075	0.393436	0.0239046	0.428315	0.0254432	0.435774	0.023352
18.5175	0.401305	0.0241008	0.437138	0.023947	0.443917	0.0251415
18.5275	0.408573	0.0217917	0.446825	0.024836	0.456309	0.0275704
18.5375	0.420172	0.0242988	0.462099	0.0269386	0.468448	0.0278098
18.5475	0.426702	0.0209218	0.475945	0.025241	0.474744	0.0284026
18.5575	0.439406	0.0228175	0.486786	0.0272414	0.489408	0.0282222
18.5675	0.450863	0.0245704	0.498307	0.0253549	0.504093	0.0297659
18.5775	0.456183	0.0237982	0.512475	0.0286374	0.515477	0.0277891
18.5875	0.462998	0.0270546	0.525107	0.0293719	0.536056	0.0351426
18.5975	0.485648	0.0250828	0.541323	0.0278211	0.540751	0.0312985
18.6075	0.495529	0.0254152	0.551706	0.0311704	0.561636	0.0297666
18.6175	0.509008	0.0286579	0.571604	0.0271876	0.578276	0.0334122
18.6275	0.520218	0.0218933	0.583349	0.029721	0.586691	0.0308518
18.6375	0.535559	0.023071	0.593224	0.0267812	0.606708	0.033522
18.6475	0.546527	0.0280838	0.610332	0.0310534	0.616479	0.0335625
18.6575	0.568054	0.0296972	0.632127	0.0314885	0.64139	0.0345746
18.6675	0.575083	0.0257379	0.648271	0.0321611	0.657161	0.033012
18.6775	0.595537	0.0271547	0.668289	0.0361441	0.672351	0.0302004
18.6875	0.609098	0.0304522	0.678002	0.0322935	0.687674	0.0316683
18.6975	0.623725	0.0279422	0.696447	0.0309394	0.703614	0.0353478
18.7075	0.638171	0.0337353	0.709609	0.0345598	0.720327	0.0360753
18.7175	0.660012	0.0306748	0.732063	0.0358432	0.736872	0.0350506
18.7275	0.672982	0.0304444	0.742103	0.0322736	0.753241	0.036365
18.7375	0.688379	0.0301698	0.75841	0.0351024	0.774464	0.036437
18.7475	0.704102	0.0328192	0.773305	0.0323087	0.78723	0.0360957
18.7575	0.726738	0.0298096	0.794145	0.0328589	0.799053	0.0357874
18.7675	0.741847	0.0345029	0.809097	0.0355898	0.819161	0.03396
18.7775	0.757964	0.0309693	0.819803	0.0381696	0.834761	0.0361389
18.7875	0.774366	0.0337751	0.835929	0.0328475	0.84547	0.0358657
18.7975	0.791914	0.0291513	0.85193	0.0380855	0.861046	0.0327489
18.8075	0.804027	0.0320038	0.86134	0.0409057	0.875645	0.0417309
18.8175	0.81997	0.0325123	0.874661	0.0362814	0.883149	0.035616
18.8275	0.83435	0.0340404	0.885018	0.0347895	0.895407	0.0389376
18.8375	0.847254	0.0328603	0.899876	0.0332706	0.909722	0.0369177

18.8475	0.862337	0.0320948	0.905111	0.0371115	0.915498	0.0345665
18.8575	0.868985	0.0335666	0.912243	0.0357589	0.919283	0.0355757
18.8675	0.882648	0.0349603	0.921195	0.0323046	0.926712	0.0324203
18.8775	0.895289	0.0379314	0.934279	0.0350611	0.934186	0.0343779
18.8875	0.905749	0.0367872	0.937306	0.0408167	0.947553	0.0321104
18.8975	0.919232	0.0347055	0.946588	0.0351085	0.944817	0.0329004
18.9075	0.924253	0.0358568	0.947426	0.0339745	0.946633	0.0340939
18.9175	0.929925	0.0336909	0.949931	0.0308295	0.950912	0.0322898
18.9275	0.941367	0.0329471	0.949888	0.032504	0.951428	0.0334766
18.9375	0.942469	0.0338616	0.948018	0.0332003	0.954679	0.0324411
18.9475	0.94801	0.0321909	0.946516	0.0317562	0.952361	0.0338124
18.9575	0.94968	0.0313252	0.94312	0.035416	0.950974	0.0315183
18.9675	0.952063	0.0318176	0.940686	0.037347	0.948333	0.031221
18.9775	0.952144	0.0331186	0.931784	0.0355237	0.939278	0.032468
18.9875	0.957574	0.0311003	0.932727	0.0377672	0.935959	0.0327862
18.9975	0.949064	0.0362144	0.923995	0.0358172	0.92707	0.0311896
19.0075	0.944863	0.0329669	0.919831	0.0385411	0.925973	0.0381388
19.0175	0.942932	0.0371041	0.91002	0.0432724	0.909244	0.0335086
19.0275	0.941305	0.0331101	0.905093	0.0345193	0.899275	0.03713
19.0375	0.932564	0.0342091	0.898884	0.0384595	0.892104	0.0338332
19.0475	0.930594	0.0373838	0.880134	0.0369389	0.879622	0.0377712
19.0575	0.921759	0.0311966	0.867346	0.0364037	0.867273	0.0355267
19.0675	0.907877	0.0322335	0.856797	0.0335239	0.856038	0.0331591
19.0775	0.904354	0.0328562	0.843478	0.038625	0.837394	0.0339144
19.0875	0.890122	0.0360877	0.824613	0.0368731	0.826925	0.0362075
19.0975	0.874546	0.030224	0.806918	0.0368217	0.811041	0.0342638
19.1075	0.86703	0.0354925	0.789601	0.0360009	0.794372	0.0332137
19.1175	0.85443	0.0352335	0.775499	0.0358503	0.778059	0.030962
19.1275	0.836238	0.0330711	0.763255	0.0397472	0.759302	0.0338154
19.1375	0.8272	0.0375257	0.746332	0.0406385	0.752894	0.0363022
19.1475	0.803607	0.0363529	0.724266	0.0330587	0.729429	0.0310926
19.1575	0.794543	0.0319183	0.7144	0.0421435	0.714701	0.0350432
19.1675	0.776672	0.0333931	0.694542	0.0290914	0.699382	0.0312481
19.1775	0.765008	0.0319487	0.679668	0.0380647	0.687349	0.0295751
19.1875	0.748319	0.0293689	0.663282	0.0341255	0.660235	0.0311398
19.1975	0.729744	0.0330401	0.645623	0.0352189	0.642892	0.032066
19.2075	0.715653	0.0315018	0.626683	0.0281225	0.626856	0.0311552
19.2175	0.692569	0.0317647	0.608981	0.0301881	0.611007	0.0288269
19.2275	0.679185	0.0299296	0.59205	0.0280159	0.594979	0.0290829
19.2375	0.657527	0.0300427	0.581046	0.0295865	0.584797	0.0276759
19.2475	0.640206	0.0309407	0.562063	0.0302897	0.564915	0.0306903
19.2575	0.626307	0.0306608	0.548887	0.0297791	0.550237	0.026336
19.2675	0.604382	0.0296758	0.530054	0.0281056	0.529508	0.0256862
19.2775	0.592543	0.0282188	0.511307	0.0289015	0.514048	0.0282603
19.2875	0.578072	0.024166	0.499184	0.0303214	0.505493	0.0286084
19.2975	0.560907	0.0272482	0.489019	0.0282963	0.48538	0.0281426
19.3075	0.538438	0.0260162	0.471776	0.0262476	0.473565	0.0245517

19.3175	0.524776	0.0268587	0.459101	0.027717	0.46124	0.0237576
19.3275	0.517941	0.0256303	0.448518	0.0286429	0.449701	0.0217731
19.3375	0.501592	0.0256583	0.428277	0.02496	0.43661	0.0240582
19.3475	0.486873	0.0260891	0.419576	0.0235144	0.422866	0.0223624
19.3575	0.471363	0.0241216	0.407417	0.0244272	0.410387	0.0261088
19.3675	0.457524	0.0231399	0.398759	0.0236621	0.398193	0.0196217
19.3775	0.446745	0.0241334	0.385402	0.0238311	0.388615	0.0205791
19.3875	0.433418	0.0235357	0.379797	0.0248996	0.379925	0.0253105
19.3975	0.420438	0.0228985	0.364487	0.023989	0.370148	0.022503
19.4075	0.406374	0.021046	0.359333	0.0216985	0.356049	0.022674
19.4175	0.400399	0.0206125	0.348855	0.0195737	0.351511	0.0185876
19.4275	0.385986	0.0203909	0.340866	0.0229449	0.343862	0.0206988
19.4375	0.377226	0.0222745	0.333556	0.0203045	0.333394	0.0196465
19.4475	0.366236	0.0199678	0.326132	0.0213912	0.325944	0.0194362
19.4575	0.354345	0.0215396	0.316926	0.0218532	0.32229	0.0174591
19.4675	0.349933	0.0202995	0.311764	0.0217604	0.312934	0.0202012
19.4775	0.342522	0.0216696	0.303976	0.0181613	0.305201	0.0184758
19.4875	0.334522	0.0215778	0.294945	0.018063	0.297794	0.0185148
19.4975	0.32755	0.0175116	0.288358	0.018471	0.293052	0.0207075
19.5075	0.320271	0.0183193	0.282079	0.0209026	0.284759	0.0184664
19.5175	0.314313	0.0221443	0.275438	0.0206388	0.281578	0.016365
19.5275	0.308454	0.0197268	0.26943	0.0196856	0.27645	0.0168276
19.5375	0.301727	0.0204653	0.266514	0.0190602	0.273012	0.0175268
19.5475	0.29482	0.0213855	0.262963	0.0181867	0.262176	0.0188625
19.5575	0.284115	0.0200834	0.253669	0.0187718	0.258625	0.0172276
19.5675	0.280483	0.0184968	0.252719	0.0185582	0.259607	0.0158132
19.5775	0.27801	0.018749	0.248218	0.0200148	0.251392	0.0176492
19.5875	0.274918	0.0191295	0.245892	0.0158811	0.246639	0.0179015
19.5975	0.26666	0.0180222	0.235986	0.0184067	0.239329	0.016353
19.6075	0.259435	0.0175437	0.232175	0.0174518	0.239818	0.0177022
19.6175	0.25587	0.0187507	0.226715	0.0209486	0.230979	0.0155652
19.6275	0.2538	0.0176923	0.223359	0.0175424	0.229139	0.0164706
19.6375	0.249384	0.0176907	0.217733	0.0188704	0.226301	0.0158485
19.6475	0.245456	0.017904	0.21666	0.0174279	0.220225	0.0178263
19.6575	0.236585	0.0156496	0.215838	0.0174004	0.214537	0.0151276
19.6675	0.235356	0.016743	0.21083	0.0169453	0.213535	0.013483
19.6775	0.232027	0.0152417	0.203139	0.0150832	0.210947	0.0170592
19.6875	0.225827	0.0165537	0.20088	0.0153669	0.208083	0.0134802
19.6975	0.223737	0.0163743	0.199354	0.0154029	0.203467	0.0144075
19.7075	0.221912	0.0164414	0.197524	0.0147745	0.203587	0.0144466
19.7175	0.216525	0.0159137	0.193407	0.0165813	0.195709	0.0145531
19.7275	0.210488	0.0178211	0.192283	0.0176808	0.193387	0.0166121
19.7375	0.208535	0.0166064	0.188384	0.014652	0.192492	0.0138715
19.7475	0.203446	0.0152211	0.189115	0.0151267	0.188954	0.0135774
19.7575	0.201608	0.0151921	0.184131	0.015075	0.185262	0.0164582
19.7675	0.199719	0.0157982	0.182569	0.0139762	0.18552	0.0151137
19.7775	0.19572	0.0177744	0.183478	0.0146893	0.183458	0.0143645

19.7875	0.191818	0.0156358	0.181591	0.0156954	0.179193	0.012729
19.7975	0.189998	0.0139165	0.18197	0.0152223	0.182785	0.014771
19.8075	0.187323	0.0151794	0.182621	0.0149825	0.181447	0.0139461
19.8175	0.184155	0.0158608	0.182417	0.0154485	0.177664	0.0137121
19.8275	0.183555	0.0153431	0.186847	0.014583	0.179449	0.0139403
19.8375	0.180965	0.0140269	0.189429	0.0167989	0.183752	0.0144556
19.8475	0.180618	0.0148848	0.193823	0.0158109	0.185224	0.0150025
19.8575	0.181934	0.0145241	0.200594	0.0181556	0.186452	0.014336
19.8675	0.18196	0.0147546	0.205841	0.0173435	0.19279	0.0125003
19.8775	0.18215	0.0134437	0.216244	0.0187776	0.197839	0.014826
19.8875	0.180451	0.0149408	0.228088	0.0198591	0.206689	0.0148665
19.8975	0.189199	0.015301	0.237817	0.0181383	0.215718	0.0145132
19.9075	0.188957	0.0163423	0.253541	0.020972	0.22189	0.0170258
19.9175	0.195381	0.0160969	0.268447	0.0224744	0.232376	0.0165351
19.9275	0.201365	0.0142936	0.284779	0.0247721	0.244391	0.0177372
19.9375	0.207181	0.0162529	0.300085	0.0262182	0.258387	0.0190619
19.9475	0.216736	0.0174832	0.320966	0.0285481	0.271477	0.0194325
19.9575	0.228366	0.0164258	0.340276	0.0251458	0.287659	0.0190354
19.9675	0.238289	0.0155957	0.362399	0.0284755	0.307134	0.020119
19.9775	0.251984	0.0163113	0.387676	0.0282903	0.323293	0.021724
19.9875	0.26534	0.0188538	0.410591	0.0248526	0.343705	0.0215427
19.9975	0.28371	0.0188838	0.436411	0.0305389	0.36314	0.022538
20.0075	0.294586	0.0188272	0.456421	0.0291408	0.382292	0.0224829
20.0175	0.319437	0.018088	0.484313	0.032105	0.402838	0.0264917
20.0275	0.338537	0.0225497	0.513053	0.0322004	0.426015	0.0266635
20.0375	0.355482	0.0224685	0.535818	0.0327591	0.452322	0.0288525
20.0475	0.377965	0.0243084	0.55767	0.0351492	0.46908	0.0316081
20.0575	0.400201	0.0220919	0.591507	0.032148	0.491921	0.0280167
20.0675	0.421687	0.0238763	0.60986	0.0305142	0.512421	0.0327746
20.0775	0.444281	0.0219224	0.63263	0.0348755	0.532925	0.0317783
20.0875	0.467722	0.0245059	0.650207	0.0311597	0.558993	0.0370442
20.0975	0.494119	0.0249321	0.668532	0.0372727	0.570334	0.0372032
20.1075	0.516443	0.0291244	0.681405	0.034093	0.590785	0.0381828
20.1175	0.533544	0.0318346	0.70347	0.0368049	0.608048	0.0382929
20.1275	0.558379	0.0305952	0.715435	0.0354656	0.621104	0.0384145
20.1375	0.580439	0.0310786	0.71758	0.0395318	0.632297	0.040871
20.1475	0.597018	0.0269504	0.717644	0.0328802	0.640968	0.0432554
20.1575	0.618497	0.0291064	0.727816	0.0377658	0.650885	0.0398684
20.1675	0.627718	0.0373341	0.724348	0.0378073	0.649187	0.039478
20.1775	0.641904	0.0330361	0.722466	0.0384364	0.651132	0.0409538
20.1875	0.659446	0.0268922	0.710774	0.0392193	0.647807	0.044272
20.1975	0.666842	0.0348913	0.696203	0.0399185	0.639244	0.0409156
20.2075	0.67368	0.0341852	0.673327	0.0421012	0.629655	0.0422976
20.2175	0.673022	0.0319059	0.648753	0.0410327	0.620192	0.0388846
20.2275	0.681074	0.0313422	0.630097	0.0410441	0.598098	0.0384577
20.2375	0.673647	0.0291072	0.600643	0.0397667	0.585361	0.0384458
20.2475	0.668863	0.0317004	0.573446	0.0426648	0.56259	0.0386043

20.2575	0.652472	0.0328442	0.542058	0.0408265	0.535512	0.0353717
20.2675	0.643658	0.032891	0.507422	0.04079	0.509813	0.0344534
20.2775	0.623564	0.0313412	0.472346	0.0370164	0.486124	0.0315036
20.2875	0.60136	0.0322646	0.438392	0.038913	0.455518	0.0303839
20.2975	0.577415	0.0284584	0.415584	0.0367744	0.428945	0.0307256
20.3075	0.550888	0.029599	0.374872	0.0336397	0.398588	0.0274788
20.3175	0.525711	0.0311199	0.347304	0.0328179	0.371669	0.0272935
20.3275	0.496239	0.0276417	0.317823	0.029644	0.337689	0.027176
20.3375	0.466139	0.0273015	0.289516	0.0286613	0.311675	0.0236603
20.3475	0.438778	0.0283153	0.266961	0.0239308	0.285018	0.0198861
20.3575	0.407563	0.0260279	0.241822	0.0246211	0.266023	0.0214183
20.3675	0.374275	0.024223	0.225545	0.0232472	0.243499	0.0191474
20.3775	0.349797	0.022847	0.205211	0.0210194	0.223356	0.0180675
20.3875	0.31696	0.0219988	0.190432	0.0221605	0.204198	0.0165257
20.3975	0.290021	0.0196725	0.174163	0.0179884	0.190511	0.0154596
20.4075	0.269029	0.0203919	0.166231	0.0170722	0.177627	0.0157573
20.4175	0.243662	0.0194782	0.156724	0.0163025	0.164859	0.0144644
20.4275	0.223648	0.0178391	0.145065	0.0158407	0.156285	0.0107867
20.4375	0.204944	0.0157132	0.13572	0.0131071	0.147937	0.0145317
20.4475	0.190375	0.0168543	0.133422	0.0153075	0.143347	0.0148275
20.4575	0.179065	0.014269	0.131169	0.0117807	0.13402	0.0130246
20.4675	0.167538	0.0162902	0.125247	0.0135939	0.131407	0.0121706
20.4775	0.155108	0.0149344	0.123376	0.0115259	0.124555	0.0113384
20.4875	0.145586	0.0130904	0.12382	0.0137757	0.123274	0.0117624
20.4975	0.138404	0.0135742	0.120288	0.0132546	0.1219	0.0105041
20.5075	0.134469	0.0124334	0.11747	0.0135432	0.120956	0.012212
20.5175	0.131606	0.0121796	0.117551	0.012753	0.117721	0.0129805
20.5275	0.126221	0.0123359	0.117847	0.0118932	0.118663	0.0125364
20.5375	0.12364	0.0121458	0.116618	0.0116717	0.117865	0.0126014
20.5475	0.121612	0.0115305	0.115636	0.0119658	0.117917	0.0123839
20.5575	0.119769	0.011008	0.117639	0.0107455	0.118712	0.0137347
20.5675	0.118709	0.0124789	0.117085	0.0108681	0.115908	0.0101961
20.5775	0.118079	0.0115739	0.114105	0.0108523	0.117957	0.0118236
20.5875	0.118041	0.0110098	0.114849	0.0104763	0.1185	0.0101914
20.5975	0.115967	0.011626	0.115836	0.0121939	0.116052	0.0115851
20.6075	0.116969	0.0113237	0.113722	0.0116853	0.118192	0.0113784
20.6175	0.115505	0.010976	0.114822	0.010374	0.120984	0.0120393
20.6275	0.118359	0.0117918	0.115646	0.0117192	0.11864	0.011067
20.6375	0.115595	0.0116338	0.117103	0.0130523	0.118178	0.0120945
20.6475	0.116104	0.0130696	0.119069	0.0138731	0.120591	0.0143499
20.6575	0.118011	0.0113157	0.120199	0.0128409	0.12236	0.0136016
20.6675	0.117866	0.0119834	0.119111	0.0132071	0.120401	0.0123274
20.6775	0.118209	0.0144115	0.121691	0.0117666	0.120512	0.0125852
20.6875	0.118133	0.011512	0.121438	0.0124564	0.123757	0.0125533
20.6975	0.11864	0.0109563	0.120472	0.0119712	0.124555	0.012512
20.7075	0.118259	0.0127835	0.123508	0.0113906	0.124884	0.0132757
20.7175	0.120684	0.0102706	0.123513	0.012811	0.123596	0.012203

20.7275	0.118631	0.011741	0.122346	0.0118668	0.126703	0.0129907
20.7375	0.118144	0.010767	0.123104	0.013198	0.127316	0.0139152
20.7475	0.119716	0.0113733	0.12642	0.0141945	0.127875	0.0125254
20.7575	0.121788	0.0131854	0.126912	0.0122759	0.130735	0.0129991
20.7675	0.121323	0.0113461	0.127899	0.0144837	0.131744	0.0147225
20.7775	0.123991	0.0125657	0.130617	0.0120501	0.130555	0.0144173
20.7875	0.122118	0.0129542	0.127728	0.012098	0.132474	0.014708
20.7975	0.1258	0.0129092	0.1312	0.0137313	0.134877	0.0134656
20.8075	0.124928	0.0116019	0.133537	0.0119806	0.138352	0.0140852
20.8175	0.126647	0.0130767	0.133322	0.0132387	0.138561	0.0138619
20.8275	0.128221	0.0120344	0.133736	0.0127696	0.141101	0.0139103
20.8375	0.133423	0.0118589	0.135134	0.0132912	0.141917	0.0145221
20.8475	0.129537	0.00973234	0.138037	0.0141632	0.143592	0.016081
20.8575	0.131546	0.0116686	0.141896	0.0131597	0.145366	0.0153376
20.8675	0.13334	0.012376	0.141816	0.0115275	0.146359	0.0151564
20.8775	0.135749	0.0130146	0.143941	0.0145237	0.148408	0.0157669
20.8875	0.134915	0.0122776	0.1446	0.0131884	0.146793	0.0155792
20.8975	0.137328	0.0121952	0.148357	0.0136347	0.149933	0.0155658
20.9075	0.139437	0.0130133	0.148216	0.0115203	0.154151	0.014014
20.9175	0.142181	0.0137032	0.149508	0.0148422	0.154449	0.0146238
20.9275	0.143403	0.0143722	0.149071	0.014	0.156588	0.0159087
20.9375	0.142513	0.0148248	0.153573	0.0124852	0.153492	0.0158284
20.9475	0.146523	0.0138526	0.155321	0.0126501	0.158878	0.0152746
20.9575	0.145696	0.0127689	0.15843	0.013723	0.159346	0.0145742
20.9675	0.147725	0.0128134	0.154231	0.013994	0.163308	0.0176479
20.9775	0.153466	0.0140714	0.158379	0.0134817	0.16256	0.0164706
20.9875	0.15287	0.013607	0.160056	0.0133428	0.165764	0.0162785
20.9975	0.152387	0.0139763	0.164337	0.0153696	0.164902	0.0150312



SB >400µm		SB X1		SB SNF		SB SF
mean	std	mean	std	mean	std	mean
0.301405	0.106735	0.308687	0.11143	0.207508	0.0201546	2.26705
0.304656	0.110732	0.310137	0.108058	0.206511	0.0142846	2.22612
0.303527	0.112638	0.315931	0.113678	0.210907	0.0169403	2.22689
0.302083	0.112682	0.308801	0.110392	0.208779	0.015025	2.24404
0.296841	0.101034	0.302719	0.114408	0.205839	0.01184	2.23019
0.296671	0.103648	0.306009	0.102969	0.208633	0.0155606	2.24663
0.298286	0.106989	0.30645	0.112916	0.207516	0.0176179	2.21478
0.297871	0.103766	0.303618	0.109196	0.202652	0.0127888	2.21132
0.296421	0.111086	0.304958	0.109611	0.205249	0.0114203	2.20511
0.29582	0.107633	0.308482	0.111941	0.201042	0.016722	2.22559
0.295062	0.103503	0.302535	0.107534	0.200532	0.014472	2.22557
0.295744	0.105704	0.304841	0.103103	0.202207	0.0137443	2.2116
0.293859	0.102985	0.311067	0.11518	0.206187	0.0165375	2.2145
0.295007	0.105927	0.301094	0.109106	0.197679	0.0140839	2.20371
0.292021	0.102103	0.303709	0.108588	0.20063	0.0131395	2.20423
0.295662	0.109189	0.302503	0.118517	0.198765	0.0144961	2.19836
0.295325	0.102074	0.306898	0.107371	0.202522	0.0167546	2.24487
0.29476	0.100578	0.305782	0.114464	0.20357	0.0183039	2.21676
0.299959	0.105998	0.30831	0.106408	0.208729	0.0180684	2.22763
0.302645	0.106875	0.30877	0.113979	0.210373	0.0150397	2.23912
0.303739	0.109545	0.315307	0.121606	0.216098	0.0143232	2.22939
0.308595	0.109233	0.323118	0.11579	0.216713	0.016274	2.25873
0.312258	0.105802	0.320944	0.114184	0.224228	0.0167299	2.23157
0.322832	0.111033	0.327772	0.11891	0.224229	0.0158453	2.2213
0.325782	0.11318	0.335759	0.120594	0.225353	0.0146191	2.2515
0.328262	0.113772	0.332906	0.118561	0.227717	0.0187557	2.28104
0.325031	0.112747	0.32266	0.120953	0.224952	0.0167007	2.24066
0.324587	0.108909	0.323395	0.117069	0.222697	0.0128967	2.27249
0.321836	0.111826	0.320343	0.12387	0.222966	0.0160793	2.2444
0.313619	0.109053	0.321871	0.118168	0.21837	0.0165654	2.20182
0.305886	0.105725	0.314741	0.119057	0.217483	0.0141103	2.23863
0.303477	0.107752	0.308351	0.116626	0.211371	0.0145995	2.20453
0.300926	0.105698	0.309562	0.117825	0.215614	0.0160385	2.20318
0.298621	0.109518	0.307094	0.112969	0.217671	0.0153202	2.1886
0.297101	0.102307	0.302818	0.110933	0.215103	0.0140671	2.17309
0.299734	0.109481	0.307004	0.12029	0.218269	0.0145846	2.19934
0.305512	0.109454	0.304061	0.1133	0.232976	0.0215142	2.18793
0.313425	0.11121	0.31698	0.117024	0.254039	0.0216309	2.23924
0.332374	0.114624	0.334086	0.124367	0.296554	0.0250523	2.2608
0.36287	0.122626	0.363993	0.134331	0.359281	0.0327462	2.36981
0.410251	0.136244	0.405212	0.162832	0.466959	0.0449386	2.4847
0.47964	0.153458	0.458066	0.179872	0.606444	0.0580343	2.69445
0.561202	0.176729	0.531656	0.202839	0.78837	0.0726182	2.96039
0.667036	0.205507	0.625153	0.25539	1.0177	0.110837	3.24064
0.794112	0.246879	0.726693	0.2906	1.275	0.143062	3.61264

0.922619	0.280766	0.827076	0.338911	1.53985	0.179596	3.94844
1.03754	0.32275	0.92193	0.38439	1.77575	0.20439	4.23805
1.12945	0.351517	0.997562	0.404046	1.95232	0.211892	4.54869
1.18454	0.358708	1.03541	0.433121	2.04788	0.2165	4.64071
1.19075	0.36248	1.03113	0.425199	2.05295	0.230785	4.62252
1.14733	0.355675	0.998692	0.40832	1.95366	0.216282	4.53226
1.06799	0.321039	0.922986	0.371008	1.77308	0.203659	4.24779
0.965371	0.3019	0.826326	0.338303	1.53331	0.166427	3.96532
0.849417	0.262104	0.719981	0.291374	1.28793	0.131374	3.63702
0.727459	0.22456	0.634273	0.25819	1.04649	0.106603	3.26762
0.624678	0.193074	0.552862	0.225438	0.832537	0.0892648	2.98713
0.548433	0.16968	0.495119	0.206384	0.653595	0.0658854	2.73518
0.483809	0.157097	0.441898	0.172671	0.517751	0.0444023	2.54658
0.445515	0.145822	0.41604	0.16779	0.427232	0.0406478	2.4497
0.427175	0.139774	0.410751	0.170068	0.366832	0.0354811	2.36178
0.44238	0.14431	0.429937	0.174395	0.348152	0.0341047	2.35305
0.501028	0.158765	0.492124	0.205547	0.375542	0.033471	2.42599
0.622488	0.197096	0.625702	0.273439	0.448361	0.0410147	2.65436
0.843279	0.269944	0.83627	0.381326	0.602861	0.0603015	3.0602
1.20196	0.390512	1.16679	0.544323	0.851281	0.08076	3.69562
1.73956	0.575867	1.68261	0.824195	1.2178	0.128112	4.66518
2.51414	0.837395	2.38746	1.19222	1.7422	0.190994	6.05742
3.53011	1.17816	3.30963	1.67876	2.4423	0.259821	7.85826
4.78911	1.61949	4.4363	2.26747	3.29573	0.350514	10.0376
6.24112	2.10333	5.72337	2.93666	4.2536	0.476974	12.5634
7.74644	2.62177	7.00565	3.58587	5.24586	0.590371	15.0729
9.18462	3.12504	8.1862	4.20222	6.18516	0.676862	17.5132
10.3506	3.51327	9.1074	4.65871	6.92793	0.755638	19.4821
11.0906	3.79291	9.66204	4.982	7.35558	0.802061	20.7207
11.2946	3.84876	9.73003	5.02615	7.4404	0.817311	20.9289
10.9805	3.75103	9.28289	4.79974	7.17631	0.790804	20.2087
10.1406	3.47394	8.52538	4.43293	6.58509	0.745883	18.7626
8.94618	3.05488	7.44728	3.86628	5.79957	0.651236	16.6874
7.54223	2.56541	6.20425	3.22901	4.82574	0.529498	14.2816
6.10243	2.07587	4.98819	2.58356	3.88855	0.424243	11.831
4.76854	1.62721	3.87888	1.98508	3.03865	0.338053	9.58169
3.62642	1.22655	2.96262	1.51594	2.28861	0.252183	7.653
2.7241	0.914173	2.22124	1.10317	1.7002	0.176317	6.12153
2.05667	0.672769	1.69994	0.822942	1.28203	0.140309	5.01296
1.55113	0.510153	1.29346	0.635097	0.964635	0.0995608	4.15967
1.18906	0.393388	1.0076	0.491736	0.737116	0.0700289	3.53289
0.936346	0.30393	0.804514	0.367258	0.571295	0.0515317	3.11701
0.754374	0.244348	0.653943	0.287976	0.459817	0.0415526	2.79794
0.62588	0.199882	0.545005	0.237343	0.382824	0.0296623	2.56781
0.532416	0.172672	0.467788	0.18772	0.320754	0.0224117	2.4246
0.462496	0.147902	0.416318	0.160499	0.279257	0.0236065	2.32891
0.411787	0.131439	0.375455	0.15611	0.251075	0.0188884	2.22138

0.376857	0.13422	0.365689	0.143013	0.235823	0.0184049	2.16409
0.357537	0.125818	0.353624	0.135396	0.228827	0.0196343	2.12041
0.349063	0.123017	0.351998	0.13518	0.230167	0.0193892	2.12755
0.334676	0.11295	0.36345	0.143291	0.245096	0.0261421	2.12955
0.332745	0.107975	0.367933	0.138046	0.257039	0.0282007	2.16679
0.340259	0.122857	0.377293	0.149385	0.275938	0.0238608	2.17966
0.345259	0.128193	0.380871	0.150545	0.291092	0.0252262	2.26163
0.349321	0.131699	0.396303	0.150479	0.307689	0.0285898	2.30729
0.357671	0.128954	0.400382	0.156765	0.3205	0.0305121	2.34532
0.362179	0.120646	0.403593	0.161035	0.322581	0.0287649	2.37597
0.365242	0.126768	0.394992	0.15717	0.324975	0.028041	2.40083
0.361921	0.129666	0.390673	0.154935	0.315294	0.0264028	2.385
0.353917	0.132698	0.387107	0.152566	0.299061	0.0291838	2.39445
0.343491	0.127873	0.367996	0.147188	0.282108	0.0238274	2.37641
0.335946	0.120959	0.353201	0.134942	0.264062	0.0193023	2.329
0.32734	0.117511	0.338839	0.126049	0.245692	0.0189113	2.30572
0.313841	0.114797	0.324438	0.12248	0.227351	0.0168124	2.25332
0.304222	0.114343	0.322614	0.126107	0.212391	0.0160212	2.24438
0.297066	0.107767	0.316523	0.118459	0.200822	0.0131792	2.20157
0.294331	0.105938	0.308624	0.115244	0.193976	0.013225	2.14537
0.289057	0.102034	0.302599	0.117071	0.185852	0.0131275	2.1195
0.287102	0.102746	0.303824	0.115368	0.182476	0.0134558	2.08954
0.286987	0.103101	0.299923	0.115882	0.182631	0.013154	2.07054
0.290404	0.104406	0.310419	0.119066	0.18193	0.0139612	2.05216
0.299512	0.108599	0.326413	0.126641	0.182409	0.0135025	2.03342
0.312763	0.1109	0.35402	0.135697	0.190295	0.0139952	2.0309
0.337107	0.112017	0.387438	0.151238	0.203176	0.0126854	2.02306
0.374851	0.120356	0.438565	0.179398	0.22129	0.0123775	2.02361
0.435706	0.139439	0.528339	0.216428	0.249639	0.0157115	2.06502
0.525766	0.161611	0.658184	0.27863	0.297006	0.0205493	2.11373
0.644769	0.187185	0.838328	0.352795	0.36308	0.0291593	2.17742
0.80403	0.221655	1.06585	0.4499	0.448346	0.0386632	2.26574
1.00484	0.279961	1.3422	0.586116	0.548835	0.0462272	2.38176
1.24317	0.350487	1.65603	0.738172	0.669816	0.0576188	2.52048
1.50418	0.422499	1.99616	0.884357	0.796993	0.0718903	2.65862
1.76739	0.485598	2.33261	1.04278	0.914228	0.0824123	2.77446
1.99975	0.548513	2.62883	1.19158	1.02309	0.0886223	2.87576
2.18478	0.59709	2.85265	1.29126	1.10644	0.0992407	2.99498
2.30193	0.62716	2.96735	1.33311	1.14736	0.106344	3.06978
2.32455	0.635853	2.96864	1.33483	1.14424	0.107357	3.04752
2.26139	0.621383	2.83253	1.2735	1.10496	0.101203	3.00556
2.11518	0.576291	2.62941	1.1646	1.0296	0.096212	2.89699
1.90413	0.518793	2.33956	1.03089	0.919819	0.0795879	2.77613
1.66039	0.46054	2.00591	0.880313	0.796082	0.0685334	2.65473
1.40368	0.390891	1.66569	0.717452	0.671587	0.0574162	2.48588
1.16	0.320983	1.36255	0.573979	0.558863	0.0425947	2.3481
0.95214	0.267476	1.10761	0.451712	0.459656	0.0328311	2.26231

0.778745	0.223546	0.905387	0.364836	0.380952	0.0256029	2.16465
0.651788	0.193568	0.746742	0.300044	0.325935	0.021689	2.08963
0.559978	0.165415	0.647243	0.246455	0.291486	0.0193821	2.04419
0.501353	0.146831	0.590655	0.222645	0.270325	0.0172872	2.01471
0.469183	0.14056	0.546215	0.199974	0.257542	0.0175151	2.02301
0.450278	0.136382	0.521495	0.191282	0.252011	0.015264	2.00817
0.434556	0.134846	0.510498	0.186851	0.248095	0.0126222	1.99517
0.426725	0.133323	0.500644	0.181503	0.240823	0.015278	2.00217
0.420338	0.134424	0.479409	0.18048	0.237179	0.0147405	2.00935
0.407154	0.13307	0.458802	0.171211	0.235576	0.0154482	2.02089
0.391031	0.1285	0.433704	0.160275	0.22889	0.0146087	2.00782
0.372923	0.124724	0.408099	0.148062	0.216873	0.0140069	1.99593
0.353708	0.116045	0.384644	0.144042	0.208053	0.0115156	2.00099
0.338744	0.112947	0.363698	0.133346	0.198747	0.0106627	2.00007
0.327846	0.113506	0.344482	0.125015	0.195545	0.00993633	2.00998
0.317603	0.107031	0.335581	0.124535	0.193926	0.0113217	2.04297
0.311076	0.100894	0.329372	0.122134	0.194349	0.0120945	2.08797
0.315145	0.102524	0.32409	0.121432	0.203467	0.0136228	2.15856
0.326438	0.110596	0.334488	0.127329	0.215116	0.0150431	2.28644
0.346635	0.118254	0.35587	0.137845	0.233306	0.0175646	2.48138
0.375611	0.121282	0.378907	0.138514	0.262196	0.0194287	2.73297
0.412239	0.126899	0.413405	0.145295	0.298956	0.0199477	3.09541
0.463297	0.13967	0.458681	0.165515	0.346322	0.0236429	3.5966
0.523	0.160167	0.510415	0.180859	0.407298	0.0318296	4.19223
0.588843	0.17355	0.57374	0.202611	0.477706	0.0405266	4.94463
0.66889	0.189289	0.640982	0.23069	0.549335	0.0477551	5.7714
0.753473	0.212831	0.703966	0.251623	0.623658	0.0547991	6.63497
0.831586	0.239769	0.771852	0.271892	0.698599	0.0604395	7.45958
0.903442	0.263303	0.835163	0.295429	0.760895	0.0712701	8.21712
0.957615	0.283234	0.87121	0.309238	0.806209	0.0735183	8.83745
0.98755	0.299085	0.891144	0.310166	0.832373	0.072362	9.19713
0.996762	0.298111	0.891669	0.310804	0.831719	0.074484	9.27493
0.985044	0.289662	0.874711	0.307372	0.812981	0.0703834	9.07119
0.958074	0.279757	0.838683	0.296215	0.778119	0.0643628	8.71355
0.913959	0.264259	0.799337	0.28467	0.726501	0.0595233	8.22988
0.863529	0.248888	0.771613	0.277635	0.675143	0.053512	7.68159
0.824016	0.238193	0.750396	0.271294	0.624499	0.0427745	7.19325
0.79843	0.227209	0.737163	0.267383	0.590004	0.0377481	6.79893
0.791459	0.224583	0.73412	0.262622	0.567045	0.0403301	6.58103
0.802884	0.22864	0.754314	0.273936	0.553876	0.036669	6.53038
0.825578	0.232661	0.788877	0.300048	0.560058	0.0368268	6.61117
0.857763	0.240478	0.827902	0.32288	0.575952	0.0448562	6.84031
0.894948	0.25049	0.866698	0.331081	0.589046	0.0438771	7.06688
0.925455	0.261797	0.885186	0.335698	0.600049	0.0436904	7.22244
0.9419	0.265494	0.899677	0.344373	0.604876	0.0423049	7.29915
0.945092	0.267158	0.901004	0.343095	0.601477	0.0414725	7.23966
0.928815	0.265625	0.872978	0.32832	0.585795	0.0406707	7.03121

0.896101	0.257663	0.831844	0.307529	0.557308	0.0401937	6.65747
0.854469	0.245539	0.79433	0.292759	0.526256	0.0372796	6.21576
0.800523	0.228658	0.754504	0.277459	0.496722	0.0299141	5.70833
0.740724	0.206615	0.705575	0.252949	0.460272	0.0286796	5.15287
0.691924	0.190264	0.661811	0.231549	0.424372	0.03007	4.65589
0.650961	0.181141	0.622078	0.217124	0.398554	0.0286348	4.20989
0.611639	0.171948	0.584813	0.204106	0.373926	0.027642	3.79727
0.580134	0.161482	0.557383	0.191471	0.349281	0.0215223	3.47118
0.558101	0.158715	0.53922	0.1804	0.330443	0.0205738	3.20802
0.539122	0.154422	0.520488	0.173819	0.314624	0.0204336	2.97128
0.525704	0.15302	0.506717	0.171121	0.302833	0.0194453	2.78465
0.51423	0.150707	0.497199	0.165102	0.289576	0.0214027	2.63199
0.499805	0.146984	0.48068	0.159596	0.276509	0.020021	2.50839
0.485448	0.145644	0.470257	0.158623	0.264286	0.0187317	2.40091
0.468684	0.143604	0.455598	0.15358	0.252195	0.016548	2.31534
0.456246	0.145323	0.435287	0.15252	0.242166	0.0146855	2.23076
0.440509	0.136602	0.425411	0.151627	0.231557	0.0163674	2.1613
0.423929	0.131254	0.416105	0.144146	0.218503	0.0148076	2.1087
0.409651	0.131745	0.401517	0.141564	0.210852	0.015712	2.04696
0.397179	0.12779	0.389835	0.140898	0.20743	0.0138333	1.98956
0.387311	0.129363	0.384254	0.141786	0.200883	0.0139005	1.95899
0.378214	0.128334	0.381385	0.146725	0.193327	0.011364	1.93358
0.372849	0.126622	0.379529	0.148268	0.191337	0.0114634	1.92274
0.366381	0.124237	0.381737	0.144595	0.193668	0.0119929	1.9095
0.367195	0.123314	0.385409	0.149215	0.196442	0.0108395	1.90467
0.370775	0.12364	0.388345	0.146214	0.201656	0.0135851	1.91316
0.375848	0.129573	0.388824	0.146106	0.207841	0.0145945	1.92712
0.383307	0.133534	0.395524	0.152166	0.213895	0.0130022	1.91507
0.390748	0.131999	0.406339	0.156672	0.227105	0.0142201	1.9441
0.403299	0.135149	0.41645	0.159797	0.247886	0.0171306	1.97362
0.422696	0.143067	0.43672	0.167502	0.281109	0.0179059	2.0227
0.450195	0.151553	0.472575	0.184915	0.329265	0.0222421	2.0947
0.49052	0.158741	0.518163	0.205931	0.396884	0.0304104	2.1926
0.552139	0.176036	0.588332	0.240898	0.506759	0.0374853	2.35718
0.640934	0.204763	0.680065	0.282539	0.667198	0.0469872	2.5971
0.763619	0.243334	0.798719	0.342557	0.883594	0.0654907	2.94332
0.924988	0.297715	0.95129	0.424463	1.17341	0.0785575	3.39756
1.13679	0.362175	1.15995	0.523642	1.53697	0.103085	3.94453
1.39566	0.446126	1.41575	0.647692	1.97639	0.146032	4.61785
1.69158	0.543041	1.68099	0.786597	2.47683	0.195348	5.41398
2.00852	0.654902	1.97759	0.934614	3.01369	0.238984	6.23053
2.32835	0.770898	2.27474	1.0754	3.54086	0.274383	7.02476
2.63742	0.872527	2.52657	1.1987	4.01424	0.30405	7.78565
2.88107	0.953138	2.69282	1.29943	4.38106	0.32427	8.37833
3.05486	1.00882	2.81864	1.37	4.62469	0.346757	8.76324
3.13747	1.04176	2.85067	1.38107	4.72411	0.346413	8.9004
3.12482	1.04399	2.78947	1.35222	4.64264	0.345403	8.80119

2.99993	0.996599	2.64829	1.285	4.39459	0.331619	8.41864
2.79284	0.92674	2.44289	1.17609	4.01472	0.305917	7.85982
2.52044	0.840686	2.18433	1.04041	3.55078	0.277739	7.14655
2.20614	0.735803	1.90165	0.909514	3.02688	0.22792	6.33781
1.8852	0.620922	1.61043	0.762178	2.48763	0.183544	5.51245
1.57673	0.516727	1.3502	0.623193	1.98078	0.141132	4.72954
1.30275	0.424726	1.13464	0.517167	1.54734	0.106248	4.03254
1.07298	0.349849	0.95197	0.429403	1.18417	0.0846665	3.44904
0.890764	0.289402	0.805519	0.353893	0.890539	0.0580483	2.98488
0.756088	0.241295	0.706255	0.302115	0.665786	0.0427609	2.62152
0.663859	0.211459	0.646119	0.261338	0.508722	0.0344843	2.36989
0.611149	0.195879	0.620026	0.2482	0.411423	0.0246101	2.21111
0.58214	0.186062	0.609941	0.249825	0.353137	0.019643	2.10387
0.583848	0.190078	0.623811	0.254461	0.323474	0.0204366	2.04502
0.613044	0.202225	0.664488	0.271784	0.321013	0.0207822	2.03927
0.662612	0.217418	0.730034	0.296375	0.340413	0.0201965	2.06438
0.742486	0.240399	0.828442	0.328501	0.379745	0.0229455	2.11901
0.855916	0.270246	0.978705	0.391818	0.433591	0.0278689	2.20537
1.02479	0.318885	1.1936	0.477481	0.510566	0.0341381	2.28692
1.28325	0.396967	1.51542	0.604967	0.617378	0.0435289	2.39367
1.66037	0.515563	2.01323	0.822775	0.759494	0.0553272	2.55696
2.22578	0.69241	2.75674	1.12624	0.933832	0.0647383	2.76393
3.08262	0.962003	3.87345	1.56708	1.16927	0.0713231	3.01826
4.34763	1.34644	5.48925	2.22595	1.49542	0.091603	3.32548
6.14942	1.91107	7.77966	3.15677	1.91424	0.123485	3.6874
8.65161	2.69878	10.9424	4.4446	2.45534	0.15895	4.1563
12.0309	3.75266	15.1334	6.15421	3.13465	0.202013	4.74669
16.4352	5.14042	20.4153	8.31057	4.00558	0.267314	5.46666
21.8645	6.8651	26.7938	10.9232	5.05605	0.354042	6.33902
28.2951	8.92127	34.1742	13.9735	6.27023	0.436557	7.33242
35.5082	11.2121	42.182	17.2683	7.60805	0.53029	8.36714
43.1398	13.6467	50.3936	20.674	8.98722	0.647369	9.44524
50.7233	16.0645	58.2255	23.9004	10.3188	0.753848	10.5374
57.6377	18.2401	64.94	26.68	11.5096	0.82849	11.5265
63.2683	20.0769	70.0198	28.7817	12.4145	0.881681	12.2611
67.035	21.3143	72.878	29.9643	12.951	0.926282	12.7053
68.5714	21.8003	73.1562	30.1799	13.0726	0.923292	12.796
67.7008	21.5563	70.8242	29.2608	12.7629	0.889428	12.491
64.4782	20.5806	66.1622	27.354	12.0228	0.837275	11.8958
59.2883	18.9255	59.7257	24.791	10.9309	0.75365	10.9824
52.619	16.785	51.9951	21.645	9.61012	0.679382	9.84788
45.0643	14.4082	43.6741	18.1927	8.15136	0.588674	8.58715
37.2484	11.9419	35.4532	14.8295	6.69027	0.478474	7.39325
29.7353	9.53724	27.8149	11.6563	5.30643	0.390249	6.3114
22.9734	7.38673	21.1262	8.83956	4.07131	0.316362	5.25825
17.1597	5.54772	15.4913	6.48717	3.04163	0.224359	4.3699
12.408	4.01896	11.0078	4.59522	2.21145	0.152987	3.67314

8.73362	2.82712	7.64904	3.19861	1.56974	0.105512	3.15665
6.00113	1.95392	5.19477	2.17265	1.10361	0.0711724	2.77657
4.05601	1.33511	3.49904	1.46057	0.786174	0.0516535	2.50174
2.74265	0.89866	2.39628	0.989606	0.568602	0.0361629	2.3171
1.90699	0.61873	1.70905	0.689266	0.429239	0.0292557	2.21368
1.41458	0.461495	1.33102	0.541336	0.355055	0.0266109	2.16107
1.16721	0.383117	1.17372	0.473446	0.322755	0.0253118	2.1421
1.09628	0.363022	1.18866	0.466129	0.319099	0.0196485	2.14668
1.1618	0.385689	1.34221	0.515734	0.343115	0.0199806	2.14391
1.34931	0.434085	1.61642	0.621539	0.389441	0.0240918	2.1861
1.65477	0.525491	2.02064	0.775616	0.453042	0.0315252	2.26176
2.08567	0.663704	2.56754	0.997697	0.544783	0.0374096	2.3543
2.64857	0.838763	3.258	1.27887	0.670624	0.0447566	2.47575
3.34138	1.05183	4.09496	1.59059	0.822397	0.0544719	2.60957
4.16462	1.31003	5.07442	1.96982	0.994912	0.0704468	2.75601
5.09551	1.61109	6.14645	2.3853	1.18411	0.0822348	2.93166
6.07656	1.91256	7.22699	2.81386	1.37734	0.0798762	3.09912
7.0695	2.235	8.2801	3.25528	1.57448	0.0962844	3.24567
8.00922	2.54796	9.22545	3.62095	1.7567	0.117444	3.40128
8.78781	2.79048	9.94813	3.89783	1.89461	0.115539	3.51214
9.35657	2.96643	10.4021	4.0892	1.99933	0.13196	3.57858
9.66426	3.06547	10.5151	4.13564	2.05438	0.144878	3.64308
9.65862	3.06268	10.3162	4.05995	2.02918	0.136225	3.64275
9.35525	2.97216	9.81264	3.87932	1.94405	0.128979	3.56854
8.76222	2.78988	9.00626	3.57199	1.8119	0.116335	3.46459
7.9414	2.5297	8.01591	3.17443	1.64057	0.105987	3.32815
6.984	2.24655	6.92155	2.74412	1.4437	0.0960417	3.1798
5.93452	1.91495	5.77495	2.31308	1.2423	0.08165	3.00898
4.88764	1.57689	4.66078	1.86153	1.04082	0.066141	2.83254
3.90986	1.26575	3.65764	1.4562	0.847344	0.0537372	2.6894
3.04431	0.99068	2.79242	1.10629	0.681468	0.0467017	2.56724
2.30389	0.748646	2.0704	0.811067	0.549258	0.0356838	2.43993
1.69667	0.550576	1.51129	0.591619	0.433533	0.0274243	2.36779
1.2301	0.400448	1.09174	0.431047	0.34861	0.0240066	2.31411
0.881441	0.291692	0.782046	0.303877	0.286755	0.0182613	2.23318
0.635818	0.210948	0.567075	0.217378	0.239693	0.0136457	2.22069
0.463413	0.156627	0.414133	0.160986	0.208033	0.0128152	2.22457
0.34683	0.124578	0.31655	0.127162	0.188046	0.01153	2.17331
0.273763	0.105551	0.25107	0.101317	0.175112	0.0111809	2.15809
0.230708	0.0996417	0.213116	0.0888635	0.167986	0.00962738	2.17727
0.200658	0.0877232	0.194014	0.0809568	0.163532	0.0117392	2.17757
0.183091	0.0830077	0.178248	0.0715275	0.161385	0.0115909	2.18562
0.174549	0.0790721	0.172702	0.0721986	0.162679	0.00980729	2.19674
0.169548	0.0795156	0.169672	0.0747933	0.161311	0.0105517	2.21503
0.168105	0.082991	0.169838	0.077344	0.162557	0.0118261	2.21892
0.16788	0.0816286	0.169564	0.0793709	0.165594	0.0122762	2.23852
0.167521	0.080238	0.169467	0.0757913	0.169452	0.0121086	2.26687

0.169988	0.0814222	0.171192	0.0758179	0.170698	0.0118805	2.26679
0.171894	0.0827488	0.173165	0.0787328	0.170996	0.012848	2.25903
0.172134	0.0803376	0.174622	0.0787779	0.175085	0.0111951	2.28109
0.174402	0.0858209	0.177833	0.0828147	0.182862	0.0130785	2.30106
0.178086	0.0889257	0.181045	0.0860011	0.190733	0.0136419	2.33797
0.183027	0.0877	0.183237	0.0858833	0.200782	0.0106478	2.35288
0.187916	0.0895258	0.192121	0.0890881	0.214852	0.012575	2.40133
0.19342	0.0912335	0.204621	0.0962997	0.23578	0.01354	2.43386
0.205159	0.0962232	0.218496	0.109232	0.268041	0.0146619	2.48122
0.223174	0.10638	0.239814	0.126027	0.31176	0.0164656	2.57761
0.245069	0.114573	0.265511	0.14716	0.37361	0.0213875	2.71033
0.274228	0.125345	0.302629	0.194088	0.454766	0.0301856	2.87886
0.312301	0.136034	0.355038	0.26178	0.566086	0.0386928	3.09635
0.359618	0.148843	0.418635	0.334223	0.711747	0.0440866	3.39576
0.422197	0.167823	0.500131	0.432688	0.896421	0.0581731	3.70501
0.500231	0.203418	0.595537	0.559972	1.11604	0.0714759	4.0963
0.589236	0.237886	0.705957	0.701926	1.36784	0.0907241	4.59449
0.686487	0.27628	0.827499	0.864483	1.64794	0.103825	5.11626
0.79149	0.322369	0.949433	1.03914	1.94565	0.120789	5.6217
0.899258	0.367648	1.07187	1.21251	2.23843	0.14007	6.17742
0.99636	0.408352	1.18844	1.37194	2.51026	0.164536	6.6782
1.09009	0.456524	1.28457	1.51914	2.74586	0.171833	7.08747
1.16342	0.486208	1.34406	1.62555	2.91906	0.185284	7.40739
1.20262	0.499002	1.37192	1.66773	3.00133	0.19812	7.59811
1.21915	0.510764	1.3705	1.69441	3.01794	0.201733	7.64285
1.20426	0.510788	1.32953	1.64848	2.9541	0.185573	7.58298
1.15737	0.492658	1.25985	1.54246	2.79845	0.176453	7.3602
1.09016	0.457953	1.17047	1.42166	2.57875	0.163032	6.97784
1.00065	0.420151	1.04754	1.26036	2.29696	0.137901	6.57841
0.895448	0.383226	0.929903	1.09324	2.00321	0.13354	6.11763
0.791645	0.336693	0.806283	0.905831	1.70694	0.112303	5.62412
0.684227	0.285367	0.691258	0.732615	1.41277	0.0849779	5.09845
0.595236	0.254178	0.58615	0.587295	1.15989	0.071677	4.67631
0.510952	0.218871	0.494717	0.462323	0.939926	0.058404	4.31514
0.441644	0.194969	0.415741	0.335834	0.748609	0.0494313	4.04222
0.382616	0.160148	0.359954	0.24821	0.59913	0.0441819	3.86587
0.340402	0.145861	0.316739	0.200006	0.493103	0.036404	3.63708
0.304897	0.136958	0.290419	0.163824	0.409486	0.0291076	3.57888
0.281496	0.131042	0.274148	0.136459	0.349712	0.0242671	3.55219
0.26749	0.124599	0.250626	0.120827	0.31363	0.0208224	3.50128
0.252309	0.122608	0.245018	0.111573	0.289759	0.0239937	3.4261
0.244981	0.110424	0.240974	0.11498	0.272726	0.0257093	3.38189
0.237858	0.105731	0.24318	0.10871	0.263474	0.0218123	3.38224
0.235971	0.104499	0.246535	0.105663	0.263743	0.0208935	3.35695
0.235037	0.106046	0.243467	0.106908	0.265142	0.0172754	3.32365
0.234865	0.107126	0.244987	0.110067	0.272151	0.0169821	3.34296
0.238367	0.11036	0.246808	0.108375	0.27929	0.0149712	3.34193



0.240259	0.104818	0.247076	0.105152	0.291366	0.0244187	3.30676
0.248954	0.110105	0.252998	0.106551	0.307845	0.022544	3.34272
0.25617	0.112281	0.261795	0.118868	0.329025	0.0222564	3.35771
0.262403	0.108013	0.269398	0.121473	0.354547	0.028397	3.36441
0.272997	0.112244	0.28064	0.128357	0.379885	0.0267315	3.40052
0.282011	0.111523	0.296098	0.135897	0.41207	0.0326978	3.44747
0.297815	0.117531	0.308611	0.134725	0.442399	0.0334053	3.48123
0.311346	0.124142	0.323759	0.149728	0.475895	0.0366609	3.56186
0.323219	0.122719	0.337564	0.157505	0.51244	0.0377843	3.60963
0.339495	0.127568	0.351092	0.167931	0.546646	0.0410919	3.6571
0.352798	0.130634	0.362274	0.179165	0.586065	0.0467371	3.75075
0.36698	0.132827	0.38375	0.20165	0.627239	0.0489208	3.79071
0.385423	0.139711	0.407054	0.225756	0.661063	0.0498674	3.89221
0.402452	0.150204	0.426387	0.244071	0.707026	0.041594	3.95707
0.423218	0.166105	0.446211	0.268689	0.751786	0.042591	4.03181
0.438586	0.167121	0.460228	0.285813	0.796918	0.0475565	4.12815
0.452841	0.169441	0.475708	0.304434	0.829703	0.0479264	4.19409
0.469675	0.17697	0.494587	0.331554	0.868429	0.0487716	4.2507
0.484564	0.186783	0.504033	0.346603	0.89328	0.0497712	4.28171
0.489914	0.198035	0.512556	0.356103	0.890999	0.0503062	4.29754
0.492921	0.199019	0.509767	0.354734	0.88971	0.0519601	4.26117
0.488641	0.196208	0.497335	0.349415	0.864481	0.0516863	4.2419
0.478854	0.192654	0.490542	0.352077	0.831193	0.0492199	4.20328
0.46763	0.187017	0.478263	0.340979	0.782683	0.0475892	4.09476
0.454034	0.18512	0.461823	0.338194	0.728379	0.0410541	3.98443
0.435789	0.184334	0.437558	0.318276	0.667684	0.0294894	3.88418
0.412561	0.181118	0.408823	0.301095	0.602421	0.0367164	3.7435
0.390738	0.172612	0.389161	0.292023	0.54394	0.0307304	3.66942
0.370197	0.175112	0.370002	0.285531	0.490371	0.0291405	3.57853
0.35761	0.171075	0.352907	0.265869	0.44622	0.0227159	3.44511
0.340876	0.163786	0.343501	0.26225	0.40526	0.019155	3.37574
0.330036	0.165791	0.334522	0.257518	0.37417	0.0216121	3.3222
0.32337	0.165859	0.327766	0.253398	0.349518	0.0197755	3.27709
0.317323	0.158483	0.320727	0.249955	0.332081	0.0165487	3.28408
0.311838	0.154534	0.31339	0.237044	0.321084	0.0172092	3.26918
0.310278	0.163332	0.312009	0.239898	0.316791	0.0212081	3.27252
0.310719	0.169674	0.314326	0.231058	0.314331	0.0206615	3.24132
0.310593	0.157702	0.314794	0.216943	0.312989	0.0197039	3.31764
0.311897	0.158354	0.317321	0.215891	0.31506	0.0196044	3.35709
0.313252	0.15895	0.318855	0.215501	0.323614	0.0197624	3.33443
0.311751	0.156982	0.319025	0.208902	0.328031	0.0181358	3.42681
0.314062	0.151469	0.317346	0.194354	0.33339	0.0191147	3.44265
0.313962	0.160242	0.320002	0.190173	0.335332	0.025755	3.4585
0.314859	0.160504	0.321852	0.196601	0.346897	0.0249856	3.47428
0.315677	0.161447	0.324388	0.192799	0.344496	0.0219798	3.52318
0.318424	0.162637	0.316945	0.178781	0.345533	0.0212615	3.55758
0.316296	0.154239	0.317279	0.168387	0.345567	0.023398	3.59928

0.315275	0.160641	0.311428	0.169444	0.345719	0.0236214	3.62263
0.31471	0.164486	0.321141	0.168793	0.350052	0.0236602	3.65921
0.313589	0.171508	0.317219	0.157605	0.349658	0.0224828	3.66147
0.312953	0.164269	0.317117	0.155625	0.354829	0.0249996	3.71966
0.316308	0.165044	0.321917	0.153044	0.355674	0.0279649	3.75717
0.316683	0.171077	0.321856	0.154492	0.355803	0.02133	3.84095
0.321109	0.177026	0.329338	0.153386	0.361652	0.0249951	3.8931
0.331188	0.180926	0.341486	0.154579	0.379238	0.0280349	3.976
0.339271	0.185747	0.352842	0.157412	0.398063	0.0284992	4.13856
0.353188	0.18455	0.380094	0.163256	0.420075	0.0325171	4.35679
0.374775	0.207382	0.399441	0.174356	0.445194	0.0359809	4.51281
0.395885	0.219785	0.437673	0.187232	0.483076	0.0374168	4.78107
0.422202	0.228932	0.471153	0.213697	0.522551	0.0352422	5.04717
0.455203	0.240125	0.514686	0.240125	0.572424	0.044832	5.41671
0.493027	0.268256	0.559292	0.269614	0.626839	0.045095	5.72629
0.530514	0.290128	0.608603	0.300128	0.674825	0.0532268	6.06146
0.565788	0.305472	0.651811	0.330972	0.732995	0.0532861	6.39242
0.606419	0.33823	0.693177	0.3459	0.780308	0.0621752	6.75486
0.633408	0.350188	0.723231	0.36429	0.828316	0.0593006	6.97735
0.664638	0.370007	0.746434	0.374711	0.857213	0.0678454	7.15261
0.680792	0.383744	0.75398	0.387098	0.869193	0.0684601	7.25188
0.686313	0.37746	0.754823	0.386219	0.88014	0.0647953	7.27763
0.680583	0.376627	0.735609	0.369397	0.866388	0.0574937	7.24742
0.667306	0.361316	0.706607	0.351078	0.837922	0.0627825	7.09914
0.644228	0.342424	0.680182	0.331935	0.803116	0.0587948	6.87438
0.616697	0.317117	0.647225	0.298023	0.748522	0.0515251	6.58341
0.587826	0.290006	0.600032	0.267951	0.706264	0.0515851	6.24071
0.556498	0.267116	0.548747	0.24216	0.654641	0.044061	6.00921
0.51934	0.242098	0.525417	0.220791	0.610766	0.03857	5.71482
0.493742	0.22507	0.482829	0.192299	0.562102	0.0318643	5.39292
0.466809	0.210089	0.449678	0.180971	0.53023	0.036165	5.15741
0.444819	0.192156	0.427808	0.175341	0.492702	0.0308751	4.9542
0.422705	0.187368	0.408881	0.160208	0.464742	0.031061	4.78852
0.408877	0.179234	0.394551	0.159007	0.441589	0.0246756	4.65071
0.398611	0.173005	0.378389	0.15381	0.429736	0.0269686	4.56206
0.388123	0.174433	0.370679	0.153299	0.415957	0.0247664	4.46882
0.386261	0.185084	0.364527	0.148449	0.41271	0.0240632	4.44359
0.380541	0.175437	0.35406	0.139173	0.394001	0.0265526	4.41204
0.377432	0.179979	0.350381	0.137091	0.393207	0.0219366	4.3556
0.378662	0.185499	0.358948	0.149811	0.39696	0.0213097	4.34829
0.382698	0.189869	0.353149	0.147498	0.390084	0.0309783	4.26756
0.380824	0.190971	0.35065	0.149049	0.390534	0.0227882	4.26594
0.381824	0.194826	0.347938	0.14198	0.393936	0.0189791	4.27883
0.385142	0.194993	0.353269	0.146322	0.39138	0.025652	4.273
0.386538	0.209223	0.354931	0.144917	0.391771	0.0231682	4.26684
0.384802	0.201336	0.357318	0.147613	0.391167	0.0206284	4.26931
0.391977	0.213269	0.353341	0.141449	0.390935	0.0279325	4.26516

0.392604	0.21617	0.359126	0.145813	0.393426	0.0226633	4.29264
0.401588	0.216555	0.365582	0.155306	0.399975	0.0257843	4.35138
0.402911	0.216038	0.374822	0.150157	0.403243	0.0234961	4.37902
0.413748	0.239938	0.381162	0.160368	0.408233	0.0278467	4.42605
0.420185	0.230683	0.392274	0.156559	0.418365	0.0266725	4.52613
0.431619	0.232926	0.400222	0.160519	0.432384	0.0263109	4.60651
0.446889	0.252634	0.4137	0.155322	0.447941	0.0285337	4.81191
0.461943	0.246391	0.44535	0.186208	0.465081	0.0235906	4.98527
0.48369	0.2733	0.459381	0.178791	0.49756	0.0340678	5.26262
0.517501	0.293942	0.499573	0.207009	0.527918	0.0307861	5.65283
0.555779	0.329688	0.548352	0.217352	0.572157	0.0383831	6.01328
0.599919	0.364939	0.595772	0.243493	0.618863	0.0509835	6.61848
0.650221	0.39285	0.654659	0.270917	0.682692	0.0615216	7.21887
0.713699	0.440398	0.7282	0.302188	0.75715	0.0636241	7.97149
0.795368	0.485834	0.814155	0.337937	0.835002	0.0752566	8.76868
0.88661	0.577793	0.902858	0.391005	0.923046	0.0914935	9.67787
0.963891	0.623976	0.994102	0.420639	1.01304	0.0936975	10.6656
1.05298	0.685039	1.07445	0.459839	1.11107	0.114447	11.591
1.14172	0.790428	1.15046	0.486367	1.18647	0.126837	12.4324
1.22215	0.861892	1.21077	0.524454	1.26704	0.139877	13.2361
1.28493	0.88249	1.28295	0.558781	1.33183	0.148101	13.8814
1.32911	0.917458	1.30148	0.558322	1.36922	0.151423	14.3497
1.34938	0.91895	1.31823	0.56966	1.37763	0.155605	14.611
1.3628	0.935055	1.28378	0.539327	1.37145	0.150202	14.4928
1.34646	0.9286	1.27153	0.539763	1.34302	0.147381	14.2743
1.3171	0.914768	1.22619	0.51928	1.29643	0.134954	13.8714
1.25255	0.847242	1.15901	0.506089	1.22615	0.127967	13.2905
1.19001	0.799235	1.08741	0.468389	1.15124	0.114821	12.746
1.12063	0.757776	1.01224	0.43391	1.05672	0.097336	11.9609
1.04185	0.683442	0.94856	0.407582	0.98826	0.0975887	11.2457
0.964493	0.637999	0.875779	0.365666	0.90813	0.0678399	10.5519
0.89017	0.587768	0.819963	0.357007	0.835077	0.058176	9.91715
0.832095	0.537958	0.764113	0.311116	0.767797	0.0587927	9.50348
0.776452	0.50369	0.734694	0.320834	0.719934	0.0510806	9.09349
0.738141	0.460837	0.686322	0.289804	0.681436	0.0511618	8.81822
0.698272	0.451595	0.668567	0.286091	0.647365	0.0410718	8.61173
0.679734	0.435315	0.648767	0.286943	0.619381	0.0313908	8.67573
0.663615	0.418638	0.640278	0.280754	0.607864	0.0389783	8.7262
0.652589	0.390355	0.642906	0.290999	0.601284	0.031957	8.85314
0.648659	0.395084	0.636522	0.280235	0.59892	0.0432301	8.95609
0.648111	0.3911	0.646084	0.294025	0.598874	0.0381895	9.33001
0.647902	0.381913	0.65544	0.309892	0.617907	0.0446498	9.65088
0.65728	0.390233	0.671291	0.31542	0.621808	0.0392404	9.99678
0.671784	0.384913	0.690016	0.329579	0.629226	0.0400584	10.4347
0.686804	0.389517	0.708301	0.33833	0.656287	0.0424043	10.9676
0.701301	0.398407	0.732611	0.354816	0.674192	0.0461824	11.5251
0.729193	0.430738	0.767835	0.379215	0.70532	0.0522659	12.2797

0.757559	0.439579	0.807115	0.400727	0.743744	0.0500931	13.1265
0.802489	0.474499	0.860383	0.436877	0.782653	0.0550128	14.3142
0.859626	0.523175	0.945155	0.497787	0.845549	0.0537513	15.9475
0.938113	0.58956	1.064	0.577313	0.932381	0.0685313	18.1253
1.05005	0.67645	1.2361	0.694522	1.0681	0.0787304	21.594
1.23421	0.822086	1.4809	0.837463	1.25639	0.0882433	26.5893
1.47942	1.00538	1.88081	1.09562	1.54329	0.113704	33.982
1.86401	1.29756	2.45248	1.49893	1.96464	0.129893	44.8513
2.43797	1.76073	3.28351	2.02708	2.58857	0.187473	60.8162
3.2704	2.3789	4.46787	2.81763	3.47236	0.233557	83.7091
4.4564	3.32901	6.08874	3.8666	4.714	0.314095	115.53
6.06848	4.58979	8.30852	5.33036	6.39116	0.452	159.485
8.24099	6.25173	11.198	7.16914	8.67245	0.604677	217.491
11.1307	8.51304	14.9134	9.63513	11.619	0.818885	291.832
14.8034	11.4122	19.5287	12.6294	15.2631	1.04547	386.63
19.3411	14.9342	25.0942	16.229	19.7363	1.39397	500.823
24.7502	19.1835	31.5532	20.4737	24.9782	1.74931	635.35
31.0366	24.0457	38.8303	25.3203	31.0223	2.2071	788.032
38.0003	29.5226	46.5039	30.251	37.4553	2.62381	954.263
45.5419	35.6312	54.4471	35.4681	44.3957	3.15239	1128.13
53.2702	41.7139	62.3304	40.5179	51.2113	3.59605	1304.18
60.6966	47.4528	69.446	45.2448	57.6616	4.04778	1467.9
67.6057	52.9674	75.5149	48.9825	63.4149	4.5032	1613.48
73.2673	57.4763	80.0848	52.115	67.8632	4.80237	1726.77
77.5559	60.913	82.8787	54.0522	71.0353	5.14113	1806.12
80.0751	63.0531	83.509	54.4057	72.3199	5.08934	1839.23
80.555	63.4126	82.1536	53.4507	71.8206	5.13461	1827.86
79.0952	62.4699	78.7382	51.316	69.6078	4.89791	1771.84
75.6981	59.781	73.6831	47.9922	65.7734	4.65259	1673.66
70.6429	55.9479	67.0878	43.7705	60.6819	4.2615	1543.41
64.2524	50.9157	59.7524	38.8979	54.4858	3.82542	1387.29
57.0271	45.173	51.78	33.5889	47.754	3.38237	1215.92
49.3611	39.1963	43.8766	28.4466	40.8022	2.97603	1039.97
41.7251	33.2639	36.1749	23.5578	34.0506	2.37639	868.368
34.3891	27.3711	29.0978	18.8918	27.7359	1.99148	706.721
27.6833	22.1416	22.9526	14.8644	22.1033	1.61426	562.352
21.7749	17.3608	17.6548	11.4375	17.1603	1.23426	436.835
16.7491	13.327	13.3174	8.59378	13.0718	0.907897	331.916
12.6177	9.99465	9.85315	6.30104	9.74091	0.6897	247.052
9.30655	7.29275	7.15185	4.54584	7.13622	0.501568	179.822
6.79284	5.34542	5.14876	3.19753	5.18712	0.353035	128.947
4.892	3.80318	3.67944	2.24968	3.69742	0.255662	91.16
3.49335	2.6663	2.63366	1.59079	2.64536	0.192723	63.8324
2.5091	1.86738	1.90874	1.09133	1.9161	0.142505	44.6391
1.83294	1.31926	1.41439	0.760179	1.41507	0.0945908	31.4279
1.36549	0.925359	1.10902	0.581204	1.09306	0.0697589	22.5637
1.07621	0.677773	0.899481	0.435672	0.865589	0.0506758	16.8046

0.878841	0.5082	0.762014	0.345078	0.733573	0.0459525	13.0441
0.767686	0.444395	0.690678	0.297054	0.646375	0.0438198	10.6655
0.683956	0.35747	0.64285	0.271698	0.593725	0.0352859	9.11927
0.643586	0.318156	0.603266	0.245015	0.559156	0.033398	8.21384
0.620308	0.309949	0.599583	0.238052	0.541745	0.0304902	7.5785
0.609664	0.292473	0.598366	0.233071	0.538124	0.0350722	7.20473
0.600326	0.272621	0.592209	0.23034	0.533723	0.030353	6.91542
0.599244	0.278472	0.589347	0.226832	0.525171	0.0291192	6.79009
0.602319	0.275621	0.59533	0.233519	0.53573	0.0360621	6.69508
0.602591	0.271675	0.596114	0.234921	0.538841	0.0347248	6.72511
0.606686	0.273269	0.60782	0.231734	0.545387	0.0258346	6.74992
0.609439	0.271488	0.613884	0.229863	0.547117	0.0336726	6.74647
0.617412	0.27538	0.619817	0.236401	0.554814	0.0319455	6.84831
0.626037	0.291395	0.623023	0.235929	0.557007	0.0315981	6.93522
0.636082	0.296274	0.647718	0.254377	0.577087	0.031506	7.09056
0.647104	0.287591	0.662121	0.258567	0.585407	0.0300946	7.25994
0.661483	0.31624	0.673271	0.258747	0.6	0.0432121	7.53899
0.678038	0.314477	0.703584	0.290286	0.611641	0.0293485	7.82217
0.699737	0.342799	0.708888	0.281203	0.643842	0.0385499	8.19344
0.723182	0.35158	0.739595	0.301332	0.660965	0.0344486	8.64727
0.746362	0.371501	0.759335	0.308835	0.691799	0.0388221	9.07916
0.776847	0.382889	0.807327	0.340427	0.7235	0.0313108	9.77474
0.817437	0.417727	0.863309	0.378356	0.771054	0.0427931	10.6034
0.867649	0.448879	0.935946	0.415973	0.828402	0.0450555	11.7747
0.931253	0.501845	1.0259	0.477447	0.904183	0.061527	13.2654
1.01982	0.577655	1.15593	0.561399	0.997876	0.059365	15.208
1.12967	0.648758	1.30126	0.644763	1.09916	0.0665797	17.9848
1.27699	0.784801	1.49538	0.780185	1.27449	0.0666354	21.5895
1.48187	0.953026	1.78043	0.971858	1.4719	0.0896469	26.2593
1.73934	1.16616	2.12293	1.19102	1.75276	0.109787	32.6515
2.08808	1.45708	2.57125	1.50111	2.09607	0.126755	40.6804
2.50941	1.79365	3.14158	1.86912	2.52907	0.157004	50.8736
3.05277	2.24562	3.81097	2.29614	3.05818	0.202038	63.4304
3.70552	2.8019	4.62439	2.8827	3.67139	0.236072	78.7432
4.47133	3.47472	5.55253	3.4974	4.44856	0.268326	96.3723
5.37856	4.23152	6.59737	4.22566	5.24779	0.342678	116.146
6.37888	5.08699	7.68635	4.96902	6.1887	0.396635	138.592
7.445	6.01555	8.84942	5.67848	7.15376	0.471163	161.535
8.54736	6.94541	10.0693	6.56095	8.11683	0.565127	184.928
9.683	7.91838	11.119	7.31325	9.07257	0.623092	207.521
10.7205	8.85495	12.077	7.87311	9.93753	0.65782	227.669
11.6358	9.61458	12.8242	8.42015	10.6781	0.719834	244.904
12.3754	10.2547	13.3564	8.82747	11.1687	0.759952	257.307
12.8711	10.7366	13.5631	8.97929	11.5207	0.770559	264.628
13.0963	10.9111	13.5184	8.88322	11.5797	0.799311	266.199
13.0289	10.8987	13.165	8.68496	11.3738	0.734388	261.42
12.7093	10.6197	12.5338	8.18672	10.9215	0.731507	251.189

12.0965	10.0215	11.6903	7.70131	10.3063	0.699595	236.014
11.2649	9.34914	10.6708	7.03879	9.4857	0.629963	216.574
10.2699	8.43362	9.50327	6.22659	8.5342	0.546712	194.366
9.18706	7.56656	8.32558	5.38793	7.52879	0.477244	170.507
8.01935	6.59182	7.10035	4.59966	6.51319	0.409042	146.092
6.86336	5.5997	5.97529	3.83106	5.52892	0.358424	122.518
5.79503	4.68184	4.91113	3.09264	4.58497	0.272311	100.704
4.75788	3.75465	3.9954	2.52666	3.75286	0.245235	80.7752
3.87099	3.00234	3.18145	1.93281	3.00982	0.202301	63.5225
3.09608	2.36819	2.52915	1.48653	2.3963	0.152914	48.8703
2.44181	1.79892	1.99341	1.12943	1.89644	0.12256	37.103
1.92546	1.35601	1.55696	0.85982	1.48221	0.0885858	27.4214
1.51696	0.981349	1.24315	0.653621	1.17546	0.0735234	20.0897
1.20261	0.741741	1.002	0.473882	0.931464	0.0536377	14.4503
0.971024	0.548713	0.827871	0.376175	0.762029	0.0417242	10.2713
0.799771	0.393679	0.715281	0.307863	0.635252	0.0400324	7.34005
0.681305	0.297584	0.629414	0.24693	0.545645	0.0341183	5.28206
0.596127	0.238528	0.568495	0.20306	0.485222	0.025143	3.80293
0.541953	0.201672	0.535077	0.204513	0.443073	0.0277336	2.81
0.50938	0.179208	0.518577	0.18074	0.420569	0.0203859	2.1554
0.491504	0.157837	0.518244	0.186381	0.404813	0.0185172	1.70763
0.483418	0.160588	0.515433	0.171158	0.395194	0.0210286	1.46974
0.481568	0.154695	0.525314	0.182433	0.398716	0.0223021	1.3249
0.487272	0.150253	0.544744	0.184241	0.397821	0.0220474	1.24488
0.500155	0.15591	0.557056	0.17743	0.414337	0.0273	1.18049
0.513356	0.158882	0.594784	0.195431	0.422096	0.0213309	1.19108
0.532394	0.170551	0.625181	0.199896	0.444381	0.0251995	1.23638
0.553567	0.171243	0.656972	0.207201	0.469645	0.0274419	1.28319
0.574093	0.180113	0.685117	0.227717	0.493239	0.0286956	1.37207
0.610507	0.194857	0.743652	0.231662	0.527581	0.0266672	1.45147
0.63593	0.200173	0.789551	0.252361	0.564041	0.032905	1.60655
0.669983	0.205652	0.842989	0.26567	0.602645	0.0351019	1.72592
0.702424	0.221846	0.882957	0.272524	0.633732	0.0283386	1.88319
0.735983	0.234681	0.936582	0.303103	0.676968	0.0335966	1.99967
0.769873	0.242048	0.982816	0.300666	0.717428	0.0410803	2.13937
0.794882	0.253389	1.01527	0.318238	0.743162	0.0379929	2.27426
0.823104	0.260832	1.04295	0.332268	0.774849	0.0402283	2.38963
0.836417	0.267056	1.05324	0.325496	0.795191	0.0419099	2.43594
0.846948	0.276489	1.05159	0.334027	0.799751	0.0351225	2.49378
0.853773	0.271568	1.0379	0.322286	0.800086	0.0371911	2.44812
0.851708	0.272668	1.01903	0.312807	0.793677	0.0439895	2.4081
0.832676	0.266549	0.982069	0.304112	0.779275	0.0408944	2.30001
0.811268	0.255425	0.940319	0.288827	0.752212	0.040066	2.22659
0.786885	0.249089	0.904935	0.274978	0.720175	0.0368815	2.09601
0.754635	0.235061	0.841925	0.242702	0.694726	0.0473598	1.95961
0.724393	0.223296	0.793338	0.241323	0.66264	0.0360349	1.82303
0.686964	0.20665	0.733395	0.211078	0.619974	0.0305857	1.6727

0.654313	0.20207	0.682971	0.207818	0.590568	0.0297961	1.51928
0.623022	0.188669	0.643047	0.177283	0.555223	0.0285821	1.3937
0.599066	0.179119	0.59866	0.170153	0.52272	0.026378	1.27106
0.575317	0.173504	0.570832	0.155541	0.495409	0.0299286	1.15542
0.553239	0.16258	0.53033	0.15133	0.480254	0.0242672	1.06154
0.538518	0.157355	0.520843	0.153128	0.460998	0.0236612	0.983258
0.527089	0.154056	0.498962	0.144355	0.447583	0.0269995	0.928208
0.520447	0.156245	0.486599	0.139912	0.43303	0.0221468	0.884471
0.515332	0.147008	0.49061	0.147956	0.438351	0.0233345	0.862443
0.505241	0.144803	0.480578	0.149696	0.427301	0.0194773	0.819232
0.50745	0.149012	0.479408	0.131527	0.420731	0.0217608	0.805138
0.509032	0.140085	0.474126	0.136446	0.420145	0.0252402	0.798861
0.500282	0.140751	0.476407	0.155449	0.416642	0.0261866	0.777904
0.505159	0.146356	0.483248	0.144179	0.419566	0.0257975	0.780864
0.502258	0.144942	0.480016	0.15145	0.417012	0.0263763	0.746201
0.502454	0.145127	0.474658	0.148185	0.41686	0.0210794	0.786715
0.505799	0.145503	0.480195	0.158852	0.418636	0.0237086	0.775397
0.502984	0.149998	0.475304	0.158039	0.416594	0.0218048	0.774744
0.505316	0.145318	0.47746	0.152936	0.42111	0.0220344	0.752733
0.500574	0.148397	0.473522	0.163047	0.42287	0.0236016	0.769149
0.502235	0.148356	0.472632	0.1592	0.41584	0.0254319	0.770274
0.503877	0.151496	0.48538	0.161049	0.421668	0.027377	0.778586
0.502169	0.158805	0.471373	0.157105	0.421964	0.0213102	0.784047
0.497166	0.152018	0.477966	0.169525	0.425419	0.0274753	0.754121
0.49608	0.153792	0.486465	0.164267	0.432035	0.0231981	0.765926
0.501395	0.159073	0.478165	0.158756	0.434984	0.0281147	0.810545
0.497631	0.156778	0.487297	0.175054	0.439155	0.0305352	0.803673
0.494968	0.155257	0.484344	0.160604	0.44598	0.0222155	0.791888
0.495265	0.160606	0.489376	0.168722	0.447495	0.0272548	0.837824
0.499652	0.16346	0.49432	0.169731	0.464667	0.0228913	0.833367
0.500511	0.170306	0.518027	0.183827	0.478272	0.0294152	0.850556
0.508453	0.170903	0.522193	0.195703	0.489796	0.0291557	0.865901
0.511193	0.167347	0.536164	0.188829	0.518621	0.0349549	0.875445
0.517296	0.169061	0.558857	0.207107	0.547769	0.0316015	0.925844
0.530127	0.175033	0.585625	0.23621	0.582763	0.0411671	0.921419
0.54703	0.17123	0.629368	0.273681	0.619892	0.0510425	0.961756
0.563735	0.179995	0.673551	0.320663	0.69493	0.062944	1.01267
0.581371	0.171421	0.719057	0.390201	0.755942	0.0659191	1.05146
0.6102	0.173642	0.787837	0.456206	0.838393	0.0899002	1.11835
0.644504	0.187086	0.843685	0.562181	0.937492	0.112477	1.13847
0.672321	0.185485	0.93391	0.676179	1.0405	0.130986	1.24425
0.713857	0.19192	0.98891	0.754232	1.15632	0.158102	1.32558
0.75406	0.202974	1.07429	0.876782	1.2703	0.189679	1.40113
0.791868	0.209518	1.14437	0.995855	1.36722	0.195913	1.48866
0.82986	0.221206	1.20988	1.07572	1.48174	0.224726	1.59662
0.866823	0.226792	1.27163	1.1586	1.5697	0.249619	1.6247
0.907993	0.235832	1.29489	1.18967	1.63898	0.272789	1.70562

0.925095	0.231448	1.3385	1.27083	1.70586	0.275156	1.74369
0.943573	0.234698	1.35964	1.27335	1.73531	0.283197	1.83523
0.953571	0.243216	1.35041	1.28107	1.73821	0.277698	1.83934
0.951411	0.246449	1.33018	1.24716	1.70573	0.279185	1.88117
0.940527	0.235646	1.28768	1.17499	1.65989	0.25917	1.86901
0.920105	0.233625	1.23	1.08049	1.59759	0.233377	1.86012
0.897998	0.232015	1.16908	0.96387	1.48986	0.226893	1.85729
0.863362	0.220245	1.10277	0.853312	1.41002	0.207932	1.82167
0.830393	0.204629	1.02398	0.778528	1.30681	0.168492	1.73524
0.79205	0.197211	0.948656	0.646707	1.20099	0.157349	1.7022
0.759695	0.189227	0.895363	0.548919	1.08705	0.131958	1.65866
0.721475	0.175516	0.83463	0.457803	0.994922	0.101924	1.61889
0.69019	0.173422	0.776899	0.387428	0.901314	0.0853623	1.55272
0.65756	0.156519	0.724853	0.309146	0.831519	0.0747444	1.47917
0.636677	0.157522	0.696221	0.261873	0.757822	0.0561471	1.44727
0.619008	0.147537	0.671819	0.223943	0.716913	0.0523917	1.37065
0.600294	0.139631	0.647211	0.185599	0.665203	0.0408354	1.34839
0.59627	0.141186	0.636295	0.179065	0.643273	0.0361491	1.32006
0.594194	0.143364	0.622488	0.158603	0.617752	0.0344724	1.2898
0.588746	0.144902	0.622061	0.153083	0.605531	0.0326515	1.25515
0.583918	0.141998	0.615849	0.159019	0.59703	0.0367619	1.25327
0.589162	0.139478	0.611876	0.159146	0.590977	0.0260758	1.19822
0.590584	0.145825	0.619873	0.148018	0.592555	0.035672	1.18411
0.593155	0.145262	0.624776	0.147673	0.583833	0.0331898	1.18067
0.592503	0.139288	0.622067	0.150236	0.590767	0.0304155	1.15946
0.598525	0.145133	0.618119	0.141224	0.57714	0.03187	1.14244
0.596437	0.142808	0.611745	0.14296	0.575241	0.0331706	1.0795
0.599735	0.149425	0.614227	0.14328	0.581716	0.0328236	1.08449
0.596646	0.153989	0.612009	0.136268	0.571636	0.0325634	1.08347
0.601338	0.147174	0.612689	0.141323	0.569969	0.0294356	1.03525
0.600992	0.150961	0.607658	0.145244	0.567852	0.0279797	1.01083
0.60227	0.158003	0.612127	0.137795	0.575147	0.029943	0.99381
0.598574	0.161111	0.603396	0.140462	0.565799	0.0316103	0.976633
0.605251	0.171778	0.608224	0.144292	0.557761	0.0287538	0.962553
0.607657	0.169988	0.597816	0.138688	0.553078	0.0259733	0.92181
0.611311	0.177197	0.595259	0.144106	0.551491	0.0246614	0.902105
0.612783	0.186089	0.60153	0.133839	0.557257	0.0298573	0.883382
0.613191	0.191183	0.601441	0.144678	0.560626	0.0262672	0.899177
0.614702	0.197033	0.611387	0.153494	0.555628	0.0243012	0.882492
0.628811	0.210316	0.620946	0.162644	0.560983	0.0252315	0.887771
0.629209	0.214541	0.627961	0.172275	0.554395	0.0282828	0.867553
0.638978	0.226714	0.63401	0.168599	0.563942	0.0249909	0.863166
0.639852	0.232969	0.649326	0.176988	0.563831	0.022369	0.843882
0.649867	0.238307	0.665706	0.19208	0.562176	0.0303506	0.84708
0.661686	0.253207	0.693478	0.203198	0.578075	0.0305456	0.84762
0.674415	0.256986	0.714067	0.2277	0.574686	0.0297061	0.854713
0.68713	0.25615	0.74331	0.244872	0.59032	0.0277566	0.859415



0.706568	0.272995	0.782631	0.271665	0.595018	0.0268647	0.874807
0.727283	0.272798	0.833295	0.345211	0.607334	0.0246084	0.873661
0.750001	0.278787	0.886086	0.370503	0.622549	0.0279782	0.855433
0.777118	0.293908	0.950302	0.448881	0.637742	0.0395489	0.866277
0.807746	0.297011	1.01579	0.519454	0.658244	0.0252317	0.87378
0.839369	0.309382	1.08991	0.626478	0.68022	0.029073	0.868806
0.88199	0.317834	1.15956	0.70768	0.690951	0.0309533	0.878285
0.91668	0.334041	1.23475	0.762895	0.709761	0.0315073	0.905859
0.939901	0.335025	1.31254	0.890275	0.73496	0.0322868	0.909234
0.982874	0.351877	1.35839	0.910934	0.761322	0.0385169	0.908904
1.01314	0.362276	1.42465	0.984	0.772592	0.0419272	0.904914
1.04339	0.366819	1.45991	1.05471	0.782976	0.0385873	0.904824
1.06288	0.371763	1.48819	1.06608	0.802038	0.0374528	0.92449
1.08014	0.368349	1.51969	1.10649	0.801071	0.0399719	0.922648
1.08111	0.37207	1.49514	1.10003	0.803609	0.0399919	0.945498
1.08945	0.376494	1.47521	1.04079	0.803734	0.0356141	0.952078
1.07659	0.378352	1.44248	1.01518	0.793625	0.0404826	0.954248
1.06788	0.369609	1.38278	0.936056	0.788108	0.0312041	0.93508
1.04039	0.364612	1.32366	0.870647	0.781233	0.0341036	0.95352
1.01788	0.352489	1.26123	0.770662	0.762721	0.0318899	0.94314
0.993219	0.358782	1.19771	0.680871	0.732957	0.0309219	0.943078
0.960642	0.347574	1.13699	0.619275	0.72995	0.0335263	0.931594
0.928921	0.330745	1.07128	0.536897	0.720252	0.0347131	0.933707
0.906038	0.324718	1.0041	0.455542	0.701432	0.0303149	0.947441
0.879349	0.312276	0.946665	0.377715	0.694321	0.0313268	0.939087
0.852552	0.299585	0.906628	0.333928	0.677977	0.024378	0.939103
0.83346	0.298688	0.879364	0.287337	0.678581	0.0314258	0.946684
0.816465	0.279317	0.839181	0.258425	0.678326	0.0311266	0.958308
0.8021	0.27486	0.8308	0.247787	0.679137	0.0326687	0.949013
0.790369	0.271161	0.798891	0.214627	0.684063	0.0310545	0.967529
0.785808	0.253674	0.799636	0.215137	0.698588	0.0346048	0.968512
0.782468	0.249026	0.803527	0.203627	0.701736	0.0378198	0.988896
0.782357	0.245154	0.799592	0.200081	0.713358	0.0342396	0.978078
0.782736	0.234859	0.798061	0.207915	0.725642	0.0399213	0.98545
0.78491	0.238507	0.806755	0.209662	0.742234	0.0389345	0.979516
0.790954	0.225028	0.805382	0.207811	0.75511	0.043488	0.982734
0.794552	0.217228	0.821216	0.222329	0.769763	0.0516984	1.00535
0.793757	0.208021	0.827639	0.21754	0.790872	0.0557267	0.979685
0.80547	0.207591	0.835826	0.231432	0.799021	0.0515314	1.01182
0.802792	0.204428	0.836603	0.240888	0.812457	0.0576119	1.00007
0.810155	0.202541	0.846587	0.244699	0.808818	0.0560944	1.02316
0.810696	0.189141	0.848216	0.232051	0.812812	0.0490703	1.02922
0.813314	0.191265	0.833401	0.224358	0.812772	0.0494173	1.01771
0.805348	0.191173	0.840706	0.213107	0.810021	0.0473145	0.991536
0.801176	0.185344	0.827206	0.21115	0.79448	0.0523918	1.00753
0.799537	0.18084	0.817371	0.199197	0.780631	0.0554041	1.03086
0.790571	0.177413	0.823865	0.197476	0.773339	0.043036	1.0057

0.787066	0.176623	0.80075	0.1795	0.764456	0.0414102	1.01586
0.787299	0.17441	0.78361	0.175781	0.739311	0.0459334	0.992877
0.778116	0.181299	0.770144	0.163657	0.729037	0.0391567	1.0136
0.768202	0.168878	0.767791	0.1518	0.70632	0.0414793	1.01422
0.760028	0.170792	0.754837	0.147433	0.694102	0.0345143	1.00695
0.753474	0.163426	0.753482	0.150691	0.683775	0.0370791	1.01983
0.753413	0.167148	0.737833	0.134942	0.680469	0.0358745	1.01596
0.745707	0.166809	0.733353	0.138718	0.661868	0.0277433	1.03796
0.737515	0.160636	0.736682	0.146371	0.655722	0.028933	1.03816
0.740705	0.165871	0.729038	0.130742	0.652122	0.0270626	1.05905
0.736453	0.157696	0.726037	0.135859	0.65133	0.0322531	1.06039
0.741648	0.163753	0.727716	0.149767	0.651284	0.033729	1.0498
0.74165	0.160362	0.721752	0.132694	0.638651	0.0381901	1.07382
0.734579	0.156418	0.718816	0.133852	0.641949	0.0268132	1.07844
0.739291	0.164341	0.736635	0.139074	0.643364	0.033422	1.08473
0.733672	0.159899	0.721273	0.133605	0.646594	0.0312129	1.06746
0.736762	0.157763	0.734822	0.135727	0.646846	0.0248489	1.08007
0.743033	0.165553	0.733244	0.14196	0.657419	0.0241766	1.08251
0.744274	0.160399	0.729937	0.131416	0.665597	0.0289356	1.07995
0.745942	0.156222	0.72924	0.143942	0.670428	0.0380079	1.06423
0.744755	0.163653	0.730188	0.135284	0.662525	0.0263524	1.11017
0.74484	0.162248	0.735545	0.139352	0.672463	0.0341496	1.08045
0.748404	0.160023	0.747538	0.142018	0.677414	0.0294717	1.07959
0.753862	0.16613	0.736735	0.13873	0.684543	0.0304196	1.07958
0.756816	0.168012	0.737468	0.136263	0.684644	0.0371923	1.08184
0.75423	0.159539	0.738011	0.141859	0.679519	0.0356973	1.07946
0.755241	0.159391	0.727222	0.145068	0.686901	0.0294899	1.05841
0.754135	0.159464	0.734629	0.133522	0.688302	0.0251231	1.06094
0.760772	0.160657	0.724483	0.134077	0.68462	0.0293682	1.03126
0.762356	0.159431	0.733996	0.145872	0.693395	0.030544	1.06455
0.75614	0.160993	0.72602	0.139908	0.683153	0.0294326	1.05593
0.759856	0.157897	0.730918	0.129962	0.682149	0.0402482	1.02381
0.756343	0.154948	0.725434	0.137848	0.678047	0.0304814	1.02067
0.763097	0.16387	0.726827	0.138415	0.685153	0.0262581	1.01268
0.758965	0.161698	0.720961	0.138357	0.673093	0.0326689	1.0084
0.755887	0.166861	0.716738	0.136979	0.674699	0.0296815	0.998405
0.760615	0.168269	0.720183	0.134036	0.681583	0.0337241	0.98488
0.759198	0.16533	0.714937	0.135709	0.676599	0.0311505	0.967675
0.760204	0.176822	0.723766	0.137797	0.668297	0.0331291	0.961722
0.756887	0.168471	0.722755	0.139067	0.664218	0.0251892	0.937761
0.763155	0.179601	0.72116	0.143853	0.665139	0.0270228	0.960729
0.763289	0.186167	0.716435	0.131352	0.667226	0.0275341	0.926402
0.759794	0.18054	0.716087	0.132914	0.66951	0.0297782	0.928714
0.765937	0.189908	0.718934	0.136615	0.665467	0.0286792	0.9465
0.768404	0.198457	0.734607	0.134218	0.664581	0.0306002	0.902974
0.772078	0.211112	0.733092	0.134761	0.667679	0.0344616	0.922519
0.774462	0.211923	0.744234	0.139767	0.673655	0.0302672	0.919786

0.780737	0.213248	0.744573	0.13331	0.668861	0.0344112	0.920665
0.787512	0.216757	0.762462	0.148223	0.671129	0.0308896	0.912276
0.788723	0.222864	0.768666	0.142526	0.676727	0.0357525	0.91997
0.798958	0.232138	0.765552	0.14826	0.687021	0.0323587	0.908766
0.800006	0.247532	0.77912	0.153408	0.685227	0.033981	0.900545
0.809385	0.248477	0.786392	0.158904	0.689741	0.0310421	0.925554
0.817836	0.243418	0.812968	0.176506	0.692693	0.0365423	0.913016
0.825246	0.260459	0.816414	0.169249	0.69685	0.0327009	0.900185
0.832524	0.277644	0.829411	0.173577	0.698374	0.0330119	0.930157
0.841057	0.278986	0.84544	0.192835	0.709967	0.0331612	0.919799
0.846843	0.285764	0.849123	0.202233	0.714872	0.0381504	0.94526
0.850233	0.294306	0.860443	0.198454	0.707797	0.0321952	0.939599
0.860585	0.296584	0.859141	0.198244	0.723566	0.0316049	0.94033
0.862519	0.304279	0.870909	0.200732	0.712538	0.0369196	0.940332
0.869362	0.314586	0.859401	0.194125	0.717841	0.0315881	0.974042
0.869159	0.32677	0.868214	0.193462	0.723109	0.0333529	0.971233
0.867009	0.334549	0.862064	0.193508	0.719374	0.0363329	0.993341
0.876156	0.346812	0.857401	0.195509	0.719015	0.0312001	1.01303
0.870451	0.353838	0.85567	0.189649	0.72424	0.0315715	1.01052
0.873966	0.34107	0.855202	0.181887	0.719965	0.037232	1.02556
0.871667	0.341692	0.838969	0.179369	0.72095	0.0298625	1.04035
0.869681	0.356897	0.835841	0.176211	0.720726	0.0307792	1.04187
0.872891	0.369571	0.82541	0.171192	0.719136	0.0295647	1.06414
0.86521	0.365365	0.824565	0.164357	0.708515	0.0247041	1.06025
0.870612	0.371174	0.825186	0.164061	0.718436	0.0340018	1.09754
0.868095	0.383928	0.814585	0.168955	0.719436	0.0318268	1.09491
0.864162	0.397228	0.814766	0.16256	0.71852	0.0319587	1.11349
0.865262	0.401326	0.813967	0.17065	0.711138	0.0280039	1.09689
0.862845	0.407215	0.803786	0.170208	0.71356	0.0307398	1.09555
0.859015	0.392065	0.799957	0.158512	0.721985	0.0301524	1.10131
0.862638	0.398222	0.797979	0.167115	0.709227	0.0328855	1.09032
0.864578	0.41505	0.80069	0.172258	0.711845	0.0351863	1.08696
0.862957	0.394258	0.809326	0.164399	0.712872	0.0280671	1.08142
0.862408	0.400251	0.805045	0.177064	0.711479	0.034403	1.0571
0.855013	0.391859	0.804127	0.173578	0.707507	0.0354975	1.06748
0.867639	0.402475	0.80737	0.179742	0.711788	0.037729	1.04161
0.86278	0.397333	0.810845	0.181879	0.707018	0.0366716	1.04078
0.869126	0.388815	0.798011	0.190227	0.708905	0.0335539	1.03523
0.869204	0.384562	0.808596	0.182214	0.708832	0.0334923	1.01794
0.872501	0.38404	0.806971	0.182536	0.706142	0.032453	1.03191
0.86881	0.384129	0.815294	0.199147	0.708845	0.0295526	1.04153
0.870411	0.374438	0.812051	0.177266	0.712765	0.036666	1.03573
0.869236	0.353725	0.817246	0.181388	0.707966	0.0288637	1.02032
0.863776	0.359389	0.822739	0.181395	0.711305	0.0399992	1.01425
0.873329	0.380688	0.822118	0.183483	0.713941	0.0253115	1.01145
0.871456	0.338238	0.817531	0.187884	0.712935	0.0292912	1.01758
0.875546	0.344339	0.836421	0.197195	0.717167	0.0290296	1.00617

0.881671	0.344404	0.850197	0.198335	0.711094	0.0292947	1.02059
0.884666	0.33856	0.842858	0.189097	0.720112	0.0278273	1.03144
0.881333	0.319881	0.850495	0.193995	0.714288	0.0301379	1.03174
0.889241	0.321998	0.865867	0.196985	0.717287	0.0292258	1.04993
0.895502	0.305938	0.861771	0.197953	0.715115	0.0298177	1.07736
0.89927	0.296484	0.887231	0.216329	0.718846	0.0311929	1.06634
0.902204	0.292342	0.896749	0.226218	0.72494	0.0323231	1.06317
0.914845	0.283984	0.905682	0.21551	0.731492	0.0347523	1.10891
0.916518	0.280845	0.915942	0.218414	0.736248	0.0272548	1.11087
0.930466	0.277134	0.937282	0.225291	0.724204	0.0249918	1.1318
0.938483	0.277981	0.945953	0.229482	0.735137	0.0380082	1.13074
0.951091	0.272465	0.966898	0.243463	0.734246	0.0341112	1.16036
0.954276	0.272835	0.978242	0.25603	0.736558	0.034251	1.17078
0.963132	0.273702	0.9873	0.260289	0.738809	0.0190936	1.19256
0.970048	0.265991	0.994345	0.254019	0.745249	0.0345834	1.2179
0.976456	0.272022	1.00204	0.26438	0.745194	0.0345801	1.2108
0.986462	0.270268	1.01337	0.265655	0.739708	0.0424445	1.22091
0.984229	0.263645	1.00433	0.254088	0.737445	0.0308986	1.21865
0.98445	0.268314	1.01106	0.250686	0.747547	0.0225416	1.2348
0.980431	0.255617	0.993926	0.255201	0.743327	0.0300627	1.19801
0.985131	0.257513	0.98799	0.238547	0.743371	0.0358559	1.19837
0.96948	0.233884	0.97499	0.233326	0.735841	0.0333795	1.18177
0.967626	0.23356	0.972421	0.230024	0.735224	0.0282823	1.18666
0.95467	0.220795	0.957722	0.211239	0.731105	0.0323611	1.17115
0.941628	0.221636	0.936677	0.194408	0.730836	0.0302855	1.157
0.934398	0.20917	0.925353	0.195784	0.730002	0.029562	1.14864
0.922866	0.194906	0.925449	0.199726	0.728141	0.0279473	1.12701
0.908961	0.186261	0.902058	0.180381	0.721787	0.0301479	1.10358
0.901471	0.185027	0.893303	0.172566	0.715113	0.0259164	1.09992
0.885296	0.173234	0.873234	0.160783	0.722565	0.0328643	1.08121
0.874389	0.171872	0.871742	0.154547	0.721182	0.0230258	1.07556
0.866203	0.158205	0.867935	0.149191	0.715955	0.0350557	1.08293
0.865907	0.159324	0.845389	0.144241	0.71836	0.0286316	1.0713
0.852961	0.155227	0.836105	0.142745	0.716552	0.0326043	1.05952
0.849821	0.154259	0.847955	0.146992	0.718927	0.0367505	1.04883
0.848631	0.138505	0.843494	0.149915	0.716731	0.0247875	1.06748
0.844833	0.151012	0.847339	0.144127	0.717515	0.0251399	1.04175
0.847508	0.14316	0.85587	0.14471	0.715825	0.0255594	1.06879
0.844624	0.150505	0.848781	0.143998	0.711451	0.0302084	1.06407
0.848075	0.148093	0.846289	0.132769	0.71878	0.0277688	1.06303
0.849768	0.14573	0.838213	0.14058	0.704012	0.0244001	1.05056
0.847721	0.141639	0.859614	0.144989	0.718114	0.0286931	1.07249
0.846939	0.136152	0.859545	0.149222	0.724545	0.0323089	1.06292
0.852884	0.14403	0.862369	0.148033	0.721147	0.0333808	1.05903
0.861313	0.143625	0.866186	0.151309	0.724589	0.0316205	1.0814
0.860409	0.144443	0.883919	0.145	0.725428	0.0279311	1.0648
0.866778	0.14935	0.889876	0.154418	0.729172	0.0362368	1.08351

0.875234	0.150549	0.89991	0.155976	0.738971	0.0308812	1.0906
0.886333	0.148104	0.91542	0.164386	0.742791	0.0252031	1.0835
0.892455	0.155309	0.935867	0.174193	0.748592	0.0331054	1.10682
0.905478	0.153424	0.959217	0.179748	0.75713	0.027638	1.11421
0.914646	0.160034	0.981274	0.197279	0.765058	0.0337724	1.10463
0.929446	0.16042	1.00608	0.209141	0.790836	0.0323537	1.10225
0.942507	0.157899	1.02648	0.217736	0.79595	0.0325747	1.10271
0.954534	0.16419	1.06302	0.24548	0.810704	0.0325652	1.1451
0.972053	0.16248	1.06999	0.270025	0.816246	0.0348637	1.107
0.989118	0.1644	1.11878	0.279595	0.838417	0.0358857	1.14765
1.0069	0.169563	1.13113	0.294805	0.859083	0.0416097	1.10211
1.03372	0.173783	1.16502	0.314963	0.861833	0.0356785	1.13297
1.0492	0.181498	1.18712	0.339725	0.891038	0.0338984	1.12717
1.05802	0.176136	1.22379	0.351476	0.893713	0.0347871	1.11716
1.07581	0.177149	1.20984	0.348049	0.907592	0.0361419	1.12244
1.08843	0.182752	1.23555	0.354271	0.922391	0.046723	1.13889
1.09157	0.174856	1.24759	0.38675	0.918394	0.0405443	1.1418
1.09721	0.175236	1.2275	0.374737	0.929285	0.0468162	1.11709
1.09506	0.181969	1.23754	0.356521	0.927541	0.0408065	1.12984
1.09454	0.177795	1.21751	0.334865	0.909183	0.0382191	1.12159
1.0844	0.179524	1.18083	0.326958	0.894833	0.0414884	1.104
1.07272	0.177028	1.16741	0.318987	0.893038	0.0413067	1.10184
1.05303	0.174554	1.13209	0.306025	0.878782	0.0415412	1.10011
1.03218	0.1673	1.08531	0.277784	0.856344	0.0390053	1.10708
1.011	0.163445	1.07011	0.242609	0.843562	0.0436084	1.09961
0.991051	0.15965	1.03335	0.232806	0.826638	0.0363842	1.08177
0.967845	0.155896	1.00258	0.208957	0.813702	0.0377381	1.09531
0.94579	0.151208	0.96922	0.194402	0.796864	0.0320749	1.07391
0.921858	0.15257	0.935213	0.166963	0.777263	0.0354037	1.07253
0.910075	0.150264	0.922149	0.165633	0.768272	0.0317831	1.08449
0.882569	0.145471	0.903451	0.144654	0.748851	0.0268741	1.04784
0.873023	0.147143	0.883075	0.157079	0.746277	0.025915	1.05393
0.859983	0.143144	0.863838	0.132681	0.732846	0.0304691	1.04825
0.84959	0.143765	0.856003	0.140007	0.726635	0.0241683	1.06416
0.835902	0.139839	0.848535	0.130808	0.719701	0.0253746	1.07086
0.828523	0.150522	0.828674	0.125532	0.71485	0.0327013	1.04174
0.823075	0.148187	0.819649	0.123414	0.714985	0.029095	1.0591
0.814451	0.144346	0.824297	0.136975	0.701643	0.0202541	1.06166
0.809947	0.140552	0.813111	0.122175	0.702861	0.0309218	1.06323
0.81005	0.148343	0.817037	0.116201	0.698122	0.0304617	1.07278
0.802895	0.139408	0.798763	0.118049	0.696139	0.0281016	1.06721
0.796888	0.141691	0.790818	0.110693	0.701742	0.0266436	1.08643
0.798885	0.141173	0.794178	0.119421	0.70629	0.0251203	1.06473
0.795226	0.138513	0.797483	0.110429	0.702506	0.028947	1.07778
0.786277	0.143003	0.786389	0.124538	0.704491	0.0210866	1.10001
0.785829	0.137858	0.787815	0.106729	0.705542	0.0324214	1.09557
0.784816	0.138392	0.782223	0.113574	0.699081	0.0218965	1.08669

0.782335	0.135537	0.791952	0.113482	0.702396	0.0281725	1.11935
0.780738	0.139624	0.778199	0.0996043	0.703765	0.0289203	1.10632
0.784195	0.129034	0.776456	0.115113	0.702822	0.0302031	1.1155
0.781762	0.132938	0.774346	0.105477	0.700633	0.0329531	1.11526
0.777867	0.132114	0.777764	0.0961469	0.700899	0.0254439	1.1319
0.779479	0.135422	0.77053	0.101629	0.705892	0.0341651	1.14594
0.776384	0.136003	0.76479	0.0937145	0.694743	0.026982	1.14453
0.774883	0.139881	0.771483	0.100086	0.70085	0.0216479	1.1443
0.779591	0.136126	0.774001	0.0979894	0.696218	0.0311815	1.1416
0.773122	0.133773	0.760395	0.0972726	0.702476	0.030837	1.13957
0.77035	0.134715	0.774867	0.0964683	0.700712	0.0304849	1.13758
0.776001	0.133456	0.767705	0.0922729	0.694378	0.029144	1.14056
0.769798	0.132786	0.757497	0.0983181	0.700386	0.0314289	1.15091
0.766521	0.132581	0.75302	0.0959541	0.690117	0.0238111	1.14328
0.769658	0.126236	0.758861	0.0753228	0.696919	0.030694	1.14385
0.768832	0.124259	0.765624	0.0813003	0.693261	0.032249	1.15457
0.769928	0.13574	0.768717	0.102223	0.701802	0.0335086	1.1537
0.768237	0.123124	0.761568	0.0875149	0.696155	0.0311945	1.15699
0.767048	0.131247	0.759973	0.0858791	0.69073	0.0369788	1.15963
0.767705	0.122501	0.757045	0.0809012	0.695479	0.0304133	1.14709
0.769528	0.12683	0.756142	0.0913569	0.698649	0.033883	1.11514
0.763725	0.125044	0.750202	0.0797283	0.694988	0.026924	1.12214
0.769345	0.128465	0.758161	0.0985121	0.695845	0.0262428	1.12835
0.772588	0.124354	0.758526	0.09003	0.697511	0.0248502	1.10186
0.77117	0.124531	0.771722	0.0940057	0.692267	0.0246872	1.10476
0.764921	0.118504	0.74656	0.0889708	0.692319	0.0272955	1.06819
0.764416	0.122539	0.757397	0.0890688	0.70102	0.0240955	1.07193
0.766073	0.128801	0.756824	0.0802817	0.696353	0.0285281	1.07148
0.771405	0.12373	0.762742	0.0807595	0.697337	0.0315426	1.06125
0.763513	0.117789	0.765809	0.0950346	0.687316	0.0253184	1.03774
0.765494	0.120922	0.756739	0.0873904	0.695534	0.0320336	1.04277
0.761055	0.116019	0.751974	0.0817807	0.699814	0.0288414	1.03306
0.767305	0.120404	0.760163	0.0923333	0.698703	0.0286132	1.0367
0.760388	0.118714	0.754556	0.0878169	0.68638	0.026779	1.02273
0.769406	0.124932	0.756307	0.0833338	0.693927	0.0244874	1.02491
0.768111	0.125424	0.748639	0.0886789	0.693029	0.0336311	1.01309
0.770485	0.12557	0.749095	0.0794184	0.693304	0.0284076	1.00885
0.765653	0.124238	0.760805	0.0824528	0.702695	0.0317771	1.03458
0.768488	0.120157	0.765323	0.090687	0.700902	0.0308868	1.0037
0.765366	0.120489	0.754201	0.0844634	0.69778	0.0265069	0.985522
0.763988	0.119888	0.75886	0.0912683	0.702056	0.0311756	0.999847
0.76921	0.119453	0.775262	0.0888096	0.693208	0.0263698	1.00357
0.766435	0.119392	0.76248	0.0898088	0.697536	0.0263979	1.01301
0.762043	0.119414	0.759262	0.0860805	0.698726	0.0361966	1.01291
0.768604	0.122865	0.759837	0.0848015	0.694243	0.0311507	1.00419
0.763939	0.121625	0.752601	0.0831129	0.694155	0.0261458	1.02123
0.767643	0.122193	0.759122	0.082373	0.696458	0.0201736	0.999229

0.764035	0.12167	0.755372	0.0833492	0.699124	0.0310885	0.98843
0.764693	0.121556	0.758216	0.0689831	0.695741	0.0284452	1.00086
0.762737	0.120104	0.748287	0.0779699	0.688628	0.0256525	1.00632
0.766237	0.122116	0.744384	0.077764	0.686768	0.0340516	0.992557
0.766241	0.123405	0.766669	0.0889948	0.691812	0.0237556	0.987002
0.764802	0.112437	0.752488	0.0836813	0.695532	0.0253376	1.00611
0.761268	0.118356	0.751991	0.0824023	0.702011	0.0270836	0.97565
0.766147	0.112909	0.747929	0.0743534	0.690045	0.0271741	0.982012
0.769213	0.117201	0.755709	0.0894492	0.692579	0.0257379	0.993897
0.764902	0.117928	0.756003	0.0817325	0.689247	0.0250636	0.985412
0.764386	0.122028	0.757052	0.0814349	0.691871	0.0311492	0.987554
0.764359	0.117178	0.750756	0.090324	0.688852	0.033251	0.976179
0.760221	0.114832	0.757372	0.0854812	0.694673	0.024009	0.982074
0.762779	0.121693	0.755834	0.0838391	0.688665	0.0217652	0.982044
0.761617	0.113516	0.744028	0.078823	0.687473	0.025644	0.982391
0.76468	0.111531	0.748038	0.0762145	0.683085	0.0269587	0.989911
0.763439	0.117404	0.740602	0.0796954	0.684688	0.0264757	0.962672
0.761591	0.118621	0.740433	0.0670427	0.683765	0.0249843	0.988446
0.759982	0.110574	0.752252	0.0733748	0.695193	0.0250323	0.989052
0.758121	0.117012	0.757627	0.0880767	0.684336	0.0289141	0.966383
0.76234	0.110086	0.754056	0.0850616	0.687841	0.0299674	0.988633
0.762921	0.116973	0.749482	0.0825474	0.692437	0.0263481	0.98133
0.756071	0.114604	0.751893	0.0842839	0.686756	0.0236223	0.9893
0.763159	0.117152	0.747514	0.0821669	0.683664	0.0326996	0.991356
0.763296	0.11485	0.745301	0.0790531	0.686959	0.0278028	0.988734
0.760732	0.114178	0.751951	0.0716439	0.682268	0.0278231	0.979042
0.761672	0.12094	0.755104	0.0800713	0.682919	0.0271465	1.00373
0.766145	0.112738	0.743936	0.0860862	0.68318	0.0204316	1.01535
0.762995	0.118339	0.753107	0.0835957	0.690232	0.0305405	0.987903
0.76334	0.120219	0.738081	0.0796088	0.684955	0.0170511	0.995297
0.762171	0.122038	0.752501	0.0801323	0.681625	0.0316106	0.990568
0.76195	0.116635	0.746173	0.085734	0.679854	0.0230431	0.998897
0.760236	0.118444	0.743515	0.0868761	0.68362	0.0308558	1.02251
0.759197	0.115353	0.753235	0.0766919	0.684403	0.0231436	1.01524
0.764101	0.11482	0.754956	0.0798846	0.680625	0.0222828	1.02048
0.770075	0.116614	0.758077	0.0858088	0.68766	0.0231338	1.03945
0.759688	0.113158	0.749745	0.0838562	0.679469	0.0285783	1.04168
0.765064	0.11652	0.755127	0.0810219	0.678194	0.0273453	1.03671
0.759492	0.115481	0.752118	0.0810168	0.682189	0.0219686	1.02313
0.764325	0.112524	0.751212	0.0766755	0.68437	0.0269283	1.04384
0.765361	0.11824	0.761375	0.0831553	0.683583	0.025813	1.05906
0.760305	0.117079	0.755184	0.0828283	0.684124	0.0222621	1.05177
0.764841	0.120365	0.759304	0.08703	0.681248	0.0287762	1.04885
0.761101	0.111318	0.749479	0.0894545	0.68555	0.0259845	1.05046
0.756174	0.113933	0.750219	0.0838986	0.679222	0.0234373	1.06252
0.756285	0.122014	0.753951	0.0940546	0.686463	0.0274068	1.05948
0.762576	0.1177	0.749282	0.0776435	0.679307	0.0233716	1.06082

0.753671	0.114578	0.748458	0.0810592	0.675879	0.0299834	1.06929
0.757302	0.122188	0.758154	0.0848329	0.672244	0.0274505	1.04552
0.752928	0.113584	0.754149	0.0853794	0.683287	0.0341036	1.05346
0.761819	0.10873	0.754	0.0823324	0.676053	0.0322457	1.04534
0.75917	0.120204	0.74712	0.0847006	0.675015	0.0282661	1.03937
0.756148	0.112108	0.751255	0.0881886	0.678801	0.0331338	1.02066
0.756258	0.112677	0.75294	0.0758733	0.667439	0.0240804	1.02289
0.75407	0.104295	0.751902	0.0829328	0.673907	0.0246692	1.02093
0.75862	0.114214	0.746908	0.0830064	0.66796	0.0324558	1.00563
0.752245	0.110667	0.751915	0.0885602	0.671241	0.0232935	1.01967
0.749235	0.114917	0.75722	0.0938217	0.664238	0.0263118	0.997414
0.747243	0.104927	0.750246	0.0890714	0.672513	0.0257943	0.990956
0.747107	0.11383	0.745323	0.0870138	0.673945	0.0245345	0.989588
0.744971	0.0988313	0.746282	0.0814619	0.670986	0.0240971	0.9851
0.743424	0.105142	0.744798	0.0823383	0.667133	0.0215928	0.977756
0.744313	0.106871	0.748338	0.0841383	0.669752	0.0245446	0.961601
0.748951	0.107701	0.741782	0.0812553	0.663595	0.0212996	0.968869
0.740813	0.105567	0.75237	0.0857508	0.658196	0.0221678	0.974919
0.738473	0.097034	0.740037	0.0845546	0.664438	0.0275852	0.945913
0.742802	0.10374	0.734139	0.0800211	0.662822	0.0273123	0.945732
0.737944	0.105029	0.734217	0.0810967	0.656889	0.0245335	0.955708
0.738118	0.104422	0.744698	0.0841562	0.657953	0.0224908	0.93932
0.740429	0.105674	0.730524	0.0753256	0.649966	0.0274046	0.958892
0.732888	0.091667	0.736745	0.0778362	0.656601	0.0269177	0.95587
0.732939	0.100269	0.739094	0.0904415	0.65244	0.0261344	0.928793
0.733852	0.0983867	0.731237	0.0805684	0.654708	0.0289357	0.949125
0.735565	0.102449	0.735003	0.0897039	0.653351	0.0260107	0.959145
0.730319	0.0933935	0.737207	0.0857049	0.644545	0.0261581	0.953538
0.728333	0.095163	0.738429	0.077185	0.646603	0.0209794	0.941718
0.730251	0.0941426	0.730174	0.0805476	0.647903	0.0234109	0.943891
0.726526	0.0942901	0.724081	0.0788281	0.651014	0.0239913	0.956998
0.729813	0.0861888	0.723354	0.0780007	0.648255	0.0227642	0.983028
0.725771	0.0956369	0.730283	0.0797259	0.640983	0.0328041	0.948502
0.724633	0.0964602	0.719206	0.0681826	0.647186	0.0210487	0.967639
0.729111	0.0964957	0.729588	0.0796526	0.647385	0.028097	0.980438
0.725879	0.0946523	0.724627	0.0813631	0.642634	0.0196635	0.989709
0.725802	0.0934177	0.728265	0.0694427	0.646017	0.0261809	0.99585
0.723934	0.0903887	0.727828	0.08045	0.646924	0.0174005	1.01001
0.720627	0.0947472	0.734785	0.0753034	0.639929	0.0239284	1.02196
0.718235	0.0900133	0.729746	0.075493	0.638999	0.0289283	1.03191
0.722826	0.0949898	0.734033	0.0800045	0.634123	0.0276001	1.03928
0.719157	0.0924085	0.719298	0.076855	0.638564	0.0240001	1.07124
0.7126	0.0874779	0.724189	0.0747195	0.639499	0.0316636	1.06819
0.715867	0.0881301	0.727065	0.0757341	0.638032	0.0188277	1.09198
0.713509	0.0861054	0.724075	0.0673161	0.634491	0.0193622	1.10951
0.718124	0.0916317	0.737494	0.0801671	0.634876	0.0223892	1.12602
0.712495	0.0915223	0.727693	0.0745392	0.636828	0.0259215	1.12639



0.709125	0.0807458	0.723219	0.0684382	0.64218	0.0256609	1.14928
0.716288	0.0933179	0.715126	0.0739055	0.638747	0.0216749	1.13131
0.705031	0.0898764	0.72433	0.0691531	0.629723	0.0176872	1.14087
0.710268	0.0843942	0.718809	0.071447	0.629433	0.0242888	1.16072
0.70247	0.0914398	0.717122	0.0733727	0.628465	0.0229791	1.16258
0.705489	0.0865743	0.722596	0.0754474	0.630136	0.017723	1.16346
0.703241	0.0856445	0.714446	0.067822	0.630273	0.0198326	1.14189
0.704536	0.0869098	0.711265	0.065246	0.624361	0.0242521	1.14423
0.701156	0.0824091	0.714533	0.0669621	0.62682	0.0226309	1.14109
0.699176	0.086539	0.701786	0.0703251	0.625511	0.0253043	1.11414
0.696128	0.0897877	0.709804	0.0660481	0.625334	0.0239826	1.1029
0.695855	0.0845968	0.709313	0.0755712	0.628296	0.0184486	1.10315
0.695042	0.0839696	0.704076	0.0708757	0.621802	0.0226274	1.10417
0.694005	0.0795948	0.699742	0.0687401	0.624912	0.0268837	1.06636
0.694608	0.0811549	0.705685	0.0714102	0.621073	0.0243621	1.08519
0.689263	0.0787577	0.709119	0.0720991	0.621815	0.0241458	1.08389
0.691101	0.0797468	0.705671	0.0691752	0.622531	0.01532	1.0895
0.690596	0.0815115	0.712302	0.0763456	0.627519	0.0155805	1.08195
0.695768	0.0833251	0.709547	0.0722268	0.625239	0.0206732	1.08232
0.701039	0.0840494	0.722338	0.0664469	0.620262	0.0193316	1.08603
0.696754	0.081599	0.719872	0.079288	0.627074	0.0285975	1.0939
0.702974	0.077333	0.755779	0.0815532	0.631445	0.0243965	1.12916
0.706042	0.0845142	0.755805	0.0958036	0.639595	0.0261488	1.13636
0.711146	0.0737684	0.761948	0.0948172	0.642864	0.0178237	1.17701
0.725941	0.0864155	0.781665	0.108151	0.658261	0.0248233	1.20445
0.736519	0.0861328	0.794135	0.099376	0.665879	0.026188	1.24548
0.745411	0.0874218	0.805401	0.123186	0.67681	0.0237303	1.33753
0.75665	0.0864011	0.831074	0.138421	0.676028	0.0270242	1.42618
0.770664	0.0847559	0.852404	0.136987	0.690814	0.0293292	1.52736
0.785802	0.091725	0.868738	0.153976	0.687827	0.0255392	1.6628
0.794789	0.0868154	0.876392	0.150301	0.711304	0.0291339	1.85093
0.809033	0.0936003	0.905673	0.16318	0.714815	0.0288643	2.10893
0.821524	0.0962739	0.906236	0.163825	0.72281	0.0359531	2.36145
0.833114	0.0977866	0.925237	0.166909	0.733119	0.0309053	2.72176
0.841423	0.094882	0.942438	0.189027	0.742868	0.0331614	3.2249
0.855701	0.101364	0.939159	0.188828	0.751805	0.0350246	3.77616
0.852448	0.10819	0.934928	0.175309	0.748469	0.0346737	4.35815
0.853893	0.108141	0.947725	0.178176	0.752844	0.0293195	5.10259
0.863192	0.117997	0.942869	0.184649	0.751573	0.0364931	6.00072
0.859748	0.116102	0.932918	0.182092	0.751382	0.0270949	6.85881
0.858686	0.11956	0.910807	0.174765	0.738866	0.0267356	7.97525
0.854788	0.137988	0.902172	0.168839	0.744829	0.0317572	9.15766
0.846922	0.138018	0.903372	0.183615	0.739332	0.0295949	10.4108
0.843934	0.152021	0.887023	0.162968	0.735849	0.0320166	11.69
0.837181	0.156381	0.885289	0.1597	0.729349	0.0245465	12.934
0.829792	0.174652	0.865427	0.16748	0.732734	0.0297742	14.293
0.822643	0.189773	0.855914	0.183598	0.724037	0.0249492	15.4947

0.82213	0.213459	0.849209	0.182693	0.721315	0.0246897	16.6514
0.807812	0.212919	0.831647	0.185818	0.716888	0.0289356	17.6194
0.79973	0.217741	0.826746	0.182289	0.718804	0.0329662	18.5174
0.796768	0.235548	0.832983	0.194977	0.702991	0.0373228	19.2301
0.788764	0.246772	0.809462	0.177388	0.69945	0.0327313	19.7861
0.78641	0.251301	0.79719	0.188334	0.698019	0.0288447	19.9108
0.77764	0.24859	0.790752	0.200675	0.702785	0.0319859	19.9456
0.775886	0.2551	0.784081	0.176859	0.696859	0.0253275	19.6697
0.762681	0.260384	0.772915	0.171676	0.675152	0.0285855	19.0416
0.761723	0.257471	0.754436	0.16982	0.679877	0.0286356	18.4268
0.747648	0.234158	0.744211	0.147853	0.669471	0.0298475	17.4087
0.742187	0.226214	0.733195	0.151784	0.653461	0.0300205	16.2454
0.739167	0.223681	0.726888	0.131735	0.65221	0.022735	15.0644
0.721727	0.200823	0.715625	0.134607	0.644678	0.0332739	13.7368
0.716349	0.19133	0.70541	0.123093	0.637838	0.0303985	12.4629
0.702991	0.170997	0.688001	0.105763	0.619389	0.0263769	11.0974
0.695854	0.161212	0.68204	0.094568	0.62252	0.0239757	9.85888
0.687179	0.153848	0.682779	0.0883349	0.610292	0.0240986	8.54868
0.674016	0.125016	0.663897	0.076942	0.60255	0.0244727	7.42176
0.66614	0.12472	0.664949	0.0751326	0.596611	0.0286461	6.40743
0.657268	0.107296	0.661744	0.0723697	0.591498	0.0172249	5.41277
0.650162	0.102387	0.652634	0.0636212	0.578307	0.0233367	4.60072
0.649577	0.0878264	0.643516	0.0609519	0.582717	0.018595	3.87436
0.640451	0.0908383	0.640515	0.0638706	0.569322	0.0255036	3.24846
0.644707	0.0808857	0.632877	0.0615648	0.582413	0.0231746	2.75451
0.636105	0.0769749	0.631078	0.0503339	0.568815	0.0223753	2.34713
0.632742	0.0769389	0.626496	0.0551879	0.560817	0.0179258	1.97609
0.630747	0.0720922	0.623867	0.0550159	0.559627	0.0180242	1.72792
0.624549	0.0677836	0.632668	0.0592187	0.55616	0.0222186	1.51612
0.619622	0.0716867	0.615777	0.052055	0.556851	0.0217917	1.35475
0.622567	0.0656178	0.617149	0.0449052	0.54975	0.0238493	1.22993
0.616569	0.0689415	0.602195	0.0517908	0.550632	0.024473	1.1115
0.608994	0.066965	0.610354	0.0589274	0.541489	0.0210899	1.06625
0.603474	0.0651898	0.596479	0.0509776	0.541647	0.0163035	0.978749
0.606568	0.0657452	0.605792	0.0573135	0.540513	0.019801	0.98021
0.603385	0.0644695	0.596228	0.0548478	0.54343	0.0170563	0.958205
0.599805	0.0576817	0.596774	0.0490531	0.530204	0.0239378	0.936563
0.595395	0.0623451	0.603644	0.0510916	0.535502	0.0214428	0.932248
0.59659	0.0602541	0.588308	0.0542987	0.535178	0.02105	0.909832
0.592978	0.0674178	0.594361	0.0587719	0.53717	0.0197314	0.915826
0.591511	0.0640165	0.589111	0.0591209	0.52771	0.0208022	0.929077
0.588636	0.0646262	0.586629	0.0481403	0.533067	0.0274892	0.943794
0.58686	0.0630157	0.577892	0.0516572	0.535807	0.0162889	0.937044
0.590983	0.0571722	0.583531	0.0546829	0.527536	0.0264317	0.960615
0.589712	0.0597173	0.58375	0.0462009	0.535477	0.0263291	0.992792
0.586592	0.0678093	0.591554	0.0502923	0.542041	0.0203571	1.01302
0.590698	0.0639662	0.582961	0.0529576	0.531841	0.0237867	1.07792

0.592683	0.0612317	0.596248	0.0549721	0.543153	0.0193075	1.10778
0.590477	0.0680053	0.587777	0.0452224	0.539274	0.0197647	1.1901
0.593479	0.0584934	0.593574	0.0509285	0.551105	0.018239	1.25518
0.592304	0.0643692	0.600772	0.0571594	0.56053	0.0239728	1.36526
0.598081	0.059553	0.596632	0.0559654	0.560607	0.0220581	1.47078
0.601928	0.0641009	0.601026	0.0496656	0.569074	0.0225895	1.60108
0.602184	0.0646847	0.608787	0.0562048	0.579576	0.0254877	1.7815
0.609507	0.0669311	0.618276	0.0562014	0.58984	0.0250529	1.96471
0.618491	0.0718874	0.617727	0.0614559	0.605095	0.0218077	2.16063
0.624147	0.0765419	0.622461	0.0619909	0.609842	0.0200211	2.44111
0.625542	0.0819821	0.631775	0.0553196	0.620486	0.0262991	2.70057
0.633547	0.082684	0.637709	0.0569245	0.625527	0.0228424	2.99544
0.641759	0.083028	0.633364	0.0691568	0.638452	0.0192358	3.32111
0.65222	0.0890417	0.656142	0.0596698	0.645767	0.0227322	3.65218
0.653596	0.0904265	0.648407	0.0681567	0.659877	0.0332556	4.02041
0.657469	0.094662	0.655743	0.0745524	0.656985	0.0238707	4.39351
0.660972	0.0997346	0.660074	0.0790826	0.665453	0.0271433	4.70981
0.660312	0.100526	0.661361	0.0818789	0.671237	0.0274619	5.06449
0.669126	0.111574	0.663163	0.0793838	0.672053	0.025753	5.4101
0.673199	0.108731	0.652426	0.0834511	0.677183	0.0261565	5.67749
0.671457	0.103205	0.661119	0.0777708	0.674386	0.0232831	5.92372
0.668531	0.108727	0.65875	0.0799503	0.664594	0.02232	6.12288
0.662604	0.113896	0.648183	0.0789853	0.659947	0.0222867	6.26816
0.666674	0.110098	0.642011	0.078528	0.656922	0.0259684	6.32932
0.65573	0.112374	0.647753	0.0807222	0.647124	0.0241592	6.35545
0.651626	0.108083	0.632436	0.0897514	0.634078	0.0213865	6.31338
0.649795	0.109583	0.619723	0.0753907	0.621902	0.0301133	6.14225
0.642617	0.110172	0.61659	0.0792393	0.609553	0.0219439	5.9413
0.632021	0.106577	0.604207	0.0713427	0.595348	0.022154	5.66514
0.629588	0.102905	0.605137	0.0693262	0.596438	0.0214175	5.3918
0.614654	0.0952755	0.603013	0.0629592	0.586642	0.021806	5.02486
0.61262	0.0984407	0.586905	0.0708599	0.572361	0.0228293	4.69165
0.598009	0.0824632	0.583625	0.0645817	0.551619	0.0230587	4.2813
0.589241	0.0844279	0.568334	0.0524075	0.540237	0.0277448	3.91646
0.586792	0.0794179	0.566475	0.0568623	0.539734	0.0184303	3.51161
0.580226	0.0712346	0.566968	0.054817	0.527073	0.0252717	3.14936
0.572911	0.070749	0.554559	0.046988	0.515377	0.0253253	2.82189
0.5696	0.0700241	0.555491	0.0501238	0.510168	0.0231998	2.52594
0.564208	0.0689214	0.555895	0.0488575	0.508161	0.017746	2.19163
0.557713	0.0666264	0.540405	0.0482158	0.502149	0.0209656	1.9357
0.559485	0.0628733	0.546107	0.0410864	0.501401	0.0192098	1.69319
0.551893	0.0606349	0.54062	0.0464164	0.503664	0.0198472	1.49548
0.55189	0.0575349	0.535916	0.0420626	0.491831	0.0176484	1.33914
0.544848	0.0561976	0.534618	0.0389236	0.495323	0.0181018	1.19083
0.54308	0.0576161	0.534459	0.0445016	0.488674	0.0176775	1.08747
0.543865	0.0569805	0.529715	0.0501465	0.485496	0.0171217	0.976335
0.54102	0.0625929	0.537392	0.0442005	0.484122	0.0205107	0.873897

0.539434	0.0568732	0.529009	0.0453839	0.480207	0.0201236	0.824656
0.534658	0.0531949	0.52544	0.0435471	0.48043	0.0164074	0.799983
0.536803	0.0589563	0.533882	0.0485008	0.482525	0.020327	0.742294
0.536521	0.0550757	0.530613	0.044285	0.482783	0.015954	0.724025
0.535272	0.0556836	0.520676	0.0413471	0.484451	0.0205903	0.693485
0.531487	0.0567198	0.526934	0.0401845	0.486831	0.0199457	0.683843
0.532638	0.0615181	0.527039	0.0382143	0.483226	0.0227057	0.685132
0.529727	0.0578876	0.531536	0.0483228	0.478115	0.0197927	0.669163
0.534513	0.0602032	0.524828	0.0368536	0.478388	0.0172519	0.680042
0.52751	0.0516728	0.531839	0.0424754	0.477432	0.0197527	0.664942
0.528614	0.0615514	0.52083	0.0401548	0.475035	0.0204272	0.688814
0.527405	0.0525312	0.519195	0.0432336	0.480238	0.0156208	0.670131
0.528536	0.0609315	0.524907	0.0392914	0.479423	0.0221413	0.65997
0.524328	0.0536597	0.520634	0.0462192	0.477552	0.0160699	0.672836
0.52387	0.0578975	0.526279	0.0408813	0.480002	0.0212488	0.669566
0.529498	0.0545294	0.530804	0.0511775	0.476006	0.0212077	0.684012
0.521981	0.0499342	0.525998	0.0370907	0.477457	0.0184031	0.675455
0.523435	0.050997	0.526204	0.0363077	0.472365	0.0219761	0.69468
0.523397	0.0508484	0.515405	0.0392834	0.482979	0.0207571	0.704468
0.524999	0.0553293	0.526213	0.035758	0.478818	0.0189188	0.689886
0.526462	0.0517656	0.527389	0.0313657	0.485167	0.0178833	0.710064
0.530225	0.0502455	0.52375	0.0410753	0.4867	0.0206228	0.711096
0.526831	0.0502449	0.527475	0.0412664	0.489769	0.0212398	0.734439
0.525582	0.0480542	0.5244	0.047902	0.491853	0.0207333	0.742899
0.53155	0.0558829	0.545304	0.0440849	0.503384	0.0209922	0.748141
0.540956	0.0484457	0.541754	0.0407442	0.516451	0.0248607	0.772615
0.542237	0.0521342	0.546754	0.0468355	0.522708	0.0212328	0.78676
0.545324	0.0567485	0.563838	0.046337	0.544748	0.0242525	0.781597
0.556734	0.0540277	0.578769	0.0473522	0.562022	0.0264694	0.866774
0.563473	0.058913	0.594012	0.0426692	0.591712	0.0376976	0.860003
0.575763	0.0570095	0.611478	0.0560389	0.620869	0.0302461	0.908624
0.593398	0.060144	0.640988	0.05164	0.651031	0.0408739	0.967646
0.613478	0.0582471	0.662945	0.0637403	0.695636	0.0394708	0.998702
0.634389	0.0601333	0.678811	0.0625835	0.731793	0.0456525	1.05547
0.660617	0.0701384	0.712819	0.0683656	0.778227	0.0527896	1.10576
0.684173	0.073958	0.742222	0.0826584	0.832758	0.0693591	1.15654
0.70957	0.0822358	0.773291	0.0873106	0.891669	0.077141	1.20823
0.73912	0.0884808	0.815055	0.0955848	0.943429	0.0758064	1.25921
0.770848	0.0926352	0.845891	0.0959571	1.00546	0.0907785	1.31178
0.800235	0.109493	0.876272	0.107538	1.06921	0.0971614	1.35878
0.834872	0.110093	0.917807	0.114419	1.12753	0.0962622	1.43269
0.868695	0.128171	0.948869	0.116559	1.18491	0.114925	1.43442
0.900844	0.134304	0.963829	0.130755	1.2321	0.128214	1.48362
0.92591	0.142901	0.982133	0.126764	1.28585	0.13516	1.50973
0.949545	0.158522	1.0074	0.12886	1.31245	0.136812	1.55548
0.970892	0.153852	1.01818	0.122852	1.3499	0.130513	1.51722
0.991141	0.162777	1.02751	0.139349	1.37036	0.1446	1.51346

1.00062	0.171777	1.02621	0.14042	1.39989	0.151167	1.48044
1.00387	0.168331	1.02436	0.135656	1.38908	0.138281	1.47822
1.00621	0.172016	1.01065	0.134749	1.36943	0.155568	1.45569
0.998687	0.162517	0.985875	0.132486	1.34267	0.135805	1.42903
0.983295	0.159249	0.956454	0.100633	1.31143	0.137208	1.37162
0.963084	0.157416	0.938573	0.120026	1.27714	0.138834	1.31633
0.940319	0.151158	0.913562	0.104015	1.22756	0.112724	1.26981
0.912079	0.150326	0.871157	0.0951285	1.16662	0.119221	1.18034
0.892124	0.142609	0.830437	0.0823338	1.10752	0.105897	1.13848
0.847103	0.122679	0.795401	0.0891119	1.04228	0.100368	1.09815
0.820314	0.114111	0.756469	0.0782539	0.985139	0.0922952	1.00533
0.784303	0.105334	0.725555	0.0764785	0.923947	0.0839511	0.955422
0.747169	0.094049	0.680757	0.0601226	0.856598	0.0616258	0.886144
0.712921	0.0910451	0.656952	0.0575085	0.790916	0.0614877	0.837097
0.682763	0.0801482	0.630683	0.0478254	0.742868	0.0518916	0.802682
0.649508	0.0724751	0.607303	0.0416708	0.684806	0.0372444	0.750993
0.620573	0.068017	0.588788	0.0382569	0.641523	0.0341236	0.727158
0.598293	0.058825	0.557099	0.0443416	0.612161	0.0336355	0.701454
0.572917	0.0583033	0.552194	0.0414544	0.573761	0.0276664	0.669257
0.553647	0.0582918	0.532319	0.0347525	0.541807	0.025394	0.640288
0.538455	0.0504241	0.513413	0.0364114	0.518881	0.0238533	0.628912
0.521236	0.0492713	0.496009	0.0329285	0.49459	0.0227296	0.617881
0.50863	0.0479055	0.50123	0.0298411	0.483987	0.0221971	0.608833
0.499281	0.0396545	0.490525	0.0276905	0.465255	0.0251402	0.592432
0.492475	0.0459986	0.487603	0.0422787	0.453376	0.0237981	0.588683
0.482146	0.0432001	0.485144	0.0337481	0.443459	0.0194136	0.572375
0.48285	0.04189	0.476792	0.0304425	0.438623	0.0191527	0.571554
0.472614	0.0418257	0.472174	0.0355851	0.431025	0.0178432	0.571727
0.472873	0.0429698	0.459925	0.0281929	0.429924	0.0182529	0.569337
0.46383	0.0417512	0.467407	0.0342654	0.427622	0.0178258	0.57234
0.462131	0.0403191	0.468777	0.0345064	0.422352	0.0148654	0.569101
0.464613	0.0432366	0.46577	0.0410903	0.419975	0.0151795	0.580774
0.458039	0.0408694	0.45796	0.0372953	0.41822	0.0157281	0.557806
0.45709	0.0402375	0.461558	0.0289495	0.414966	0.0199121	0.566791
0.452737	0.0453727	0.456697	0.0318028	0.4168	0.0209632	0.569126
0.458298	0.0379159	0.447552	0.0321349	0.412803	0.0176571	0.552421
0.452141	0.0390733	0.461108	0.029552	0.409258	0.0178475	0.567158
0.450348	0.040088	0.452107	0.032946	0.406598	0.0178461	0.556756
0.448143	0.0405042	0.457895	0.0322302	0.404858	0.0141529	0.552035
0.448184	0.0371829	0.45114	0.0318616	0.404667	0.0171891	0.575312
0.449343	0.0403175	0.448096	0.0287022	0.404529	0.018679	0.551822
0.444468	0.0399389	0.441572	0.0312753	0.401741	0.0224681	0.54929
0.446561	0.0406305	0.446133	0.0227668	0.406682	0.0187688	0.556181
0.443664	0.0368543	0.440352	0.0247691	0.407912	0.0125779	0.547841
0.441493	0.0387783	0.447146	0.0319876	0.406576	0.0196698	0.560443
0.444125	0.038787	0.453629	0.0347057	0.409913	0.0203471	0.54141
0.446034	0.0386277	0.444677	0.0361365	0.40415	0.0184981	0.544383

0.439256	0.0346763	0.44573	0.0335984	0.402906	0.0135638	0.549983
0.439418	0.0397398	0.443079	0.0292813	0.4	0.0131973	0.539933
0.442186	0.0383895	0.448479	0.0311479	0.406094	0.022215	0.534689
0.442147	0.0398316	0.445609	0.0277698	0.40164	0.0197579	0.530854
0.443759	0.0374421	0.454575	0.027824	0.40047	0.0160269	0.534535
0.443707	0.0363641	0.455173	0.0356867	0.407038	0.0206433	0.518729
0.445572	0.0356468	0.452974	0.0361686	0.398538	0.0143205	0.527501
0.446513	0.0358761	0.450527	0.0331936	0.402223	0.0198894	0.527125
0.442629	0.037845	0.453409	0.0358462	0.399002	0.0191991	0.528463
0.44405	0.0372259	0.462468	0.0353554	0.403671	0.0209461	0.518777
0.447743	0.0367591	0.463156	0.0321281	0.410298	0.0157509	0.533135
0.44916	0.0376382	0.462059	0.029978	0.409772	0.0209279	0.528831
0.446033	0.0377157	0.468595	0.0350907	0.415834	0.0199825	0.521193
0.44691	0.038594	0.466147	0.0282314	0.415295	0.0238987	0.516082
0.448814	0.0361185	0.4618	0.036094	0.413495	0.015086	0.510819
0.447325	0.0360089	0.461151	0.0347651	0.420836	0.0170124	0.51446
0.445778	0.0352165	0.461147	0.0355579	0.416495	0.016722	0.532657
0.446018	0.0339277	0.460744	0.0322535	0.42427	0.0172214	0.508531
0.447087	0.0360519	0.462905	0.03063	0.426901	0.0165026	0.527196
0.447993	0.0376247	0.460953	0.0290026	0.426163	0.0176957	0.510385
0.448411	0.0372974	0.451233	0.0292941	0.428292	0.0200139	0.527835
0.447676	0.0382552	0.458857	0.0266351	0.42715	0.0226283	0.534738
0.444679	0.0356717	0.447216	0.0308956	0.43179	0.0155308	0.531475
0.443684	0.031904	0.445017	0.0297537	0.436677	0.0180693	0.522591
0.448001	0.0357534	0.449031	0.0299489	0.431352	0.0179968	0.537332
0.444882	0.0372949	0.440165	0.0319653	0.430728	0.0239315	0.52641
0.444823	0.040879	0.452021	0.0352505	0.441814	0.0186116	0.527584
0.443141	0.042262	0.45058	0.0320641	0.438549	0.0219439	0.535206
0.440914	0.0371465	0.433055	0.0245267	0.444919	0.0172201	0.535427
0.438151	0.0377812	0.43455	0.0259569	0.440354	0.0158394	0.524137
0.440871	0.0388147	0.438909	0.0271416	0.4431	0.0201687	0.530618
0.434921	0.0420688	0.430862	0.0316588	0.445726	0.0195846	0.526469
0.438576	0.0414251	0.44081	0.0301192	0.442375	0.0188333	0.538802
0.437331	0.0381148	0.429213	0.0298737	0.444257	0.0256246	0.532415
0.435469	0.0439342	0.433507	0.0322583	0.442887	0.0172371	0.524664
0.432138	0.0379136	0.434804	0.0343242	0.440547	0.0173015	0.532001
0.432125	0.0386383	0.420173	0.028211	0.442825	0.0208971	0.530249
0.42998	0.0400728	0.426084	0.0288286	0.435989	0.0211324	0.520471
0.428452	0.0376399	0.416297	0.0204009	0.431914	0.018096	0.526004
0.423692	0.0376557	0.414131	0.0353871	0.422874	0.0190701	0.50621
0.419401	0.0360338	0.415197	0.0322332	0.420474	0.0182175	0.534534
0.42109	0.0338802	0.417213	0.0252988	0.417662	0.0122951	0.526074
0.417031	0.035633	0.41481	0.0205661	0.408779	0.0126309	0.517439
0.417944	0.0381403	0.411228	0.0279494	0.411051	0.0201222	0.503301
0.411195	0.0343786	0.403551	0.0332775	0.400942	0.0147351	0.49242
0.408374	0.0359658	0.406789	0.0263897	0.391774	0.0160697	0.509823
0.401694	0.0335558	0.398097	0.0282741	0.38851	0.0149234	0.484627

0.401475	0.0337123	0.39936	0.0294571	0.384151	0.0193837	0.498425
0.400069	0.0358333	0.400008	0.0241821	0.384807	0.0148081	0.495916
0.395006	0.0350554	0.396981	0.0327569	0.379624	0.0187437	0.473071
0.399485	0.0310641	0.391072	0.0299095	0.368199	0.0184375	0.484358
0.38842	0.0310711	0.395391	0.0279784	0.370146	0.0178655	0.470872
0.388665	0.0316776	0.388369	0.0191231	0.364004	0.0158059	0.469748
0.389497	0.0286036	0.386457	0.0302409	0.363875	0.0142398	0.482686
0.388637	0.0319692	0.390196	0.0221356	0.363519	0.020292	0.470264
0.385268	0.0318821	0.387957	0.0295484	0.360907	0.0182947	0.478936
0.384809	0.0297	0.389876	0.0279417	0.357785	0.0167071	0.474933
0.380645	0.0312553	0.384699	0.0298785	0.356204	0.0143909	0.483068
0.377726	0.0288532	0.383516	0.0260367	0.354213	0.0180597	0.455878
0.375381	0.0330427	0.373106	0.0217247	0.351504	0.0156729	0.459289
0.38131	0.0334375	0.378723	0.0235752	0.34851	0.0192152	0.463278
0.371878	0.0318066	0.37175	0.0162644	0.353525	0.014827	0.459746
0.371836	0.027471	0.375303	0.0246921	0.348863	0.0153023	0.4461
0.37107	0.0318352	0.374814	0.0283775	0.348893	0.0168292	0.463354
0.369067	0.028572	0.370103	0.0262242	0.349793	0.0135764	0.445783
0.365407	0.0302918	0.366164	0.0231011	0.342725	0.0195254	0.448113
0.363814	0.0306469	0.364866	0.0296898	0.342594	0.0140024	0.451382
0.362403	0.0285831	0.363019	0.0209717	0.333897	0.0144009	0.454423
0.36446	0.0304678	0.364666	0.0284044	0.336504	0.017038	0.445679
0.36193	0.0292807	0.360095	0.0247132	0.336044	0.0138537	0.438064
0.360441	0.0317864	0.364268	0.0260682	0.33645	0.0185271	0.455674
0.354516	0.0280529	0.360905	0.0246477	0.331843	0.0147678	0.455143
0.353518	0.0291776	0.353309	0.0300634	0.334024	0.0177825	0.450816
0.355187	0.0280374	0.359639	0.0214211	0.32672	0.0149284	0.44354
0.357599	0.0277567	0.355569	0.019179	0.327954	0.0176358	0.440393
0.350255	0.0278123	0.354969	0.0188604	0.329143	0.0169686	0.425687
0.350793	0.0282517	0.357817	0.0214076	0.324859	0.011571	0.428787
0.349555	0.0265078	0.348366	0.0232475	0.327199	0.0135231	0.429706
0.34921	0.0277458	0.357513	0.0218038	0.327696	0.0158422	0.437475
0.347849	0.0239974	0.350646	0.0254279	0.326269	0.013864	0.438539
0.350157	0.0279	0.348517	0.0260842	0.323946	0.0170505	0.433899
0.346265	0.0268037	0.353033	0.0259264	0.324282	0.0129055	0.437607
0.348417	0.0273073	0.354302	0.0266583	0.327375	0.0169762	0.443514
0.347572	0.0312467	0.350417	0.0201617	0.322353	0.0154777	0.422961
0.345508	0.0290026	0.347677	0.0182801	0.325434	0.018709	0.435805
0.346703	0.0274389	0.346413	0.0213956	0.323016	0.0161187	0.431045
0.345465	0.0271659	0.353314	0.0258247	0.32384	0.0161862	0.43657
0.346967	0.0290584	0.350003	0.0203981	0.324543	0.0165774	0.429246
0.347251	0.0254999	0.355366	0.0237927	0.328706	0.0156096	0.42496
0.349208	0.0275332	0.359108	0.0233109	0.336022	0.0169089	0.441032
0.347396	0.0292956	0.353636	0.0262258	0.334969	0.016741	0.439477
0.350816	0.0277999	0.361711	0.023256	0.337345	0.0149603	0.432867
0.35098	0.0271625	0.364187	0.0292382	0.341803	0.015345	0.440617
0.355974	0.0277914	0.372445	0.0283031	0.347526	0.0186873	0.460382

0.358986	0.0287695	0.371106	0.0279312	0.350389	0.0186788	0.460806
0.369146	0.0278576	0.381592	0.028381	0.360717	0.0155083	0.470588
0.375136	0.0286341	0.396778	0.0320446	0.368679	0.0170051	0.47361
0.380469	0.0276221	0.406476	0.0309305	0.377006	0.0158336	0.481107
0.386173	0.029775	0.405125	0.0329599	0.398271	0.0162245	0.50555
0.391899	0.0310076	0.41799	0.0365811	0.407015	0.0170719	0.509076
0.406601	0.0354212	0.424168	0.04066	0.421487	0.0157775	0.513595
0.413971	0.0353219	0.445936	0.0431036	0.44217	0.0198121	0.544598
0.424543	0.0420321	0.457763	0.0484866	0.459342	0.0261641	0.557364
0.435385	0.0418606	0.468915	0.048262	0.472039	0.0189555	0.559018
0.453747	0.0494724	0.479725	0.0518964	0.492576	0.0189174	0.593498
0.464705	0.0491427	0.494206	0.0631042	0.517385	0.0223507	0.607107
0.476586	0.0535808	0.514799	0.0580688	0.532266	0.0151618	0.611955
0.491543	0.0594796	0.526565	0.0629657	0.553971	0.0222865	0.635754
0.511806	0.0617126	0.540793	0.0758684	0.574643	0.0214618	0.6613
0.521856	0.0658591	0.554153	0.0665572	0.5917	0.0237729	0.672975
0.534537	0.0703352	0.563491	0.0778713	0.613373	0.0285312	0.701737
0.544831	0.0762353	0.576489	0.0681481	0.631762	0.0318014	0.703903
0.555765	0.0762026	0.588484	0.0701704	0.641743	0.0259183	0.706512
0.567474	0.0777174	0.589085	0.0683531	0.656873	0.0313818	0.724015
0.577443	0.0817859	0.588654	0.0671515	0.675727	0.0327963	0.723274
0.586264	0.0809115	0.586271	0.0760226	0.67239	0.026418	0.726437
0.58761	0.0794569	0.58316	0.0690281	0.684147	0.0319127	0.713357
0.585656	0.0809705	0.590378	0.0717178	0.689146	0.0360915	0.725761
0.58912	0.0809518	0.581359	0.077765	0.679632	0.0295235	0.698522
0.586983	0.0827331	0.573979	0.0608476	0.673907	0.0236784	0.727899
0.583656	0.0755819	0.565541	0.0702577	0.663436	0.0301339	0.702997
0.568777	0.0738286	0.548886	0.0577082	0.652603	0.0362848	0.707964
0.563306	0.0712285	0.537688	0.0533707	0.63547	0.0258986	0.671476
0.549657	0.0676246	0.522067	0.0471196	0.615043	0.0280215	0.654165
0.537543	0.056655	0.500567	0.0460074	0.603712	0.0296525	0.624571
0.522302	0.0575515	0.494213	0.0412052	0.579377	0.0272789	0.620182
0.507777	0.0566867	0.473201	0.0422399	0.557557	0.0312242	0.594417
0.489715	0.0533996	0.457416	0.0314412	0.540994	0.0258737	0.569904
0.471478	0.0501328	0.443713	0.0365546	0.514235	0.0273159	0.555993
0.457149	0.0444854	0.425245	0.0299615	0.482806	0.0193363	0.531561
0.439923	0.0430616	0.409666	0.0355294	0.460869	0.0205565	0.505132
0.424962	0.0394851	0.399808	0.0295306	0.447807	0.0238067	0.492208
0.406392	0.0355145	0.382475	0.0234908	0.419298	0.020143	0.470888
0.393275	0.0313148	0.371953	0.0152138	0.399249	0.0172037	0.462291
0.381502	0.0309591	0.361065	0.0246954	0.391015	0.0215668	0.440067
0.371555	0.0285956	0.352008	0.0252994	0.371178	0.0187227	0.430989
0.361755	0.0283096	0.34189	0.0189318	0.353336	0.0228171	0.424402
0.355181	0.0286522	0.34211	0.0303332	0.350046	0.0143282	0.41805
0.342257	0.0286755	0.334003	0.0195048	0.335526	0.0170213	0.402572
0.338714	0.0233063	0.32845	0.0251455	0.330156	0.0175537	0.407153
0.329227	0.028924	0.321969	0.019798	0.315474	0.0154344	0.409577



0.328207	0.0268143	0.323996	0.0252299	0.316726	0.0168537	0.406828
0.324393	0.0257523	0.316517	0.023792	0.311022	0.0168535	0.387461
0.315901	0.0268508	0.315926	0.025141	0.309344	0.0210127	0.390184
0.315175	0.0241217	0.316907	0.0195148	0.304958	0.0104925	0.388948
0.313489	0.0231732	0.310027	0.0230787	0.303111	0.0113705	0.383744
0.311286	0.0261465	0.312031	0.0243748	0.302774	0.0129783	0.3908
0.313456	0.0254801	0.304384	0.0175278	0.295838	0.0147579	0.391398
0.309595	0.0259047	0.313116	0.0224096	0.297754	0.0159275	0.391301
0.307199	0.0259803	0.310749	0.0222453	0.296615	0.0182349	0.376526
0.307574	0.0258205	0.311588	0.02109	0.290512	0.0163451	0.382768
0.308207	0.0252783	0.300284	0.0205372	0.292673	0.0120241	0.375931
0.303097	0.0252834	0.303458	0.0238919	0.289224	0.0145434	0.367125
0.303892	0.0269113	0.298525	0.0225769	0.288329	0.0171424	0.370066
0.298995	0.0240548	0.296751	0.0222386	0.282395	0.0142138	0.370324
0.30351	0.0230952	0.299338	0.0200882	0.282617	0.016611	0.366802
0.300423	0.0257255	0.302361	0.0204555	0.283508	0.0173629	0.363711
0.299076	0.0229595	0.30109	0.0184389	0.285317	0.0177184	0.365954
0.296749	0.0250719	0.296815	0.0206117	0.273842	0.0138342	0.37024
0.297308	0.0232252	0.292637	0.0173581	0.274783	0.013893	0.364688
0.295097	0.0222812	0.296769	0.0223972	0.277553	0.0155967	0.373243
0.2923	0.024874	0.289373	0.0186873	0.276121	0.0155281	0.357431
0.289166	0.0245271	0.292838	0.018996	0.267467	0.0131609	0.368785
0.290942	0.023155	0.293197	0.0224255	0.265498	0.0135769	0.359529
0.288731	0.023577	0.29208	0.0194603	0.265898	0.0141002	0.358981
0.286412	0.0229862	0.29044	0.0166819	0.268474	0.0141549	0.344414
0.287516	0.0213225	0.288178	0.0188223	0.268206	0.0165416	0.355978
0.284331	0.0239364	0.290739	0.0184721	0.26431	0.0148252	0.357948
0.283557	0.0232409	0.283141	0.0232214	0.263489	0.0110044	0.353782
0.282989	0.0211928	0.28579	0.0194251	0.265134	0.0169254	0.355003
0.284751	0.0255233	0.280449	0.0177733	0.258599	0.0136566	0.353974
0.279692	0.0227718	0.280293	0.0210475	0.255546	0.0153423	0.351172
0.27815	0.0221017	0.279489	0.0203061	0.257566	0.0116739	0.358061
0.278423	0.0207999	0.286867	0.0199123	0.258793	0.01149	0.357117
0.27994	0.0226689	0.28008	0.0183879	0.260148	0.0121742	0.353041
0.280626	0.0253013	0.277779	0.018558	0.25552	0.0111247	0.353493
0.277566	0.0198453	0.281663	0.0215032	0.259922	0.0150564	0.360668
0.281966	0.0236646	0.280999	0.024556	0.260046	0.013033	0.345433
0.274559	0.020775	0.277772	0.0209642	0.255709	0.0122067	0.346094
0.278442	0.0223581	0.282026	0.0153962	0.258439	0.010954	0.334144
0.273416	0.0208756	0.283658	0.0242186	0.256848	0.00922117	0.353049
0.276851	0.0207978	0.279639	0.0177952	0.259559	0.0158335	0.34509
0.274383	0.018626	0.275144	0.0229916	0.26185	0.0157154	0.352896
0.275114	0.0211584	0.275533	0.0148286	0.255736	0.0124974	0.361903
0.275897	0.0244391	0.275803	0.02021	0.256361	0.0142218	0.35531
0.276158	0.0212103	0.276887	0.0214737	0.256012	0.0152786	0.350449
0.273623	0.0209088	0.272893	0.0187178	0.260718	0.013051	0.344431
0.271224	0.0223356	0.280602	0.0179683	0.260765	0.0117901	0.343951

0.27233	0.0210216	0.27412	0.0209203	0.257982	0.00934941	0.331298
0.271748	0.0194464	0.271916	0.0162068	0.258131	0.0127139	0.338477
0.272403	0.024004	0.277775	0.0215939	0.255906	0.0144028	0.346172
0.272544	0.0195157	0.276407	0.0205147	0.261936	0.0170737	0.350509
0.269835	0.020706	0.277048	0.0122776	0.263135	0.0103681	0.3455
0.271481	0.0222822	0.271532	0.022029	0.261213	0.0139539	0.347309
0.270782	0.0207057	0.275464	0.0156341	0.255851	0.0109707	0.336806
0.270452	0.0230775	0.272351	0.0195711	0.260729	0.0136486	0.344535
0.269078	0.0179427	0.27476	0.021697	0.259164	0.0139141	0.339272
0.270142	0.0214056	0.269812	0.0193894	0.260187	0.0145563	0.340807
0.272882	0.0205479	0.271753	0.0205855	0.261323	0.0123258	0.341503
0.270145	0.0238305	0.269683	0.0212365	0.260684	0.0108759	0.336682
0.270476	0.019679	0.265316	0.0188411	0.261477	0.0175706	0.330529
0.270793	0.0213706	0.273912	0.0199248	0.258304	0.0148587	0.35035
0.269583	0.0174348	0.27077	0.0159474	0.257504	0.013459	0.333739
0.267251	0.0206949	0.278392	0.0162054	0.259649	0.017781	0.337163
0.269835	0.0190401	0.27059	0.0173784	0.259099	0.0109478	0.346297
0.267768	0.0217936	0.268835	0.0189252	0.260861	0.0170058	0.326312
0.268459	0.0203462	0.272724	0.0154226	0.255313	0.0137512	0.345453
0.26701	0.0206291	0.261665	0.015721	0.251063	0.0169964	0.34336
0.266304	0.0204485	0.261776	0.0168088	0.25469	0.0114121	0.337609
0.266331	0.0190319	0.26068	0.0186471	0.260021	0.0111912	0.338492
0.263384	0.0240523	0.260388	0.0141556	0.249275	0.0120857	0.33932
0.265551	0.0222953	0.26793	0.0224945	0.254666	0.0121221	0.345342
0.263288	0.0200868	0.261265	0.0265667	0.252723	0.0157176	0.336355
0.263719	0.0212301	0.257024	0.0204219	0.251131	0.0117838	0.33458
0.263091	0.0215113	0.265298	0.0155137	0.24986	0.0123298	0.334462
0.261512	0.0179379	0.262517	0.0213234	0.245047	0.0135779	0.328406
0.26107	0.020931	0.261576	0.0195948	0.244202	0.0161001	0.338948
0.259995	0.0161011	0.265807	0.023043	0.24406	0.0139055	0.325044
0.257515	0.0216574	0.266043	0.0183182	0.247227	0.0147327	0.330919
0.259625	0.0222267	0.26003	0.0197557	0.24266	0.0135949	0.330978
0.258292	0.0214667	0.251723	0.0175915	0.24453	0.0139724	0.335887
0.257895	0.0199427	0.259618	0.0207703	0.24406	0.0134211	0.337256
0.255663	0.0196079	0.256709	0.0185247	0.242874	0.0177739	0.335113
0.259214	0.0196657	0.251136	0.0159116	0.241289	0.0109185	0.327719
0.253874	0.0184075	0.259195	0.0183691	0.235618	0.0149047	0.331958
0.256245	0.0220393	0.254895	0.0173708	0.239193	0.0161947	0.335915
0.255998	0.0246763	0.257002	0.0136024	0.241215	0.00991097	0.330656
0.251528	0.0208915	0.259581	0.0184446	0.242797	0.00986263	0.334659
0.254536	0.0211256	0.256159	0.0163115	0.23685	0.014024	0.323421
0.250648	0.0193535	0.249937	0.0185203	0.239852	0.0116542	0.325123
0.253006	0.0194885	0.252428	0.0191627	0.237274	0.0156142	0.309492
0.25205	0.0194539	0.249043	0.018624	0.233996	0.0129199	0.321638
0.250688	0.0187332	0.249677	0.018005	0.233935	0.0160161	0.326289
0.248529	0.0212056	0.252301	0.0171399	0.229808	0.0118027	0.319769
0.250306	0.0182643	0.24949	0.018858	0.23256	0.0108665	0.305782

0.251463	0.0182002	0.253578	0.02015	0.232992	0.0119223	0.313841
0.248709	0.0207648	0.254303	0.0184494	0.237569	0.0125443	0.302673
0.246496	0.0227633	0.251872	0.0175173	0.23309	0.0122934	0.311881
0.249053	0.0206274	0.250921	0.0129434	0.230535	0.0165905	0.309531
0.249388	0.0198743	0.256284	0.0200453	0.227447	0.0114636	0.318276
0.246153	0.0202295	0.25093	0.0167111	0.230494	0.0135953	0.309221
0.247263	0.0161742	0.249256	0.014967	0.232009	0.0105185	0.31135
0.248388	0.0185832	0.249104	0.0189622	0.231216	0.0144359	0.320389
0.248886	0.0192135	0.248567	0.0196055	0.227687	0.0130605	0.316859
0.243966	0.0201	0.24928	0.0152275	0.22827	0.0163027	0.304095
0.245984	0.0198557	0.244103	0.0212808	0.230039	0.0143527	0.316771
0.246619	0.0203059	0.249729	0.0148449	0.226066	0.0130365	0.305995
0.243885	0.0203236	0.249222	0.0162527	0.225548	0.0143107	0.316063
0.244142	0.0191914	0.239958	0.018313	0.228722	0.00963702	0.309687
0.242839	0.0194459	0.242053	0.0174349	0.230675	0.0145003	0.315254
0.2441	0.0204005	0.245141	0.0218096	0.228096	0.0149033	0.306365
0.240792	0.0215489	0.24736	0.0181951	0.225006	0.0113689	0.31909
0.243978	0.0183609	0.240479	0.0160237	0.223869	0.0124561	0.310816
0.242092	0.019896	0.239783	0.0150053	0.221842	0.0146421	0.31096
0.240548	0.0190705	0.239509	0.0157455	0.220865	0.010363	0.307723
0.244732	0.0167889	0.242724	0.0145197	0.228192	0.0129917	0.323991
0.239913	0.0209095	0.246638	0.017768	0.220105	0.0117048	0.312889
0.24167	0.0188752	0.23946	0.0170648	0.226677	0.0085934	0.313757
0.241576	0.0193533	0.241325	0.0183522	0.223923	0.0130422	0.323958
0.24233	0.0196278	0.239015	0.0162932	0.222874	0.0140699	0.320946
0.241414	0.0170615	0.240801	0.0139794	0.223047	0.0128332	0.318251
0.242051	0.017966	0.24389	0.0191691	0.227514	0.0111752	0.311489
0.238251	0.0179771	0.241441	0.0167696	0.222959	0.0137755	0.318998
0.242766	0.0195603	0.245962	0.0166851	0.229751	0.0128231	0.309029
0.23877	0.0168384	0.240097	0.0165497	0.226562	0.0176553	0.313237
0.236963	0.0190499	0.246465	0.0170518	0.228166	0.0127141	0.316989
0.240669	0.0226951	0.243331	0.0190475	0.226343	0.0126649	0.309623
0.241753	0.0201936	0.238283	0.0163493	0.225768	0.0106195	0.325161
0.241546	0.019194	0.244287	0.0173442	0.229309	0.0104908	0.319047
0.2399	0.0191493	0.243007	0.016279	0.224167	0.0134748	0.306999
0.242895	0.0209726	0.247024	0.0166146	0.229621	0.0131704	0.323818
0.242089	0.0226664	0.246012	0.0152845	0.233942	0.0154876	0.312928
0.241252	0.0240997	0.252852	0.0215979	0.234685	0.0126689	0.324029
0.242222	0.0213705	0.250318	0.0175329	0.231926	0.012808	0.323517
0.247175	0.0224903	0.25203	0.0161387	0.236712	0.0114929	0.329103
0.245804	0.0227961	0.250576	0.0147274	0.235166	0.0158787	0.324428
0.244314	0.0223154	0.254492	0.0196384	0.239352	0.0137516	0.336575
0.246509	0.0268868	0.25379	0.0175235	0.237318	0.014859	0.333048
0.247693	0.0251447	0.255917	0.0205671	0.241722	0.0154185	0.334611
0.247657	0.0276929	0.254831	0.0215646	0.240685	0.0140956	0.350017
0.244981	0.0270855	0.249607	0.0143519	0.241218	0.0148036	0.335902
0.251571	0.0234811	0.256378	0.0187581	0.242351	0.0106048	0.325902

0.250008	0.0259477	0.255064	0.0199358	0.241341	0.0129963	0.326483
0.249892	0.0231455	0.253806	0.0248881	0.241948	0.0130385	0.330562
0.252571	0.0271395	0.258383	0.0172118	0.242545	0.014866	0.336719
0.249921	0.0238468	0.252601	0.0164026	0.248246	0.0101076	0.334478
0.250331	0.0230793	0.253388	0.0131723	0.246107	0.0131547	0.338109
0.252099	0.0255735	0.256048	0.0193946	0.250777	0.0128171	0.319648
0.252742	0.0231047	0.258311	0.0141232	0.247431	0.0131083	0.34208
0.255258	0.0268187	0.260147	0.0201097	0.253413	0.0105149	0.333944
0.256351	0.0241326	0.263836	0.0191044	0.250032	0.0135433	0.326671
0.255943	0.0236602	0.259487	0.0158847	0.252223	0.0129857	0.332019
0.25743	0.0245884	0.260871	0.0186991	0.252298	0.0143453	0.343343
0.257249	0.0188523	0.262819	0.0202098	0.249627	0.0137455	0.329618
0.255477	0.0198979	0.270161	0.0183526	0.25412	0.0140129	0.341155
0.258344	0.0222658	0.260238	0.0192801	0.257667	0.016199	0.336944
0.261828	0.0220842	0.268572	0.0220231	0.25681	0.0158564	0.339102
0.26102	0.0225969	0.266673	0.0191169	0.261477	0.0124781	0.34365
0.260155	0.0207476	0.267656	0.0208556	0.257788	0.014514	0.3456
0.266038	0.0221664	0.265785	0.0213336	0.261365	0.0158476	0.346393
0.267019	0.0202618	0.266245	0.0210613	0.268302	0.0147805	0.341154
0.267779	0.0209159	0.274791	0.0252935	0.263527	0.018795	0.334057
0.267781	0.0214809	0.271457	0.0202732	0.268973	0.0157109	0.354107
0.26875	0.0235524	0.275352	0.0191334	0.266185	0.0132741	0.336843
0.270464	0.0223235	0.26787	0.0245271	0.26971	0.0147169	0.35018
0.271061	0.0223944	0.267733	0.0196004	0.266688	0.0146543	0.344728
0.271638	0.0236215	0.268184	0.0234804	0.267068	0.0120918	0.351041
0.269486	0.0227742	0.26969	0.017459	0.265482	0.0125264	0.340079
0.27286	0.0259272	0.272632	0.0183165	0.260571	0.0130128	0.331753
0.272538	0.0209632	0.268195	0.0205682	0.26332	0.0141657	0.337056
0.269521	0.022658	0.26556	0.0218682	0.262707	0.0159349	0.330528
0.265391	0.0218144	0.267707	0.0214511	0.258521	0.0112296	0.327129
0.267954	0.0224864	0.262487	0.018865	0.256265	0.0150678	0.316782
0.266939	0.0226194	0.259656	0.0222046	0.254925	0.0134471	0.333422
0.268981	0.017304	0.259591	0.0166557	0.252805	0.0116476	0.328058
0.262768	0.0193443	0.257709	0.0265198	0.25351	0.0135655	0.319768
0.259154	0.0229892	0.257516	0.0196323	0.246149	0.0113043	0.327053
0.260949	0.0222363	0.255739	0.0195419	0.251416	0.0133039	0.316702
0.25776	0.0205417	0.257054	0.0167733	0.247845	0.012272	0.311872
0.254859	0.021891	0.255497	0.0199886	0.239172	0.0115766	0.298045
0.253505	0.0203552	0.255124	0.0195213	0.241168	0.0106515	0.309436
0.254621	0.0194292	0.254615	0.0173472	0.240706	0.0126877	0.307795
0.25249	0.0216788	0.251867	0.0225492	0.243037	0.0104659	0.314546
0.252046	0.0193311	0.25302	0.0170564	0.238423	0.0141793	0.303471
0.252147	0.018876	0.247917	0.0168012	0.233707	0.0164485	0.308355
0.248933	0.0185569	0.250714	0.0199517	0.236393	0.0139696	0.303482
0.253845	0.0159292	0.249856	0.0166009	0.233377	0.0136561	0.292654
0.251139	0.0161398	0.252335	0.0123594	0.237451	0.0116811	0.311322
0.249853	0.0179097	0.2513	0.0165841	0.237987	0.0126542	0.307467

0.249025	0.0164395	0.249536	0.0167244	0.235949	0.0145444	0.299223
0.252548	0.0198259	0.254759	0.0205105	0.237248	0.012908	0.309331
0.252831	0.018713	0.257525	0.0154323	0.236615	0.00991837	0.298056
0.255291	0.0195176	0.256507	0.020142	0.241656	0.0139047	0.291896
0.252353	0.0165294	0.257268	0.0178659	0.239308	0.0163823	0.303195
0.251937	0.0191557	0.255553	0.0180463	0.244697	0.0146415	0.310598
0.251873	0.0207293	0.256795	0.0177784	0.240976	0.0134199	0.300678
0.252263	0.0208261	0.25925	0.0189469	0.247129	0.0129592	0.311644
0.258079	0.0166328	0.258986	0.0219466	0.245406	0.0119765	0.305946
0.254085	0.0185682	0.256075	0.0148886	0.247387	0.0175978	0.303451
0.253126	0.0185076	0.256075	0.0202035	0.242464	0.0150191	0.309253
0.254903	0.0225748	0.258635	0.0192246	0.245912	0.0149196	0.307295
0.256273	0.017863	0.256115	0.0153183	0.246749	0.0142435	0.313538
0.258393	0.0190977	0.260923	0.0188947	0.247973	0.010754	0.318148
0.261111	0.018439	0.265182	0.0205123	0.246762	0.0115915	0.31732
0.257666	0.0196063	0.260926	0.0221442	0.247753	0.0151198	0.312263
0.264595	0.0217965	0.261877	0.011037	0.251967	0.011825	0.312608
0.260472	0.0244301	0.260859	0.0208183	0.253035	0.012847	0.303665
0.26167	0.0206866	0.25995	0.0165057	0.252773	0.0157579	0.30616
0.264825	0.0204195	0.262575	0.0191238	0.251524	0.0105994	0.303651
0.263051	0.0200883	0.266499	0.0168837	0.257151	0.0158074	0.309745
0.264069	0.0221799	0.266911	0.0175426	0.24949	0.0143336	0.31594
0.26511	0.0202823	0.264232	0.0196532	0.255878	0.0129313	0.31094
0.267197	0.0187056	0.268831	0.0151321	0.257619	0.0141202	0.31066
0.270144	0.0206941	0.274288	0.0172473	0.253901	0.0157259	0.316517
0.268773	0.0216954	0.271761	0.0153745	0.259944	0.0136107	0.310459
0.268571	0.0198878	0.27472	0.0171145	0.263356	0.0130558	0.315395
0.273234	0.0188722	0.276043	0.0217503	0.261851	0.012495	0.300027
0.274231	0.0182641	0.275298	0.0194158	0.265964	0.0165959	0.325597
0.276139	0.0200633	0.27659	0.0215965	0.262218	0.0148951	0.318926
0.278938	0.0213483	0.279104	0.0213919	0.266599	0.0131159	0.319211
0.279483	0.0181982	0.27651	0.0134142	0.269312	0.0108876	0.331506
0.279414	0.0182487	0.285527	0.0182795	0.269264	0.0158174	0.318617
0.281158	0.018505	0.287448	0.0195663	0.273643	0.0114633	0.329573
0.285469	0.0186154	0.288939	0.0200272	0.278145	0.0145442	0.329574
0.288672	0.0185489	0.290449	0.0193032	0.278011	0.0139262	0.327839
0.29118	0.0221315	0.293782	0.0192664	0.284767	0.0118785	0.333681
0.292188	0.0226427	0.295712	0.0223447	0.282282	0.011905	0.325146
0.294505	0.0203038	0.300121	0.0206755	0.285985	0.0137477	0.342654
0.293566	0.0209393	0.303414	0.0194929	0.281008	0.0175788	0.338996
0.297534	0.0166629	0.304867	0.0205022	0.292217	0.0148348	0.346029
0.300455	0.0213895	0.307159	0.0182492	0.303584	0.0158216	0.346311
0.304243	0.0189451	0.311678	0.0165537	0.2971	0.0128455	0.351917
0.305326	0.0197182	0.31077	0.0210675	0.302513	0.0149744	0.345724
0.309887	0.0216058	0.312151	0.0202877	0.307319	0.018011	0.344396
0.312048	0.0218274	0.32455	0.0162842	0.311035	0.0104974	0.355931
0.315995	0.0196804	0.324464	0.0193158	0.313614	0.0129968	0.365586

0.322401	0.0189547	0.328647	0.019343	0.319728	0.0146505	0.344061
0.322496	0.0212055	0.334587	0.017437	0.327856	0.0139217	0.3666
0.330632	0.0196879	0.341166	0.0193546	0.326911	0.0145971	0.368865
0.329745	0.0198719	0.334387	0.0219895	0.334797	0.0148965	0.3727
0.341503	0.0236771	0.344126	0.0169604	0.341305	0.0153693	0.36944
0.344811	0.0230978	0.351596	0.0253277	0.343831	0.0155535	0.37076
0.347607	0.0206893	0.362356	0.0202448	0.359843	0.0161063	0.392019
0.351906	0.0216859	0.368949	0.021168	0.358847	0.0241575	0.389321
0.356593	0.0238197	0.376103	0.0249576	0.374329	0.0184786	0.391758
0.367299	0.0212957	0.373629	0.0168554	0.378843	0.016309	0.382292
0.371058	0.0217055	0.3821	0.0190488	0.382375	0.016032	0.390263
0.382511	0.0202653	0.393662	0.0270993	0.391795	0.0131222	0.405344
0.38704	0.0237636	0.399597	0.018787	0.401832	0.0208458	0.415503
0.394257	0.024591	0.412057	0.0225585	0.417209	0.0177888	0.440509
0.401963	0.0243175	0.425042	0.0268172	0.427746	0.0202967	0.433404
0.41468	0.0239572	0.425175	0.0218068	0.434242	0.0217048	0.430772
0.420292	0.0224679	0.431904	0.0230492	0.453694	0.018051	0.437694
0.43303	0.0270287	0.451444	0.0257424	0.458096	0.018933	0.448171
0.444213	0.0226441	0.45954	0.0195778	0.47171	0.020557	0.448803
0.451826	0.0258365	0.465541	0.0195421	0.48069	0.0235713	0.46984
0.465081	0.0246095	0.486913	0.0247774	0.503254	0.0207355	0.478013
0.474963	0.0222392	0.496331	0.0241229	0.509344	0.0199169	0.491279
0.487332	0.025502	0.505245	0.0237538	0.528877	0.018907	0.500347
0.499277	0.0260887	0.524045	0.0227386	0.543634	0.0200675	0.510165
0.513245	0.0220213	0.542483	0.0245725	0.562452	0.0222842	0.50458
0.525005	0.0251323	0.558073	0.0225456	0.570826	0.0165235	0.514434
0.540221	0.0265003	0.558459	0.024943	0.591267	0.0208055	0.551466
0.556755	0.0262625	0.591097	0.0265439	0.605661	0.0253969	0.53799
0.570366	0.028522	0.594685	0.0303151	0.622564	0.0239715	0.541721
0.585289	0.0279042	0.617288	0.0175908	0.643001	0.0265125	0.579883
0.59922	0.0301049	0.639387	0.0212707	0.654574	0.0264548	0.58198
0.620139	0.0291919	0.644425	0.0286708	0.672716	0.0202292	0.598639
0.632026	0.030376	0.665703	0.0228046	0.692206	0.0166971	0.596296
0.647774	0.0312636	0.6803	0.0306381	0.707317	0.0206571	0.620647
0.661859	0.0262497	0.695472	0.0302066	0.721745	0.0240791	0.637122
0.678294	0.0315979	0.701715	0.0266521	0.74038	0.0260881	0.648112
0.695027	0.0272985	0.728148	0.0363027	0.752107	0.0212028	0.651535
0.714537	0.0302504	0.746214	0.0210226	0.782806	0.0221272	0.666351
0.72687	0.0358867	0.76443	0.0286046	0.788835	0.0300879	0.679241
0.74464	0.0329808	0.775273	0.0301175	0.817467	0.0256139	0.689324
0.765413	0.0329589	0.793387	0.0265463	0.827224	0.0255009	0.695261
0.776516	0.034469	0.804558	0.0303222	0.841719	0.0309188	0.724238
0.789633	0.0335298	0.81668	0.0244764	0.855422	0.0270313	0.723409
0.806584	0.0328269	0.838846	0.0303673	0.863762	0.0292946	0.74356
0.822753	0.0342329	0.843953	0.0305898	0.879883	0.0303741	0.739605
0.841144	0.0310525	0.859676	0.027155	0.894282	0.021986	0.742947
0.851784	0.0315948	0.874343	0.0254948	0.911158	0.0306164	0.766735

0.865463	0.0325401	0.894189	0.0379775	0.917468	0.024621	0.774827
0.875264	0.0350821	0.897684	0.0394417	0.927549	0.0216385	0.773016
0.89137	0.034832	0.90525	0.0284221	0.935135	0.0267759	0.795449
0.89786	0.0334404	0.921731	0.0401188	0.930089	0.0282339	0.795953
0.907989	0.0281971	0.92676	0.0311428	0.951941	0.0291146	0.824272
0.919662	0.0361628	0.926131	0.0401681	0.961426	0.027854	0.826801
0.924247	0.0364583	0.940907	0.0338074	0.959757	0.029191	0.829475
0.929783	0.0344865	0.939835	0.0305851	0.967559	0.0199547	0.832529
0.933497	0.0316707	0.948476	0.0369252	0.963502	0.0236022	0.85217
0.941957	0.0347977	0.952949	0.036814	0.96873	0.0244649	0.845742
0.947601	0.0346026	0.956301	0.0311772	0.967145	0.0250172	0.850407
0.947307	0.0298364	0.948333	0.0406847	0.953022	0.0319778	0.868806
0.954921	0.0316146	0.965795	0.0272638	0.9638	0.0262456	0.881659
0.953854	0.0355495	0.956302	0.0336316	0.955216	0.0288643	0.873993
0.954713	0.0321229	0.953957	0.0332246	0.949406	0.0272166	0.878795
0.946021	0.033541	0.950893	0.0328395	0.951729	0.0271549	0.889599
0.938327	0.0360917	0.941494	0.0276489	0.934739	0.0272295	0.884116
0.938705	0.0347615	0.933506	0.0318147	0.934796	0.0283444	0.891177
0.938308	0.0346398	0.930504	0.0297254	0.922923	0.0307706	0.900298
0.927156	0.0363764	0.92206	0.033863	0.908957	0.0273958	0.905223
0.923768	0.0316868	0.910546	0.0351635	0.895107	0.0279129	0.90233
0.920656	0.0375168	0.898423	0.0341396	0.876041	0.0271332	0.91527
0.901714	0.0351604	0.886075	0.0313758	0.864285	0.027928	0.892902
0.896334	0.0349893	0.885484	0.0323233	0.860319	0.0302198	0.907426
0.883857	0.0333975	0.867651	0.0339184	0.844861	0.0236658	0.902206
0.876555	0.0327102	0.850575	0.0301315	0.820688	0.0277322	0.891177
0.862799	0.0347948	0.844478	0.0387539	0.802419	0.021734	0.894094
0.84386	0.0332224	0.825184	0.0297723	0.793972	0.0267491	0.910327
0.836079	0.0388406	0.810516	0.0285787	0.771204	0.0260231	0.879467
0.823555	0.0307893	0.803445	0.0251958	0.755328	0.0261474	0.867001
0.806464	0.0340701	0.776573	0.0299291	0.740027	0.0235432	0.871759
0.785427	0.03798	0.773373	0.0290228	0.719495	0.024949	0.861737
0.768556	0.0328597	0.743431	0.0304555	0.706509	0.0259197	0.850744
0.759876	0.0326164	0.728435	0.024645	0.682654	0.0218836	0.819658
0.741223	0.0319877	0.706083	0.0290139	0.659962	0.017507	0.836369
0.725023	0.0325695	0.694365	0.0251753	0.649345	0.0223821	0.813577
0.704589	0.0296819	0.673586	0.0253742	0.629123	0.0238431	0.808563
0.688292	0.0312848	0.655165	0.0225838	0.610157	0.0277509	0.788899
0.667866	0.0293814	0.642017	0.0277181	0.59974	0.0242178	0.76045
0.658667	0.0350867	0.631687	0.0200558	0.578914	0.0219269	0.740352
0.639084	0.030987	0.597062	0.0249929	0.56302	0.0222141	0.705057
0.619575	0.0282167	0.579906	0.0297153	0.541777	0.0228326	0.697487
0.606965	0.0319889	0.574755	0.0213591	0.527519	0.0189671	0.66689
0.585553	0.0327679	0.556904	0.0259151	0.507079	0.0241988	0.648434
0.573779	0.0265435	0.540366	0.0276016	0.496136	0.0177872	0.62875
0.554929	0.0291507	0.526021	0.0266893	0.472435	0.0196936	0.622544
0.539613	0.0297695	0.514344	0.0279486	0.468209	0.0232798	0.588399

0.519337	0.0296895	0.494356	0.0270112	0.454205	0.0187359	0.574432
0.510709	0.0270657	0.48496	0.0227396	0.437126	0.0194244	0.558717
0.498991	0.028809	0.476734	0.020807	0.424165	0.0167827	0.53179
0.478735	0.0296366	0.453007	0.0285272	0.411657	0.0183361	0.52463
0.469461	0.0247595	0.440991	0.0234478	0.395801	0.0148318	0.495064
0.454628	0.0283711	0.43437	0.0201006	0.392233	0.0123143	0.484339
0.440259	0.026572	0.422172	0.017471	0.378769	0.0170953	0.475085
0.428599	0.0268449	0.409621	0.0267353	0.365347	0.0161878	0.447431
0.414444	0.0209805	0.394251	0.0199	0.357783	0.0168658	0.442534
0.408827	0.0265715	0.389489	0.0199475	0.345334	0.0157748	0.434324
0.39428	0.0260292	0.380105	0.0238093	0.338486	0.016373	0.412674
0.385188	0.0224988	0.369911	0.0209516	0.329135	0.0144613	0.407943
0.374183	0.0242303	0.357356	0.0226074	0.324084	0.0183182	0.413909
0.366746	0.023162	0.349036	0.0165927	0.316217	0.016353	0.398871
0.35454	0.0224336	0.341579	0.0234899	0.308416	0.0133923	0.371687
0.351319	0.0200522	0.333537	0.0181249	0.297677	0.0134822	0.37356
0.340472	0.0207968	0.327593	0.0194635	0.298884	0.0150595	0.369481
0.333976	0.0235745	0.314819	0.0198322	0.284394	0.0132749	0.350979
0.325558	0.0195544	0.316047	0.0199201	0.284192	0.0159167	0.358251
0.314044	0.0193497	0.298715	0.0162566	0.272769	0.0142717	0.35808
0.312812	0.0218994	0.290498	0.0191574	0.267813	0.0147484	0.340242
0.305617	0.0215518	0.284665	0.01742	0.267649	0.0116553	0.340812
0.293526	0.0209484	0.283053	0.0145006	0.263085	0.01183	0.328661
0.292658	0.0215426	0.279885	0.014526	0.257159	0.012118	0.331536
0.287913	0.0161515	0.273956	0.0223633	0.254094	0.0144669	0.312722
0.280134	0.0215614	0.270118	0.0234124	0.248718	0.0125288	0.307532
0.274834	0.0207211	0.263855	0.0149604	0.243831	0.0148843	0.320321
0.269115	0.018943	0.261307	0.0167382	0.24132	0.0102792	0.301661
0.263996	0.0212707	0.25119	0.0174653	0.240327	0.0117913	0.30079
0.259318	0.0198921	0.247881	0.015279	0.226652	0.0080209	0.308737
0.253119	0.0199672	0.24268	0.0171696	0.228584	0.0139423	0.291798
0.247208	0.0201169	0.239642	0.0169694	0.223156	0.0135666	0.298016
0.241851	0.0203895	0.23095	0.018758	0.220553	0.0108394	0.290064
0.24113	0.0189432	0.229886	0.0124592	0.21909	0.0145042	0.294277
0.233949	0.018586	0.229556	0.0165456	0.215285	0.0140299	0.281975
0.231749	0.0197656	0.220429	0.0214143	0.20883	0.011679	0.274241
0.227022	0.0170633	0.217865	0.0140195	0.211607	0.014491	0.282741
0.222098	0.017143	0.218872	0.0157955	0.203375	0.0118938	0.284983
0.219065	0.015641	0.211248	0.0172965	0.20253	0.0122299	0.270667
0.21135	0.0161552	0.212339	0.0122309	0.200249	0.0132644	0.289946
0.210463	0.0152144	0.207178	0.0151919	0.196024	0.0137027	0.289967
0.206925	0.0182444	0.201294	0.0145458	0.190694	0.0128149	0.281494
0.203669	0.0170069	0.198961	0.0184978	0.187399	0.0106001	0.294852
0.201121	0.0170341	0.197373	0.0135829	0.183807	0.0106938	0.277735
0.197029	0.016028	0.196577	0.017063	0.184258	0.0107909	0.290293
0.195624	0.0145396	0.190536	0.0153441	0.182349	0.00899204	0.28485
0.19469	0.0160783	0.188772	0.0137414	0.176579	0.0108333	0.288522



0.190229	0.0164782	0.186398	0.0137703	0.180187	0.0119627	0.289413
0.189797	0.0170903	0.185369	0.0176812	0.178047	0.0129813	0.282079
0.185415	0.0151045	0.18535	0.0176004	0.176437	0.0107589	0.299605
0.188423	0.0163761	0.189512	0.0115211	0.175167	0.00855991	0.296005
0.184042	0.0148513	0.194854	0.0164561	0.171708	0.0128839	0.296044
0.187148	0.0170777	0.192042	0.0159669	0.173535	0.0101539	0.300791
0.184448	0.0154713	0.200598	0.0155887	0.17028	0.0109145	0.304163
0.18333	0.0155769	0.198472	0.0159787	0.174616	0.0143748	0.310073
0.190341	0.0192335	0.199134	0.019688	0.174707	0.011485	0.320992
0.192043	0.016992	0.211422	0.0137863	0.181251	0.0124467	0.330293
0.198356	0.0219237	0.215727	0.0204123	0.180838	0.0101474	0.339803
0.199474	0.0179701	0.226831	0.0256388	0.189136	0.00945993	0.353321
0.207473	0.0203754	0.236468	0.0214887	0.192334	0.0100439	0.379948
0.213718	0.0219681	0.246516	0.0231266	0.203912	0.0145602	0.385529
0.223958	0.0218934	0.255307	0.0270988	0.206801	0.009867	0.404385
0.235642	0.0229086	0.27826	0.0214218	0.218899	0.0132573	0.433588
0.241368	0.0233329	0.289123	0.0219221	0.225116	0.0153914	0.462164
0.256712	0.0268666	0.311595	0.0286566	0.240791	0.0152889	0.498664
0.272946	0.03357	0.333205	0.036909	0.249073	0.0134413	0.526158
0.29342	0.0339954	0.349694	0.0325025	0.263	0.01866	0.55789
0.307754	0.0343822	0.370307	0.0373491	0.277202	0.0175174	0.600128
0.324393	0.0304907	0.401829	0.0397664	0.295493	0.0121085	0.64042
0.347023	0.0387142	0.419372	0.0440708	0.307301	0.0184157	0.708125
0.366519	0.048655	0.445215	0.0440767	0.326556	0.0141577	0.738874
0.392654	0.0497997	0.461542	0.0524005	0.336524	0.021419	0.776923
0.413602	0.0475914	0.485675	0.0568858	0.357804	0.0157467	0.842352
0.431078	0.0502186	0.512192	0.0564348	0.376902	0.0195132	0.872137
0.459438	0.0617185	0.530558	0.0588019	0.392693	0.018354	0.914993
0.482968	0.0613779	0.552928	0.0620198	0.41471	0.0209146	0.956749
0.501597	0.0617201	0.57377	0.0709712	0.425071	0.0187971	1.01615
0.523293	0.0605718	0.600875	0.061017	0.43768	0.024792	1.07953
0.549587	0.0715152	0.625932	0.0704187	0.456084	0.0206363	1.09864
0.564872	0.0730411	0.637022	0.0740886	0.471954	0.0240183	1.13166
0.591932	0.0761344	0.645604	0.0652037	0.482551	0.0231195	1.19049
0.60553	0.0753933	0.671366	0.0737202	0.494653	0.017657	1.20697
0.624263	0.0785491	0.679182	0.0843268	0.499058	0.0191195	1.25253
0.638719	0.0874475	0.693704	0.0762112	0.519804	0.0180128	1.2656
0.645857	0.0849936	0.693299	0.0817989	0.523865	0.0205641	1.31298
0.660579	0.0855712	0.689641	0.0715775	0.530098	0.0210934	1.28799
0.673719	0.0870461	0.687451	0.0746154	0.528843	0.0209327	1.29374
0.678218	0.0864738	0.694993	0.0917725	0.531904	0.0172651	1.32219
0.678603	0.0901956	0.677514	0.0641346	0.526589	0.02202	1.27718
0.680099	0.0849619	0.671481	0.076633	0.525173	0.0181738	1.28363
0.676225	0.0915346	0.670008	0.0746842	0.515504	0.0255059	1.26805
0.659845	0.0845131	0.635146	0.0639704	0.499653	0.0235768	1.23331
0.654834	0.0900173	0.613488	0.0685828	0.491009	0.0232158	1.18864
0.640969	0.0906144	0.587578	0.0653042	0.479914	0.0171441	1.16398

0.623423	0.0974956	0.56221	0.0566241	0.466791	0.0232728	1.09986
0.595721	0.0760391	0.539551	0.0656734	0.444417	0.0267321	1.04062
0.570754	0.0770756	0.512363	0.0589665	0.41812	0.0209443	1.00589
0.543605	0.0800625	0.472536	0.0539325	0.397403	0.0160808	0.937743
0.517655	0.0691244	0.436814	0.0518452	0.379754	0.0161136	0.892747
0.486319	0.0684888	0.405946	0.0485934	0.352435	0.0168641	0.807136
0.460364	0.0551941	0.380926	0.0433355	0.328061	0.0151431	0.753108
0.427574	0.0541027	0.350903	0.0371334	0.311098	0.0145673	0.699886
0.395753	0.0525673	0.313946	0.0325805	0.282099	0.0167015	0.651188
0.365623	0.0494382	0.294427	0.0368234	0.265727	0.0148407	0.581909
0.334039	0.038628	0.268049	0.0349519	0.239611	0.0115253	0.524715
0.310458	0.0396597	0.24503	0.0271148	0.223408	0.0146582	0.460552
0.283082	0.0369391	0.229076	0.0276106	0.211032	0.013924	0.431263
0.257979	0.0328493	0.204773	0.0259694	0.191978	0.0102878	0.398806
0.239092	0.032314	0.187881	0.0159819	0.180399	0.0117804	0.354746
0.21877	0.02823	0.180295	0.0254973	0.170258	0.0112147	0.31477
0.199855	0.023227	0.167797	0.0160554	0.158761	0.0107385	0.296285
0.183308	0.0229314	0.157847	0.0181694	0.148132	0.008828	0.266233
0.174477	0.0230966	0.144992	0.0148585	0.139917	0.0100364	0.251682
0.163038	0.0192025	0.139349	0.0153584	0.137897	0.00750698	0.240008
0.151692	0.0204451	0.134025	0.0140838	0.129973	0.0097802	0.226888
0.145093	0.0163941	0.127988	0.0124497	0.125196	0.00928703	0.213403
0.139195	0.0189691	0.126993	0.0118024	0.119386	0.00911401	0.201708
0.13065	0.0140711	0.12502	0.0139651	0.120359	0.0113471	0.189462
0.128649	0.0159062	0.122477	0.0115524	0.121071	0.00768478	0.191041
0.124572	0.0139756	0.116421	0.0107779	0.116245	0.00964147	0.181853
0.122325	0.0153868	0.113045	0.0117456	0.11227	0.00950028	0.1787
0.119906	0.013354	0.119499	0.0134584	0.112786	0.00899454	0.169678
0.1173	0.013272	0.117738	0.0124982	0.11224	0.00985398	0.179615
0.116113	0.0143102	0.114644	0.0104714	0.111676	0.0112589	0.166976
0.115252	0.0127595	0.11949	0.0123551	0.112859	0.00898895	0.162673
0.11507	0.0137879	0.115628	0.0123007	0.111511	0.00853906	0.162909
0.116144	0.0134696	0.111161	0.0115936	0.109335	0.0105326	0.161114
0.112622	0.0122366	0.114557	0.012062	0.11073	0.00761779	0.156315
0.115475	0.011998	0.11537	0.0143539	0.110709	0.00820042	0.149447
0.113941	0.0118714	0.113759	0.0126852	0.111451	0.00908741	0.159289
0.11375	0.0128454	0.115878	0.0161959	0.112363	0.0106027	0.161113
0.116157	0.0129152	0.117864	0.0095703	0.112533	0.0097241	0.151005
0.114423	0.0119411	0.117962	0.0130394	0.115973	0.00742504	0.155367
0.116063	0.0122881	0.118699	0.0147603	0.111351	0.00801164	0.151179
0.117356	0.0126546	0.116455	0.013001	0.112465	0.00626227	0.15099
0.118171	0.0122658	0.117199	0.00999868	0.115852	0.00920016	0.148608
0.118309	0.013035	0.118403	0.0126529	0.116381	0.00747057	0.153271
0.11512	0.0129173	0.116911	0.0116672	0.114499	0.00825664	0.148804
0.119325	0.0126728	0.115186	0.0130972	0.116902	0.00834933	0.155221
0.119245	0.0136971	0.116236	0.0130681	0.116792	0.0107288	0.149554
0.116671	0.0112578	0.121118	0.0126381	0.11669	0.00833264	0.15104

0.119664	0.0142356	0.119406	0.0114989	0.118334	0.00799637	0.142269
0.119763	0.0110782	0.121059	0.0129529	0.120062	0.00855003	0.147912
0.119522	0.0119959	0.12556	0.0107001	0.119952	0.00805147	0.150607
0.123118	0.0121898	0.12268	0.0149585	0.120696	0.00893863	0.150098
0.123268	0.0124314	0.125319	0.0117904	0.121825	0.00992392	0.145599
0.12686	0.0140353	0.131911	0.013575	0.125968	0.0104449	0.149271
0.125704	0.0126282	0.128954	0.011646	0.127894	0.0111466	0.146207
0.123556	0.0131579	0.133899	0.0150805	0.127585	0.00892522	0.154732
0.128843	0.0139357	0.134126	0.0119092	0.126093	0.0106256	0.154176
0.129797	0.0129211	0.131537	0.0109294	0.129879	0.0106193	0.150355
0.130465	0.0115365	0.134457	0.0119196	0.13128	0.00853928	0.15331
0.131077	0.0130072	0.134958	0.0152801	0.133015	0.00898211	0.15843
0.134745	0.0135511	0.134534	0.011851	0.135017	0.0108925	0.154184
0.131281	0.0119629	0.135285	0.0145822	0.137144	0.0117821	0.153067
0.134657	0.0145226	0.140407	0.0121281	0.140074	0.00954814	0.152042
0.136694	0.0124812	0.137638	0.0101792	0.138872	0.00956613	0.155261
0.136471	0.0129786	0.14438	0.0143844	0.141546	0.00976785	0.158635
0.138883	0.0117745	0.144458	0.0119797	0.13917	0.00978675	0.159652
0.142152	0.0136392	0.142396	0.0120494	0.144723	0.00937127	0.15631
0.141137	0.0132362	0.144791	0.0128454	0.143478	0.00857167	0.160901
0.142066	0.0125946	0.149694	0.0151822	0.148972	0.00836343	0.156739
0.145587	0.0129048	0.15198	0.0140668	0.147402	0.0101437	0.160881
0.146445	0.0136061	0.15065	0.0122329	0.149141	0.0121304	0.171541
0.147491	0.0127335	0.153143	0.0120528	0.15354	0.0120383	0.161166
0.149338	0.0138244	0.157278	0.0132148	0.154635	0.0114896	0.163658
0.151166	0.0141718	0.155228	0.0141783	0.154523	0.00981945	0.160297
0.152406	0.0141078	0.160557	0.0119961	0.158626	0.0119239	0.165805
0.15632	0.0144533	0.156118	0.0134256	0.160641	0.00787009	0.172904

	SB Ru		SB Rc		SB Rb	
std	mean	std	mean	std	mean	std
0.160022	0.414779	0.0396361	0.246999	0.0355575	0.219046	0.0237054
0.16577	0.41935	0.0391818	0.251183	0.0463229	0.225464	0.0283012
0.206033	0.419251	0.0398095	0.245345	0.0365502	0.221423	0.0219308
0.171586	0.413871	0.0383521	0.240785	0.0426016	0.224599	0.0212836
0.184532	0.410389	0.0365561	0.24347	0.0388571	0.220209	0.0197176
0.148431	0.412056	0.0378681	0.243633	0.0405405	0.22251	0.0259831
0.193611	0.40759	0.0379245	0.237773	0.0406711	0.221521	0.0184433
0.168888	0.401381	0.0338912	0.240675	0.038309	0.225026	0.0203709
0.176389	0.406426	0.0372156	0.238894	0.0358067	0.218111	0.0201055
0.172527	0.397683	0.0326627	0.239532	0.0384017	0.220209	0.02481
0.190425	0.405531	0.0430814	0.233267	0.0429858	0.219208	0.0241948
0.161995	0.403367	0.0388538	0.23921	0.0430773	0.213844	0.0229495
0.162602	0.395222	0.0368999	0.236391	0.0400993	0.216479	0.0237501
0.186156	0.398615	0.0313438	0.236967	0.0424654	0.217257	0.019222
0.186654	0.402177	0.0366532	0.23957	0.0386176	0.21929	0.0234442
0.194399	0.408318	0.0342755	0.241328	0.0416089	0.216931	0.0225813
0.187099	0.419174	0.0373018	0.237714	0.0439192	0.219767	0.0292699
0.16485	0.430185	0.0332631	0.245069	0.0426619	0.223269	0.0236013
0.179337	0.447275	0.036634	0.243699	0.0383746	0.228212	0.0186804
0.159489	0.480381	0.0358655	0.245426	0.0437852	0.237251	0.0235309
0.165406	0.50984	0.0422821	0.247269	0.04035	0.243977	0.025029
0.197574	0.537378	0.0449791	0.258171	0.0456306	0.249737	0.0264067
0.185353	0.561891	0.0495212	0.262633	0.0449508	0.255356	0.0313032
0.17414	0.589192	0.0498859	0.263091	0.0436256	0.266288	0.0261491
0.163043	0.602898	0.0550131	0.268014	0.0404423	0.269325	0.0296341
0.162079	0.605333	0.0491874	0.270719	0.0487615	0.275542	0.0308929
0.15601	0.599334	0.046535	0.266128	0.0443956	0.274284	0.0255819
0.174494	0.574484	0.0504109	0.263813	0.0455	0.266597	0.0253243
0.164734	0.54204	0.0469827	0.262365	0.0438652	0.260685	0.0319286
0.182823	0.506494	0.0355557	0.258535	0.0445171	0.258395	0.0253376
0.179726	0.479336	0.0412564	0.251627	0.0416743	0.247983	0.0326018
0.169899	0.450696	0.0360121	0.248331	0.0431184	0.246854	0.0280415
0.17532	0.428913	0.0299521	0.246648	0.0446053	0.245079	0.0270135
0.185129	0.422042	0.03451	0.243389	0.0452872	0.241654	0.0269365
0.189456	0.408039	0.0293579	0.24687	0.0444906	0.249726	0.0271943
0.18209	0.407933	0.0322783	0.245801	0.0443404	0.259872	0.0301359
0.195429	0.414621	0.0396938	0.250566	0.0412233	0.277791	0.0341378
0.169443	0.438689	0.0397684	0.257073	0.0460656	0.301789	0.0353424
0.179955	0.476361	0.0406175	0.275119	0.0471082	0.352458	0.0434241
0.202413	0.522055	0.0507679	0.292417	0.0489617	0.4366	0.0493406
0.203411	0.599969	0.0748351	0.330233	0.0570488	0.561215	0.0732286
0.24186	0.698031	0.0917319	0.374297	0.0717831	0.742332	0.0866274
0.303656	0.836977	0.121366	0.433196	0.0907014	0.98571	0.134976
0.31926	0.990951	0.141433	0.502639	0.110434	1.25159	0.182546
0.394536	1.14341	0.178969	0.587764	0.140717	1.56761	0.222819

0.420632	1.28568	0.226073	0.667085	0.157056	1.86813	0.256165
0.520988	1.40252	0.249954	0.742437	0.175464	2.14262	0.289038
0.554873	1.48735	0.274139	0.79659	0.191581	2.34299	0.328902
0.602498	1.50518	0.280148	0.822916	0.205557	2.45027	0.350094
0.604933	1.46969	0.275106	0.823344	0.201074	2.43444	0.342894
0.573879	1.38364	0.24771	0.796944	0.196706	2.29733	0.319785
0.525416	1.25249	0.205545	0.739779	0.183993	2.07287	0.280669
0.462485	1.12347	0.17336	0.678028	0.160496	1.8072	0.247623
0.391206	0.99204	0.14253	0.605555	0.142253	1.52015	0.197365
0.336138	0.870748	0.117453	0.527486	0.113274	1.22294	0.149434
0.306971	0.782109	0.0910478	0.466042	0.0956164	0.980306	0.132817
0.286734	0.72466	0.078848	0.419074	0.0818846	0.783347	0.108273
0.238991	0.709886	0.0653528	0.390516	0.0716093	0.640875	0.0836078
0.194521	0.738804	0.0686709	0.377867	0.0725376	0.559247	0.0646695
0.190783	0.853126	0.0828101	0.382455	0.070806	0.521708	0.0562581
0.217264	1.10376	0.129987	0.414189	0.0756218	0.554832	0.0652626
0.203042	1.55542	0.209171	0.500352	0.10054	0.677424	0.086533
0.253781	2.34215	0.345329	0.66796	0.135826	0.923079	0.119677
0.317715	3.64376	0.572464	0.937576	0.199493	1.34633	0.184922
0.383592	5.62537	0.926661	1.37171	0.313344	2.04834	0.280934
0.542937	8.44253	1.40865	2.01437	0.450914	3.06845	0.447785
0.750873	12.2101	2.04905	2.92299	0.661356	4.50316	0.660096
1.06537	16.8529	2.87702	4.131	0.950293	6.36087	0.935287
1.38095	22.1276	3.79694	5.59828	1.30941	8.61156	1.2528
1.78915	27.6748	4.74677	7.25256	1.70152	11.1332	1.63472
2.17842	32.803	5.67446	8.93467	2.13338	13.7215	2.0616
2.53349	36.8195	6.43405	10.4855	2.51131	15.9906	2.38812
2.90862	39.2923	6.87822	11.7283	2.79938	17.711	2.6499
3.05502	39.784	6.93486	12.4307	2.97403	18.6586	2.72887
3.02898	38.2154	6.61746	12.5689	3.00386	18.7991	2.77821
2.94936	34.884	6.02732	12.1025	2.89787	17.9197	2.65871
2.73256	30.31	5.26192	11.0648	2.64949	16.2397	2.39585
2.43959	25.0975	4.37385	9.63293	2.29325	14.0038	2.06507
2.08148	19.9156	3.4448	8.01363	1.91122	11.6049	1.70604
1.69195	15.2515	2.60462	6.41742	1.51561	9.18915	1.3531
1.3427	11.3054	1.90058	4.96812	1.18166	7.02319	1.03108
1.01744	8.21728	1.34788	3.73584	0.872079	5.20804	0.758673
0.81116	5.97628	0.958682	2.79073	0.639089	3.78015	0.571447
0.640996	4.35746	0.684798	2.07037	0.456461	2.73882	0.392251
0.500362	3.18835	0.486381	1.54169	0.334216	1.99315	0.292056
0.396618	2.35431	0.334799	1.15663	0.247063	1.44732	0.204247
0.304363	1.71533	0.229184	0.891641	0.187674	1.06649	0.151268
0.270885	1.2448	0.163976	0.711917	0.145544	0.810432	0.110011
0.238037	0.899874	0.113025	0.575207	0.109165	0.616842	0.0809196
0.227721	0.67836	0.0847103	0.462546	0.0813608	0.480845	0.0573667
0.200637	0.553018	0.0745453	0.394225	0.0726806	0.374114	0.048181
0.202568	0.519776	0.0460902	0.335109	0.0618823	0.301669	0.0419586

0.201751	0.564538	0.0558998	0.308778	0.059213	0.251713	0.0314285
0.178575	0.652739	0.0792542	0.296745	0.0584095	0.221957	0.0219746
0.154082	0.748911	0.0692138	0.290096	0.0541415	0.196997	0.0230328
0.160857	0.836583	0.0823285	0.289686	0.0512471	0.188548	0.0191509
0.172921	0.909331	0.0913932	0.284501	0.0517361	0.18424	0.0232631
0.190444	0.946955	0.082618	0.284743	0.0553594	0.188152	0.0245834
0.182423	0.948749	0.0801244	0.284315	0.0601538	0.188173	0.0251011
0.174235	0.92243	0.0838813	0.302104	0.0555074	0.195288	0.0244242
0.19396	0.882207	0.0803486	0.295961	0.0512778	0.200075	0.0224616
0.189818	0.82019	0.0688446	0.298639	0.0538295	0.202626	0.021926
0.19456	0.750233	0.0724076	0.29363	0.0594645	0.201318	0.0204065
0.179661	0.686684	0.0668843	0.286089	0.0564176	0.20144	0.0263339
0.188216	0.630613	0.0597287	0.276777	0.0602158	0.197753	0.0275165
0.165452	0.583034	0.0517372	0.274425	0.054987	0.190334	0.0316435
0.172059	0.539362	0.0503024	0.262882	0.0483742	0.186336	0.0300205
0.168784	0.506829	0.0425248	0.253696	0.0545172	0.178588	0.0281629
0.167617	0.493019	0.0464127	0.247937	0.0506259	0.176021	0.0261969
0.163091	0.480785	0.0498256	0.238044	0.0445792	0.169505	0.0240613
0.1701	0.468171	0.0500392	0.238755	0.0444248	0.168879	0.0265156
0.155226	0.460166	0.0442455	0.235559	0.0426678	0.166745	0.0286308
0.16378	0.463103	0.044424	0.229565	0.0416682	0.160602	0.0215446
0.157392	0.463384	0.0421288	0.229104	0.0427841	0.161322	0.0212841
0.167363	0.465225	0.0441868	0.228669	0.0433415	0.159296	0.0187902
0.159707	0.472918	0.0429315	0.230049	0.0445107	0.155979	0.0190128
0.176953	0.4846	0.0576437	0.234786	0.040864	0.155041	0.0186474
0.176211	0.500134	0.0579359	0.237706	0.043393	0.155096	0.0159533
0.162876	0.548624	0.0417728	0.24953	0.0446532	0.156999	0.0186099
0.150336	0.621829	0.0578389	0.263707	0.0492235	0.15732	0.018254
0.154159	0.733151	0.0755131	0.289869	0.053361	0.159332	0.0190356
0.165447	0.901361	0.0945223	0.328578	0.0633153	0.172497	0.0194035
0.167305	1.10062	0.120343	0.384146	0.0750933	0.189605	0.0225377
0.173985	1.36621	0.167179	0.455441	0.0899772	0.208135	0.0249998
0.210932	1.65545	0.215623	0.538877	0.104358	0.227542	0.0282125
0.232875	1.95597	0.253286	0.6445	0.131263	0.247282	0.0275734
0.267814	2.23596	0.286937	0.753832	0.160839	0.274658	0.0316162
0.315838	2.49923	0.34824	0.853796	0.186434	0.302387	0.0380221
0.356849	2.66634	0.360185	0.946176	0.20335	0.319498	0.0414578
0.369412	2.73463	0.357234	1.01835	0.222931	0.339123	0.0430333
0.379433	2.69635	0.355114	1.05405	0.231485	0.348079	0.0434706
0.390821	2.56921	0.342125	1.05275	0.22621	0.348633	0.0438207
0.378106	2.34373	0.327446	1.02065	0.227367	0.339182	0.043324
0.346855	2.0774	0.266492	0.954176	0.204884	0.317827	0.0394036
0.316508	1.79716	0.211083	0.863824	0.179553	0.293644	0.0393016
0.288181	1.50629	0.183903	0.759076	0.163811	0.27412	0.0367155
0.249607	1.24398	0.148201	0.649748	0.132611	0.251693	0.0296308
0.231684	1.0316	0.10605	0.553196	0.105403	0.220747	0.0287586
0.211538	0.869455	0.0817224	0.477328	0.094372	0.201049	0.0234934

0.208586	0.748016	0.0815606	0.410089	0.081813	0.187498	0.0201103
0.195352	0.657011	0.0618082	0.357823	0.072386	0.175309	0.0197475
0.178548	0.600478	0.0627628	0.327543	0.0628895	0.168888	0.022516
0.168031	0.566817	0.0577855	0.304567	0.0550219	0.164991	0.0229972
0.154599	0.552668	0.0524753	0.286818	0.0539314	0.161584	0.0209612
0.161134	0.537422	0.0458312	0.281349	0.0519544	0.158096	0.0186029
0.157125	0.518776	0.0529291	0.280024	0.0534809	0.159332	0.0186319
0.15934	0.510149	0.0544202	0.279765	0.0532175	0.159608	0.0193065
0.165537	0.491147	0.0503137	0.273552	0.0519362	0.15552	0.0160795
0.171677	0.481904	0.0469151	0.264783	0.0452813	0.15792	0.0165566
0.153937	0.46683	0.0459422	0.260609	0.0455169	0.157954	0.0214131
0.147496	0.457897	0.0440893	0.25744	0.0481641	0.155008	0.0190706
0.145908	0.442727	0.0399623	0.254546	0.0464386	0.155099	0.0166795
0.164254	0.439813	0.0444369	0.252066	0.0465109	0.154524	0.0178563
0.176856	0.452786	0.0434794	0.249115	0.0459794	0.157444	0.0157116
0.17255	0.476643	0.0449971	0.251344	0.0486539	0.160992	0.0130008
0.18349	0.511202	0.0545458	0.259534	0.0484861	0.163179	0.015409
0.202083	0.557362	0.061634	0.26881	0.050898	0.174221	0.0177616
0.263991	0.648317	0.0732325	0.279578	0.0525047	0.19107	0.0188579
0.345202	0.765752	0.0776672	0.302499	0.0521145	0.205246	0.0223158
0.435045	0.900999	0.0979088	0.335623	0.0578388	0.225712	0.0246639
0.610406	1.07931	0.128565	0.37266	0.0666694	0.262959	0.0312059
0.859032	1.29066	0.164403	0.409914	0.0785477	0.306288	0.0339434
1.16661	1.54737	0.198104	0.454475	0.0885999	0.35881	0.0408006
1.50178	1.79685	0.252396	0.512448	0.0979466	0.423893	0.0511654
1.89809	2.0345	0.293679	0.573939	0.109909	0.487563	0.0609923
2.36437	2.28126	0.334839	0.63857	0.126426	0.548578	0.0711326
2.77441	2.45143	0.351943	0.69737	0.138002	0.612241	0.0782725
3.15346	2.57729	0.385454	0.739495	0.144443	0.67392	0.0726579
3.46552	2.60156	0.387041	0.775923	0.150823	0.713847	0.0828939
3.63319	2.57066	0.371819	0.79309	0.152345	0.734847	0.0924278
3.65226	2.47152	0.355611	0.792396	0.149758	0.737372	0.0841013
3.47961	2.32149	0.303208	0.779075	0.147059	0.722181	0.0835424
3.18836	2.18482	0.259645	0.752909	0.139801	0.68891	0.0888289
2.87428	2.06505	0.236225	0.720224	0.13796	0.64479	0.0874173
2.55533	1.97998	0.194747	0.693174	0.139398	0.608436	0.078461
2.20692	1.96384	0.175529	0.679532	0.133124	0.584037	0.0773579
1.83612	1.99468	0.164553	0.666186	0.128026	0.56717	0.0813974
1.59583	2.07006	0.174311	0.671707	0.132292	0.56766	0.0839056
1.4796	2.17723	0.194131	0.693818	0.135742	0.584783	0.0934254
1.44991	2.28556	0.195554	0.726679	0.146817	0.606949	0.104334
1.56628	2.36676	0.215895	0.767673	0.159611	0.6368	0.112589
1.68866	2.40594	0.209415	0.791789	0.162727	0.670722	0.124168
1.73552	2.41933	0.208862	0.818673	0.171734	0.690981	0.126026
1.81636	2.36217	0.211076	0.839346	0.179995	0.693454	0.126251
1.8523	2.24518	0.203679	0.832831	0.174747	0.686935	0.128935
1.8061	2.10134	0.186873	0.816741	0.170884	0.669041	0.121772

1.70688	1.93437	0.161422	0.788875	0.167475	0.63417	0.112344
1.55182	1.78388	0.140806	0.744311	0.152752	0.596299	0.103505
1.37442	1.63516	0.136441	0.696915	0.142706	0.552556	0.087516
1.21717	1.51364	0.117082	0.653203	0.130915	0.504783	0.0736265
1.0319	1.41792	0.130858	0.606419	0.117693	0.4587	0.0662973
0.871395	1.35424	0.154494	0.571357	0.111086	0.417985	0.0577794
0.738234	1.32246	0.153872	0.539422	0.0964943	0.389124	0.0499428
0.606248	1.29738	0.176582	0.512652	0.0904162	0.360146	0.0419667
0.520106	1.30093	0.205855	0.49515	0.0863253	0.336816	0.0367855
0.432181	1.29498	0.212551	0.478322	0.0790497	0.318	0.0313562
0.330893	1.28183	0.226583	0.466585	0.0802231	0.302196	0.0281696
0.294268	1.24224	0.236544	0.452354	0.0802325	0.285984	0.0275213
0.235627	1.20135	0.23554	0.4412	0.0760733	0.267445	0.0318281
0.216414	1.1731	0.220129	0.431418	0.0755095	0.255995	0.0331037
0.227346	1.11667	0.211236	0.416802	0.0741999	0.244472	0.02852
0.195806	1.0483	0.187765	0.402647	0.0708396	0.231759	0.0282533
0.179996	0.980288	0.177256	0.387008	0.0743008	0.220505	0.0256265
0.179312	0.918492	0.157258	0.374476	0.0730607	0.212796	0.0249635
0.177999	0.863146	0.134505	0.363614	0.0696689	0.201451	0.0216684
0.165103	0.808613	0.109214	0.357273	0.069115	0.191564	0.0226112
0.161259	0.763783	0.0965207	0.351541	0.0707793	0.185493	0.0237966
0.165491	0.724996	0.085409	0.346203	0.0713323	0.184153	0.0229235
0.160775	0.696142	0.073047	0.33978	0.0681469	0.186644	0.022013
0.155469	0.688602	0.057198	0.335277	0.0656545	0.183802	0.0239503
0.15816	0.67567	0.0657209	0.344636	0.0734224	0.182462	0.0222661
0.167998	0.668129	0.0633623	0.348353	0.0751263	0.188272	0.0213031
0.147215	0.678123	0.0638557	0.35004	0.072992	0.194529	0.0223557
0.133963	0.695654	0.0665904	0.362858	0.0772024	0.204572	0.0221784
0.159267	0.707233	0.0592568	0.37102	0.0766269	0.219833	0.0266239
0.169077	0.728111	0.0620194	0.383261	0.0779693	0.240046	0.0305457
0.184832	0.757625	0.0730086	0.398179	0.0797105	0.276417	0.0374056
0.184231	0.808231	0.0911439	0.42905	0.0867582	0.334225	0.0454802
0.187061	0.888503	0.104915	0.472992	0.104659	0.414789	0.0582545
0.203635	0.989288	0.147048	0.535061	0.126221	0.533476	0.0754359
0.232789	1.12715	0.197747	0.622159	0.158303	0.707991	0.103437
0.273296	1.30614	0.250731	0.738947	0.206158	0.952198	0.144358
0.333704	1.54525	0.327318	0.892795	0.271183	1.26327	0.189557
0.421772	1.80915	0.428082	1.10512	0.366338	1.64555	0.251925
0.493954	2.07187	0.525099	1.34861	0.4697	2.09529	0.323979
0.615027	2.34832	0.6212	1.60521	0.581613	2.60486	0.400865
0.726601	2.60798	0.708442	1.8853	0.693239	3.14987	0.488037
0.858675	2.80599	0.783777	2.17807	0.820622	3.67608	0.576976
0.98145	2.96101	0.834631	2.42995	0.921284	4.11252	0.63827
1.04404	3.01803	0.867073	2.61347	1.01394	4.43672	0.697568
1.05571	2.99844	0.868046	2.73104	1.07224	4.64042	0.727157
1.05319	2.87266	0.813532	2.77487	1.09063	4.66712	0.726697
1.0447	2.66509	0.730663	2.73677	1.065	4.52328	0.714358



1.02438	2.41506	0.641119	2.59692	0.998794	4.22464	0.655836
0.960508	2.13711	0.538906	2.38771	0.914769	3.81116	0.598718
0.834119	1.86687	0.450141	2.14531	0.811562	3.30921	0.522871
0.725458	1.61422	0.35758	1.86289	0.679517	2.77818	0.43674
0.664389	1.39522	0.281396	1.57529	0.548794	2.25347	0.343531
0.53966	1.22077	0.190838	1.3253	0.437114	1.77442	0.279358
0.404033	1.091	0.14244	1.10463	0.338937	1.35896	0.215263
0.322197	1.02984	0.130927	0.916149	0.262771	1.02998	0.154315
0.26498	0.999771	0.104177	0.777405	0.203518	0.766878	0.117494
0.200738	1.02287	0.113112	0.680333	0.161343	0.569959	0.0865421
0.191812	1.0728	0.10621	0.622553	0.14084	0.440766	0.0661403
0.196447	1.16356	0.123774	0.585168	0.123361	0.353883	0.0472697
0.185007	1.32398	0.152098	0.577926	0.117987	0.302526	0.0379307
0.158504	1.52816	0.164754	0.600636	0.125148	0.285166	0.0366403
0.16518	1.83986	0.200462	0.641628	0.14006	0.285903	0.0339081
0.165343	2.28161	0.241063	0.711369	0.150221	0.304102	0.032995
0.176781	2.97141	0.312235	0.815179	0.171888	0.343121	0.0412645
0.166894	4.05505	0.440543	0.966786	0.203758	0.394629	0.0522589
0.171295	5.74313	0.628074	1.19566	0.251982	0.46533	0.0567554
0.204379	8.38141	0.917134	1.54095	0.334885	0.55987	0.0655621
0.233865	12.4056	1.33707	2.05498	0.459993	0.678172	0.0839173
0.268688	18.4923	1.97796	2.83072	0.620686	0.804052	0.103555
0.276409	27.298	2.95891	4.02139	0.881526	0.972153	0.126149
0.306787	39.7666	4.34894	5.73171	1.26589	1.19256	0.155451
0.387316	56.6119	6.22428	8.16561	1.81362	1.46168	0.188494
0.475231	78.3704	8.6131	11.5597	2.59571	1.81243	0.23374
0.575863	105.103	11.6619	16.0411	3.62427	2.23488	0.281961
0.706292	136.663	15.0444	21.7353	4.9341	2.73948	0.354119
0.873879	171.932	18.8688	28.7174	6.52448	3.34365	0.43364
1.06766	208.599	22.9286	36.7636	8.36496	4.02534	0.514927
1.28853	244.311	26.762	45.6023	10.41	4.75021	0.61474
1.48078	276.027	30.1598	54.7337	12.4443	5.4706	0.708985
1.7154	300.771	33.0485	63.4784	14.4096	6.17501	0.794177
1.91459	315.942	34.5749	71.1436	16.1931	6.76637	0.889364
2.121	319.66	34.904	76.9843	17.549	7.16651	0.958337
2.21995	311.934	34.1207	80.3603	18.2882	7.36714	0.981657
2.1869	293.258	31.9574	80.8958	18.4044	7.31548	0.968255
2.13807	265.994	29.1223	78.6998	17.9533	7.00791	0.933576
1.98354	232.175	25.4698	73.871	16.7763	6.48629	0.866342
1.81087	195.567	21.5322	66.8446	15.1272	5.83097	0.764528
1.63395	158.707	17.3056	58.3529	13.2221	5.07112	0.660088
1.38569	124.291	13.6039	49.1925	11.1685	4.26023	0.555368
1.14481	94.0059	10.2653	40.0522	9.11193	3.46254	0.44974
0.939361	68.5629	7.55858	31.5075	7.16621	2.72086	0.35341
0.7321	48.3875	5.21479	23.9645	5.44275	2.07515	0.27
0.585496	33.1661	3.61575	17.6288	3.98897	1.53274	0.197927
0.476776	22.1363	2.4503	12.5612	2.85286	1.12479	0.144973

0.36452	14.5889	1.59693	8.68895	1.97818	0.815594	0.108366
0.295287	9.6333	1.05062	5.8865	1.33105	0.586025	0.0806417
0.251891	6.59916	0.701319	3.93434	0.895154	0.436818	0.0551451
0.233237	4.90536	0.518745	2.65832	0.606203	0.339204	0.0381174
0.202658	4.15864	0.459353	1.86528	0.421588	0.283039	0.0331798
0.195601	4.12452	0.436774	1.42217	0.31767	0.248812	0.0323331
0.195085	4.66599	0.507012	1.2266	0.274567	0.235329	0.030931
0.179603	5.76921	0.640019	1.21364	0.270153	0.240601	0.0302998
0.184354	7.4146	0.846357	1.37688	0.301387	0.257355	0.0273158
0.222827	9.58861	1.06609	1.66927	0.36385	0.291364	0.0324125
0.234451	12.3926	1.38606	2.09677	0.443474	0.332689	0.0378496
0.222675	15.8511	1.76991	2.68469	0.572698	0.387243	0.045733
0.225669	19.8973	2.1997	3.43709	0.743404	0.460696	0.0552112
0.23536	24.4516	2.76818	4.35069	0.931736	0.544223	0.0668222
0.257291	29.0733	3.26394	5.39723	1.15401	0.650716	0.0824423
0.273345	33.6665	3.76085	6.56132	1.4188	0.763744	0.0952968
0.314878	37.8128	4.22402	7.77408	1.68735	0.86667	0.11285
0.350744	41.1351	4.61502	8.93062	1.92661	0.964188	0.123027
0.380592	43.2526	4.77553	9.97394	2.15403	1.05924	0.127202
0.414932	43.9461	4.91366	10.7978	2.33133	1.1283	0.136751
0.408291	43.3091	4.86113	11.3379	2.41757	1.16492	0.141304
0.402337	41.1487	4.51635	11.5492	2.46503	1.18096	0.143656
0.422955	37.8252	4.18775	11.3711	2.45167	1.15592	0.143971
0.402062	33.6124	3.73391	10.8373	2.33584	1.09509	0.13961
0.378027	28.9356	3.17754	9.98093	2.14808	1.01996	0.121146
0.391215	23.9887	2.67446	8.88796	1.90285	0.916281	0.108973
0.35582	19.2363	2.12334	7.68011	1.63662	0.8016	0.106865
0.302892	14.9006	1.62061	6.42992	1.38391	0.694175	0.0911108
0.269537	11.2031	1.24825	5.20791	1.11443	0.585694	0.0683918
0.25632	8.16731	0.897816	4.08978	0.876545	0.494386	0.055018
0.234812	5.75848	0.622969	3.11307	0.66669	0.412923	0.0468616
0.215638	3.96282	0.425562	2.29899	0.490785	0.338997	0.0406233
0.20956	2.65207	0.28083	1.64461	0.339924	0.285035	0.03493
0.193767	1.75287	0.176816	1.15582	0.236008	0.246511	0.0301776
0.18463	1.15255	0.11926	0.804753	0.167934	0.216011	0.0277268
0.196863	0.75222	0.0616321	0.551646	0.114126	0.192769	0.0266002
0.169753	0.506909	0.0481993	0.382109	0.0792216	0.180502	0.0253503
0.167208	0.362724	0.0337335	0.269737	0.0553222	0.173193	0.0240138
0.183412	0.281363	0.0238308	0.197681	0.0390885	0.167262	0.0221116
0.18248	0.234124	0.0166445	0.15415	0.0289387	0.16438	0.0211213
0.182121	0.20701	0.0192809	0.129995	0.0261451	0.166708	0.023508
0.185889	0.197873	0.0172684	0.113788	0.0228414	0.170361	0.023664
0.211282	0.191767	0.0154614	0.103413	0.0202582	0.169486	0.0227189
0.200126	0.186963	0.0156058	0.0996979	0.0218506	0.168319	0.0253497
0.199387	0.190523	0.0201605	0.0997846	0.0224863	0.16863	0.0231887
0.209777	0.188627	0.0161383	0.0988547	0.0219518	0.171468	0.0245505
0.194355	0.190322	0.0141799	0.0994506	0.0228482	0.173218	0.0282257

0.198765	0.192102	0.0171661	0.0985683	0.0242527	0.177917	0.0261348
0.204147	0.199308	0.0200549	0.0970648	0.0234554	0.183889	0.028003
0.195397	0.199326	0.0204313	0.0992521	0.0214846	0.188298	0.0297735
0.193201	0.205697	0.0238199	0.1025	0.0193513	0.194302	0.0296095
0.209717	0.208873	0.0252635	0.103163	0.02199	0.203488	0.0335941
0.206325	0.212258	0.0230074	0.103118	0.0237582	0.216905	0.0395995
0.218796	0.218726	0.0204418	0.107149	0.0239229	0.237668	0.045287
0.218917	0.229298	0.0258348	0.112688	0.0242674	0.271404	0.0595414
0.234838	0.242397	0.0297456	0.118982	0.0269296	0.318512	0.0814513
0.259214	0.261053	0.0334557	0.131209	0.0304205	0.387853	0.113254
0.261253	0.284598	0.0426304	0.143373	0.0326001	0.485415	0.157354
0.252833	0.315305	0.0495054	0.158145	0.0356143	0.620356	0.217699
0.260103	0.353489	0.070448	0.183308	0.0423039	0.804346	0.300584
0.290524	0.400307	0.0768463	0.209256	0.0494222	1.0354	0.413638
0.332115	0.445493	0.0915985	0.242893	0.0599416	1.32885	0.544966
0.374999	0.497081	0.115894	0.29083	0.0735528	1.68536	0.711647
0.4306	0.553543	0.138522	0.334566	0.085441	2.09264	0.908915
0.486546	0.607212	0.160115	0.383068	0.100335	2.53779	1.11493
0.585383	0.654231	0.175781	0.436075	0.115559	2.99986	1.35028
0.651267	0.700043	0.198575	0.489876	0.131949	3.45608	1.58117
0.674209	0.733227	0.220587	0.537192	0.15018	3.85858	1.78246
0.710393	0.741809	0.223575	0.5788	0.159295	4.20671	1.96204
0.785517	0.735195	0.21643	0.602719	0.164185	4.43583	2.05594
0.832314	0.721508	0.208029	0.615999	0.163966	4.5412	2.1197
0.797494	0.691028	0.210182	0.617558	0.163707	4.50802	2.12386
0.801526	0.650417	0.188036	0.600692	0.162793	4.33348	2.02995
0.767366	0.59752	0.151934	0.568573	0.155573	4.05291	1.89721
0.712771	0.548644	0.14319	0.531557	0.144132	3.70079	1.72652
0.684434	0.489929	0.120367	0.486213	0.132595	3.25931	1.52366
0.601243	0.435851	0.0950606	0.433719	0.111881	2.79441	1.2984
0.559631	0.392	0.0759368	0.379602	0.0941799	2.33878	1.06292
0.511091	0.358017	0.0599978	0.327227	0.0825611	1.9031	0.836695
0.491934	0.327066	0.050012	0.278693	0.0688717	1.52923	0.663687
0.484041	0.300183	0.044633	0.241794	0.0561971	1.20018	0.486578
0.494985	0.287084	0.0325455	0.211209	0.0436469	0.92906	0.363366
0.488875	0.277279	0.0230789	0.185504	0.0367456	0.719742	0.260875
0.434322	0.273386	0.0256938	0.168382	0.0363774	0.574505	0.180483
0.433709	0.267594	0.0245257	0.152881	0.0319647	0.46586	0.132756
0.462747	0.26476	0.0251188	0.146346	0.0301913	0.394361	0.0901936
0.454565	0.266132	0.0237251	0.140275	0.0281151	0.347223	0.0711231
0.459256	0.264302	0.0227372	0.134861	0.0268965	0.308523	0.0570991
0.469886	0.265198	0.0203939	0.134541	0.0289634	0.286747	0.0523803
0.503883	0.26629	0.0192212	0.130591	0.0286315	0.276006	0.0436421
0.467901	0.270475	0.0209615	0.135186	0.0276782	0.269635	0.0372518
0.444926	0.272652	0.0223048	0.135444	0.0272935	0.266712	0.0328994
0.480923	0.280089	0.0214074	0.133073	0.0294522	0.269315	0.0322772
0.512567	0.281561	0.0202344	0.136929	0.0282287	0.276721	0.034798

0.479486	0.285391	0.024223	0.141224	0.0306677	0.281628	0.0364699
0.480046	0.292868	0.0222008	0.142641	0.0302105	0.296273	0.0425639
0.448061	0.305886	0.0241197	0.147336	0.03441	0.317892	0.043517
0.435445	0.310749	0.02553	0.153447	0.0357153	0.334809	0.045883
0.440175	0.320321	0.0295099	0.163906	0.0352219	0.355043	0.0526614
0.426905	0.331099	0.0237998	0.168019	0.0371316	0.384026	0.0593045
0.424421	0.342707	0.0290757	0.174767	0.0410644	0.424184	0.0644552
0.438124	0.361073	0.0314123	0.181982	0.0403164	0.467323	0.0768737
0.411337	0.367519	0.0350936	0.193686	0.0476184	0.503158	0.0980425
0.400695	0.381707	0.0388362	0.200576	0.0453254	0.553966	0.10603
0.404137	0.399431	0.0391835	0.211658	0.051959	0.610267	0.128802
0.379301	0.412799	0.048803	0.218419	0.0543121	0.679604	0.157047
0.380649	0.429057	0.0531026	0.23048	0.0556503	0.740739	0.176684
0.37955	0.448407	0.0580534	0.238617	0.0569567	0.808468	0.213261
0.379863	0.460932	0.0627101	0.248458	0.0553872	0.888143	0.249111
0.392551	0.473176	0.0689127	0.256474	0.0540786	0.959492	0.272503
0.367919	0.483464	0.06043	0.268824	0.0535183	1.02434	0.303942
0.394116	0.489441	0.0649455	0.269968	0.0531424	1.05911	0.317291
0.384328	0.488788	0.0679588	0.278932	0.0584762	1.08693	0.320969
0.413025	0.492238	0.0731597	0.279351	0.0577313	1.09184	0.328278
0.374756	0.490807	0.0672521	0.278822	0.0585405	1.07889	0.321111
0.363063	0.483555	0.0727359	0.27683	0.0533982	1.04578	0.31555
0.336077	0.475834	0.0714451	0.276643	0.057282	0.992051	0.284055
0.358512	0.463601	0.0687355	0.269569	0.0539627	0.935675	0.264271
0.353552	0.452255	0.0597076	0.259222	0.0483981	0.861229	0.231908
0.362549	0.441546	0.0619708	0.250953	0.0436082	0.787663	0.208747
0.355375	0.427858	0.0573399	0.23777	0.0462286	0.710921	0.173381
0.306924	0.417899	0.059459	0.231577	0.0424421	0.644127	0.150495
0.291642	0.411414	0.0600052	0.223293	0.0349385	0.586939	0.120758
0.307576	0.399316	0.0543517	0.21192	0.0361263	0.532873	0.0980453
0.310326	0.392742	0.0513102	0.205719	0.0373933	0.486785	0.0966524
0.295856	0.385896	0.0493079	0.202022	0.0336453	0.451033	0.0837427
0.291507	0.38234	0.0484484	0.198845	0.0340082	0.426003	0.0807738
0.281027	0.376008	0.0526076	0.196344	0.0307973	0.40632	0.0821446
0.275311	0.377478	0.0499922	0.195863	0.0325632	0.395132	0.0824815
0.271227	0.376876	0.0471855	0.194074	0.0312663	0.382976	0.0781067
0.275428	0.367235	0.0454157	0.190635	0.0306002	0.378464	0.0737101
0.282193	0.364271	0.0456539	0.19569	0.0314604	0.380566	0.0756953
0.274227	0.3582	0.0446466	0.194642	0.0307029	0.379737	0.0687589
0.29159	0.35379	0.0419382	0.193704	0.0344392	0.377141	0.0701277
0.269596	0.35258	0.0390377	0.200869	0.0369015	0.378963	0.0772261
0.286023	0.347298	0.0441226	0.194122	0.0340023	0.374017	0.0741249
0.283282	0.34595	0.0359601	0.198759	0.0336537	0.372275	0.0729559
0.290009	0.34843	0.0333665	0.19851	0.0332483	0.377857	0.0700233
0.317937	0.34726	0.0364751	0.192075	0.0364655	0.371953	0.0645912
0.285453	0.341279	0.0360724	0.191477	0.0343068	0.362607	0.0690339
0.28932	0.340011	0.0370476	0.195132	0.032419	0.367726	0.0596109

0.283624	0.338374	0.0347176	0.194649	0.0315497	0.370765	0.0578565
0.293823	0.339693	0.0385408	0.19054	0.0328529	0.366004	0.056336
0.271934	0.338343	0.0312017	0.189129	0.0312662	0.364576	0.0541807
0.29637	0.343967	0.0281184	0.189004	0.0365332	0.362606	0.0486983
0.318947	0.349372	0.0315589	0.191492	0.0330416	0.361262	0.0508518
0.296444	0.365015	0.0387823	0.195344	0.0294612	0.365807	0.0456158
0.3435	0.375971	0.0431871	0.201712	0.0330712	0.365161	0.0409401
0.329053	0.39779	0.0512116	0.207746	0.035293	0.379882	0.0469186
0.397206	0.42352	0.0608825	0.217739	0.0442171	0.39297	0.0538143
0.448652	0.453331	0.0727065	0.225836	0.0421401	0.422651	0.0514414
0.428543	0.488401	0.0968175	0.246945	0.0519135	0.437036	0.0565618
0.534778	0.53496	0.122317	0.267123	0.0618256	0.46998	0.0637013
0.591345	0.571774	0.141024	0.292266	0.07088	0.510222	0.074709
0.703508	0.608121	0.163888	0.322651	0.101284	0.54978	0.0862812
0.794583	0.644719	0.185703	0.348094	0.110957	0.595116	0.0997288
0.893829	0.673271	0.210287	0.384455	0.131852	0.637067	0.118732
1.04419	0.692244	0.219829	0.423048	0.151405	0.678052	0.129087
1.1206	0.712531	0.219171	0.442555	0.169149	0.710746	0.133774
1.18026	0.725947	0.212831	0.459251	0.173803	0.740785	0.147253
1.2682	0.723694	0.218333	0.480028	0.184704	0.752311	0.156063
1.28299	0.702966	0.203847	0.486495	0.184246	0.769001	0.156362
1.3078	0.681779	0.188145	0.492925	0.189847	0.765853	0.140092
1.3373	0.654712	0.173303	0.480469	0.188491	0.744358	0.153085
1.21149	0.62065	0.142377	0.461392	0.17055	0.715924	0.135296
1.12294	0.596443	0.124155	0.453711	0.16779	0.691281	0.128685
1.06681	0.568649	0.110463	0.417285	0.138445	0.652741	0.121729
0.907683	0.53244	0.0886932	0.394842	0.128029	0.599265	0.10161
0.831469	0.506824	0.0768048	0.366112	0.117147	0.567747	0.0833955
0.692919	0.487438	0.0611439	0.3403	0.100132	0.537114	0.0810465
0.625329	0.465248	0.048636	0.312692	0.0796104	0.497884	0.0721645
0.548307	0.4484	0.043142	0.293246	0.0706107	0.4696	0.0634993
0.460787	0.442317	0.0391011	0.278959	0.0658632	0.451119	0.0549394
0.470242	0.436441	0.0373051	0.261205	0.0584194	0.430741	0.0601912
0.396925	0.435844	0.0366166	0.251172	0.0560811	0.419792	0.0548619
0.380844	0.429451	0.0346282	0.244436	0.0510566	0.413373	0.047838
0.393427	0.429707	0.0349235	0.243172	0.0575648	0.405737	0.0469284
0.378897	0.432711	0.0346092	0.232356	0.0479726	0.401545	0.0513337
0.414616	0.440352	0.0416407	0.234629	0.0518663	0.401063	0.0463017
0.381466	0.445277	0.0368202	0.232933	0.0567834	0.399191	0.044605
0.330583	0.45152	0.0468856	0.231184	0.0551096	0.397759	0.0457713
0.32476	0.456506	0.0457967	0.233435	0.0500724	0.390367	0.0445316
0.353219	0.464406	0.0477797	0.235431	0.0587181	0.404338	0.0466189
0.403963	0.464667	0.0454788	0.234016	0.0541465	0.396389	0.0473597
0.340748	0.469363	0.0489783	0.238847	0.0561782	0.402124	0.0568162
0.390254	0.480917	0.0526268	0.23891	0.0577274	0.412607	0.0532457
0.361019	0.491975	0.0477667	0.239514	0.0542661	0.415621	0.0602198
0.366686	0.500803	0.0508172	0.241133	0.0577705	0.416954	0.0590726

0.334409	0.512036	0.057327	0.245288	0.0584729	0.415861	0.0583236
0.334572	0.52361	0.0586562	0.253826	0.0572301	0.433366	0.0761684
0.354397	0.534575	0.0611116	0.251648	0.0564633	0.440863	0.0859735
0.404465	0.552252	0.05731	0.265902	0.0541382	0.448147	0.092416
0.353417	0.571522	0.0627667	0.265077	0.0561717	0.462679	0.113081
0.378221	0.592655	0.0619286	0.277657	0.057807	0.483372	0.123212
0.385356	0.618338	0.0630686	0.286193	0.0621336	0.492613	0.136886
0.423764	0.648172	0.0600547	0.300416	0.0563486	0.523379	0.153678
0.466223	0.6902	0.0672015	0.316725	0.0555505	0.554373	0.163932
0.462513	0.735999	0.0793012	0.340048	0.0582307	0.586894	0.172219
0.492188	0.797919	0.0749817	0.364728	0.0570977	0.630933	0.176971
0.539728	0.854376	0.083675	0.39714	0.0698721	0.684925	0.189104
0.593269	0.921618	0.0919713	0.442137	0.074501	0.750045	0.177215
0.681703	0.9799	0.102314	0.494166	0.0845099	0.822689	0.186468
0.711132	1.04959	0.100289	0.547035	0.0953475	0.915648	0.185285
0.806525	1.11515	0.111439	0.601289	0.116908	0.98759	0.196725
0.935542	1.1589	0.121583	0.66275	0.13189	1.06946	0.19213
1.03953	1.20217	0.126275	0.722212	0.13706	1.15412	0.208856
1.10596	1.22799	0.115905	0.771166	0.1417	1.21542	0.185757
1.19798	1.24342	0.125696	0.82157	0.156401	1.27468	0.181972
1.25335	1.23796	0.131843	0.860598	0.170507	1.32341	0.194486
1.26674	1.21076	0.129443	0.874177	0.172768	1.35676	0.180684
1.39346	1.17744	0.128508	0.877073	0.174673	1.35358	0.170946
1.28953	1.13822	0.121773	0.874015	0.169088	1.33169	0.175599
1.2724	1.08245	0.107369	0.848094	0.159512	1.28133	0.170977
1.18677	1.01939	0.0923853	0.816556	0.149724	1.2281	0.145281
1.14523	0.959515	0.0843269	0.768536	0.139898	1.15411	0.145809
1.05906	0.908932	0.0851578	0.721166	0.134635	1.0934	0.132757
1.04951	0.848055	0.0716519	0.673565	0.11972	0.999141	0.116658
0.914169	0.79847	0.0640948	0.607834	0.106081	0.933809	0.120068
0.862519	0.756643	0.058822	0.557092	0.0911928	0.856746	0.0939447
0.833132	0.722452	0.056677	0.513532	0.0893557	0.791585	0.0954774
0.766016	0.692784	0.0554346	0.468541	0.0813546	0.735071	0.0811952
0.697188	0.669286	0.0595939	0.445982	0.0788157	0.702996	0.0703068
0.720437	0.644298	0.0543259	0.407812	0.0688536	0.654694	0.0655283
0.680983	0.627374	0.0498818	0.394423	0.0693227	0.638622	0.0612402
0.699999	0.614612	0.0522305	0.373747	0.0640568	0.61315	0.0634182
0.65339	0.602556	0.0523941	0.360642	0.064085	0.606194	0.0584741
0.676062	0.600437	0.0520977	0.357729	0.0717773	0.606317	0.0499105
0.705047	0.599846	0.0501272	0.348788	0.065604	0.602476	0.0502971
0.745155	0.588492	0.0527778	0.34706	0.0654982	0.602196	0.0581046
0.771886	0.586565	0.0471047	0.346056	0.0611277	0.614942	0.0462526
0.7218	0.585814	0.0557068	0.347696	0.0703055	0.632585	0.0546557
0.860991	0.587189	0.0597443	0.349467	0.0689336	0.625461	0.0593916
0.798548	0.597569	0.0606842	0.349246	0.0687127	0.659119	0.061241
0.870843	0.607401	0.0625854	0.361075	0.0754383	0.670905	0.0648628
0.861564	0.626962	0.0681339	0.365762	0.0732358	0.706396	0.058183

1.07279	0.657798	0.078679	0.368591	0.073338	0.748654	0.0642073
1.1039	0.697703	0.0905234	0.385495	0.0864582	0.802743	0.0766527
1.2166	0.756659	0.101686	0.408111	0.0888236	0.871327	0.0713357
1.3809	0.866712	0.141175	0.437551	0.0976833	0.985489	0.100265
1.66068	1.02118	0.186568	0.474868	0.118689	1.14465	0.099102
2.05264	1.25242	0.251674	0.536511	0.139913	1.40254	0.132939
2.53178	1.58237	0.360383	0.64647	0.186417	1.75713	0.160997
3.53636	2.03715	0.492013	0.795657	0.229813	2.29496	0.214554
4.46693	2.66385	0.697632	1.00131	0.337886	3.08297	0.280945
6.3201	3.50103	0.957707	1.30326	0.436778	4.15416	0.363372
8.80965	4.57599	1.29247	1.73502	0.619932	5.66729	0.504527
12.1371	5.93178	1.7426	2.30481	0.84928	7.68128	0.665466
16.3524	7.55976	2.22774	3.0801	1.15952	10.3583	0.921693
21.7905	9.47848	2.81905	4.07925	1.56075	13.7564	1.28922
28.8871	11.6463	3.47515	5.2999	2.05533	17.9028	1.58111
36.9856	13.9727	4.21035	6.81219	2.64751	22.7908	2.07478
47.2077	16.4544	4.95215	8.53117	3.32292	28.4736	2.62301
59.1444	18.8764	5.77182	10.5238	4.13052	34.8362	3.23421
71.3179	21.1195	6.48406	12.6163	4.96955	41.4284	3.76185
83.9831	23.0558	7.064	14.8104	5.78641	48.3172	4.49601
97.4547	24.5471	7.51067	16.9769	6.66282	54.8546	5.16745
110.626	25.4989	7.75338	19.0446	7.53979	60.7473	5.60481
120.904	25.8543	7.91146	20.8463	8.20873	65.7786	6.08034
130.133	25.5682	7.81083	22.1464	8.72621	69.165	6.51586
136.315	24.5991	7.49717	22.9565	9.09012	71.0412	6.65515
138.065	23.1701	7.03853	23.3481	9.23555	71.1657	6.75469
138.966	21.2308	6.40434	23.0778	9.09575	69.5385	6.66104
134.992	19.0353	5.73417	22.2221	8.78167	66.1697	6.33425
126.999	16.6273	4.9526	20.8848	8.20776	61.3628	5.88699
116.651	14.2027	4.21297	19.1821	7.53238	55.5451	5.30132
105.279	11.8697	3.50348	17.1643	6.73402	49.1532	4.79761
93.0746	9.72116	2.83011	14.9821	5.89349	42.3293	4.09695
80.1195	7.78789	2.24175	12.7585	4.91494	35.5958	3.54082
67.1034	6.13921	1.72404	10.6271	4.12104	29.159	2.85697
55.4222	4.79814	1.30303	8.67006	3.34135	23.3846	2.34296
44.3065	3.72744	0.952541	6.88162	2.61987	18.3032	1.80481
34.868	2.90462	0.690578	5.3681	2.00318	14.0027	1.36465
26.2886	2.27251	0.488293	4.139	1.52361	10.4951	1.04319
20.0783	1.81366	0.338936	3.11617	1.14233	7.71	0.761811
14.6221	1.48735	0.239591	2.32424	0.793567	5.58116	0.536254
10.5904	1.27544	0.173582	1.73918	0.570606	4.0226	0.408542
7.66741	1.12414	0.13498	1.30439	0.401079	2.89151	0.293672
5.49714	1.03835	0.108238	1.00042	0.279016	2.09028	0.193954
3.94747	0.976321	0.0901172	0.781852	0.200022	1.54	0.149505
2.80515	0.937873	0.083513	0.63751	0.157571	1.16088	0.114471
2.17489	0.916148	0.0765444	0.539808	0.114717	0.927858	0.0851394
1.649	0.904194	0.0569866	0.477916	0.0948945	0.78089	0.076989

1.29427	0.894505	0.0642197	0.441993	0.0711823	0.694851	0.0628987
1.00349	0.897566	0.0621366	0.418793	0.0710184	0.620651	0.0593832
0.895768	0.900136	0.0602234	0.402385	0.0677591	0.591155	0.0583691
0.87032	0.900759	0.0661016	0.392083	0.0629876	0.568316	0.0613838
0.799799	0.903414	0.0649131	0.400862	0.0656671	0.554124	0.0594834
0.678094	0.901297	0.0616461	0.391317	0.0631244	0.554327	0.0584392
0.73876	0.895774	0.0636004	0.39223	0.0586558	0.558583	0.0616487
0.639922	0.904017	0.0560937	0.395822	0.0622388	0.556957	0.0537569
0.660904	0.901494	0.0541111	0.397833	0.0560699	0.565074	0.0651751
0.655779	0.902366	0.0586835	0.399483	0.0538525	0.556466	0.0638433
0.688612	0.900071	0.0569755	0.395695	0.0524721	0.565074	0.0561913
0.650905	0.909005	0.0545434	0.402432	0.0516957	0.564914	0.0497883
0.68014	0.913881	0.0647529	0.406857	0.0597635	0.582316	0.0595777
0.658876	0.919766	0.0629884	0.408013	0.0484858	0.587877	0.0623491
0.712528	0.925793	0.0574715	0.413483	0.0513401	0.594169	0.0585457
0.683407	0.930172	0.0558305	0.413092	0.053007	0.608881	0.0565344
0.662523	0.931478	0.0548824	0.422527	0.0581017	0.622013	0.0665531
0.678849	0.94037	0.0568321	0.425647	0.0575544	0.636475	0.054245
0.72128	0.95215	0.0566033	0.431182	0.0624174	0.654052	0.0611873
0.6796	0.963955	0.0585311	0.432918	0.061006	0.674666	0.0536096
0.692431	0.979753	0.0621035	0.452505	0.0629322	0.701624	0.0616244
0.699198	1.00602	0.0662468	0.464769	0.0674404	0.741003	0.0590997
0.821349	1.04252	0.070192	0.478107	0.0627917	0.780586	0.0652913
0.883137	1.09222	0.084643	0.494707	0.0787425	0.847045	0.0583353
0.925422	1.14833	0.0974181	0.519052	0.0897336	0.93253	0.066181
1.02588	1.22942	0.127416	0.543535	0.0961227	1.0329	0.0780081
1.24048	1.33472	0.163615	0.583569	0.110882	1.17995	0.1021
1.49935	1.46551	0.194428	0.635088	0.132187	1.36194	0.100436
1.71006	1.63386	0.255027	0.715766	0.160044	1.61191	0.136446
2.01291	1.83938	0.309244	0.809912	0.182438	1.91788	0.148003
2.60598	2.08404	0.364174	0.915296	0.235449	2.31792	0.185028
3.19752	2.36493	0.451597	1.0694	0.306281	2.83008	0.22104
3.93239	2.66594	0.545963	1.26351	0.375878	3.40534	0.276986
4.91553	3.02033	0.644584	1.47093	0.464496	4.12168	0.318378
5.78639	3.34411	0.764117	1.72691	0.55219	4.94186	0.416006
7.06943	3.70127	0.84405	2.00945	0.663663	5.81256	0.467385
8.31663	4.03312	0.954305	2.3183	0.787632	6.7619	0.558242
9.74184	4.31326	1.02293	2.63361	0.910561	7.76362	0.645602
11.0604	4.52578	1.10188	2.9633	1.03108	8.71861	0.699105
12.7199	4.71424	1.14075	3.254	1.18213	9.57618	0.802721
13.4995	4.80004	1.15543	3.53592	1.29794	10.3446	0.842044
15.0982	4.77845	1.16559	3.76439	1.34158	10.9441	0.910437
15.7835	4.6669	1.1298	3.90017	1.40019	11.3124	0.968173
16.0888	4.46015	1.05861	4.01099	1.43491	11.4354	0.954964
16.4338	4.1955	0.981635	4.0052	1.46994	11.3345	0.998023
16.1014	3.89265	0.894877	3.90518	1.42075	10.9486	0.936274
15.4019	3.56098	0.802957	3.77826	1.36024	10.3709	0.919485



14.6984	3.20116	0.699196	3.53551	1.27609	9.61624	0.807514
13.4855	2.84631	0.584551	3.2669	1.15037	8.69913	0.759821
12.2525	2.51239	0.492747	2.97313	1.03343	7.71246	0.707605
10.6962	2.19546	0.397253	2.63698	0.906695	6.73259	0.573564
9.43463	1.92101	0.312251	2.29946	0.771784	5.73654	0.507073
7.91218	1.67941	0.239867	1.98439	0.657942	4.7837	0.422057
6.50159	1.49125	0.180481	1.6825	0.515246	3.9269	0.358698
5.34666	1.34136	0.142546	1.42162	0.420169	3.17792	0.271479
4.11664	1.21589	0.113558	1.20454	0.339327	2.54614	0.2147
3.33296	1.12884	0.0819461	0.995894	0.25411	2.00722	0.171975
2.52625	1.06885	0.0730541	0.855646	0.201135	1.59158	0.142571
1.95669	1.02131	0.0728794	0.712081	0.145533	1.2642	0.110309
1.4565	0.997908	0.0645688	0.629883	0.111501	1.00531	0.0844182
1.11662	0.982817	0.0511274	0.563451	0.091212	0.821789	0.068581
0.824799	0.987425	0.0510307	0.509201	0.0789942	0.677769	0.0486258
0.624661	0.998873	0.0539311	0.474253	0.0586258	0.590268	0.0528097
0.485432	1.0114	0.0639671	0.448888	0.052324	0.514516	0.0419877
0.360759	1.03813	0.0641015	0.439285	0.0619266	0.470005	0.0337875
0.295291	1.06783	0.0669633	0.435349	0.0497591	0.440696	0.0389016
0.231438	1.09326	0.0741798	0.436853	0.0579241	0.424193	0.0387495
0.219043	1.12441	0.0787399	0.431503	0.0536226	0.415522	0.0332388
0.178611	1.15247	0.0737908	0.446256	0.0580101	0.408429	0.032897
0.179137	1.18329	0.0852458	0.45702	0.0619345	0.401088	0.0321218
0.181837	1.19932	0.0893441	0.465619	0.0653782	0.394602	0.037129
0.163251	1.21654	0.0886371	0.472622	0.0658093	0.404341	0.0328114
0.154999	1.22481	0.089394	0.479139	0.0757418	0.408361	0.0323227
0.17943	1.2238	0.090029	0.490562	0.0705054	0.418966	0.03505
0.177925	1.22328	0.0906855	0.498674	0.0774615	0.42114	0.0343264
0.210087	1.20405	0.0879674	0.515604	0.0752039	0.435291	0.0375256
0.21379	1.18783	0.0734355	0.51103	0.0859726	0.447773	0.0351021
0.246172	1.18295	0.0763366	0.518058	0.0775389	0.460986	0.0427404
0.259319	1.16188	0.0732436	0.513151	0.0778294	0.473506	0.0346694
0.286466	1.13895	0.066399	0.520118	0.064821	0.481906	0.0419616
0.300574	1.11047	0.0648459	0.517772	0.0721642	0.498333	0.0409041
0.32333	1.08857	0.0608382	0.515713	0.0769016	0.507576	0.0449691
0.336652	1.06631	0.0536377	0.510321	0.0686841	0.511766	0.0368668
0.386705	1.03951	0.0562582	0.512242	0.0708935	0.529377	0.0327129
0.406718	1.02039	0.0625783	0.503202	0.0722087	0.530136	0.0475164
0.419256	1.01097	0.0535226	0.500363	0.0633363	0.536228	0.0396697
0.371615	0.988862	0.0550076	0.494616	0.0617128	0.536842	0.0517814
0.375552	0.970465	0.0592776	0.48856	0.0641572	0.541704	0.0426934
0.380761	0.96191	0.0579486	0.483249	0.0679359	0.541783	0.0446009
0.366281	0.959218	0.0624579	0.468943	0.0617193	0.529335	0.049887
0.310866	0.958338	0.0625162	0.467741	0.0528721	0.526645	0.0553571
0.293787	0.949807	0.0628559	0.466197	0.0646975	0.51284	0.0495861
0.265387	0.947241	0.0619349	0.454895	0.0667171	0.518314	0.0635861
0.263664	0.949563	0.0597253	0.455649	0.0590531	0.510994	0.0600625

0.239323	0.949586	0.0601531	0.446184	0.0529012	0.501009	0.0676795
0.20151	0.952886	0.0523668	0.438833	0.0605439	0.494602	0.0704392
0.182293	0.958173	0.0491987	0.448904	0.0682066	0.483002	0.0837324
0.177616	0.96749	0.0616882	0.452047	0.0673244	0.490085	0.0813358
0.154393	0.969837	0.0636359	0.448615	0.0609147	0.487985	0.0845174
0.154072	0.97998	0.0649936	0.448209	0.0579059	0.482122	0.0796312
0.114836	0.974893	0.0555938	0.447372	0.0600655	0.481405	0.0875627
0.119183	0.977131	0.0562559	0.460188	0.0577207	0.48212	0.088649
0.124637	0.970829	0.0569205	0.455004	0.0604347	0.490327	0.08562
0.0990258	0.973648	0.0530231	0.46204	0.057163	0.481442	0.0833675
0.105388	0.973507	0.0510112	0.459646	0.0633873	0.478934	0.0706467
0.107512	0.955779	0.0536249	0.459404	0.0709501	0.486386	0.0715792
0.114997	0.950234	0.0594816	0.465048	0.0635551	0.492191	0.0722369
0.119884	0.946964	0.0632066	0.464595	0.0576193	0.488654	0.0706703
0.107877	0.945337	0.0545257	0.458018	0.0587977	0.480985	0.0767619
0.112351	0.947586	0.0517848	0.463312	0.0647178	0.489826	0.0618618
0.106332	0.942309	0.0543078	0.466665	0.0677396	0.489605	0.0659927
0.11404	0.943077	0.0473838	0.4647	0.0706412	0.48942	0.0530158
0.105791	0.946353	0.0541303	0.465523	0.0623014	0.489369	0.0664286
0.116616	0.928581	0.0557196	0.465494	0.0642478	0.485123	0.0481439
0.107601	0.926796	0.0625468	0.459797	0.0618275	0.482991	0.0516537
0.104479	0.928612	0.0510837	0.460955	0.0600459	0.48634	0.0484477
0.110972	0.917202	0.052172	0.458044	0.0594642	0.477237	0.0427297
0.0856878	0.910616	0.0553309	0.457272	0.0659642	0.48239	0.0440347
0.0966248	0.913599	0.0599032	0.461546	0.066204	0.489949	0.043745
0.109693	0.903571	0.0536792	0.453005	0.058198	0.494954	0.0375638
0.105158	0.891733	0.0574151	0.444533	0.0576705	0.48172	0.0390412
0.111329	0.887036	0.0518489	0.441326	0.0599543	0.490259	0.0428678
0.103886	0.884104	0.0459089	0.451184	0.0635569	0.483441	0.0366457
0.107036	0.891436	0.0570807	0.444151	0.0642872	0.494367	0.0386191
0.0975881	0.89357	0.0508015	0.450207	0.0605744	0.484012	0.0363178
0.0956286	0.893497	0.0529496	0.442195	0.0577774	0.496061	0.0394199
0.114313	0.889824	0.0552349	0.445829	0.0605803	0.492909	0.0344918
0.140166	0.891016	0.0523136	0.447144	0.0488557	0.489592	0.0379214
0.121139	0.899487	0.0506571	0.45543	0.0543712	0.490277	0.0364788
0.100607	0.904651	0.0577001	0.446332	0.0534447	0.493947	0.040404
0.140177	0.902841	0.0433651	0.45942	0.0464325	0.507118	0.0405272
0.139595	0.903527	0.0520583	0.452295	0.0469341	0.509601	0.0269612
0.130291	0.908797	0.0487619	0.457698	0.0573051	0.517932	0.0372214
0.141934	0.923197	0.0436261	0.466695	0.0467316	0.529321	0.0449686
0.168186	0.92241	0.0556714	0.465329	0.0478154	0.536827	0.0488036
0.161584	0.925891	0.0477818	0.474809	0.0530765	0.546774	0.0400659
0.183394	0.935068	0.0483851	0.475908	0.0536258	0.554946	0.0431185
0.185237	0.942821	0.0468763	0.475854	0.0470964	0.576167	0.0407528
0.211069	0.93519	0.0479648	0.483879	0.0546683	0.58023	0.040752
0.212701	0.938114	0.0465401	0.489424	0.054454	0.579291	0.0462271
0.211772	0.942098	0.0480756	0.493763	0.0599562	0.588157	0.0479928

0.21523	0.944767	0.0452953	0.501153	0.0558547	0.59655	0.0452477
0.267783	0.951486	0.0429054	0.493337	0.059477	0.606089	0.0512384
0.217568	0.944481	0.0395433	0.494171	0.0573739	0.606887	0.0473102
0.263352	0.953397	0.0535906	0.495938	0.0601603	0.599401	0.0465667
0.241577	0.955098	0.0523374	0.496272	0.0606185	0.599404	0.0428862
0.240196	0.950016	0.0439409	0.499254	0.0640947	0.600043	0.044774
0.267886	0.949683	0.0435456	0.49497	0.0612241	0.592889	0.0445035
0.248756	0.949833	0.0516228	0.488585	0.0661872	0.590607	0.0488613
0.232097	0.944505	0.0519528	0.485656	0.0554956	0.576749	0.0370544
0.227129	0.948604	0.0514881	0.482907	0.0573227	0.581052	0.0300366
0.231706	0.951507	0.0494571	0.478094	0.0502083	0.563997	0.0406183
0.226277	0.956868	0.0479285	0.483469	0.0547166	0.564382	0.0426423
0.227101	0.965098	0.0479768	0.477143	0.0430273	0.563623	0.0360813
0.198007	0.971804	0.0439043	0.482603	0.0576218	0.556934	0.0355999
0.195566	0.975183	0.0477251	0.475274	0.058077	0.552871	0.0316167
0.174351	0.976961	0.0472091	0.477585	0.0549095	0.548699	0.0385979
0.184482	0.990757	0.0517089	0.474406	0.0541867	0.553451	0.0410961
0.177815	0.997215	0.0470506	0.482161	0.0569496	0.557962	0.0464594
0.172905	1.00435	0.0533798	0.475933	0.050881	0.55086	0.0422359
0.177777	1.02075	0.049827	0.487059	0.0539117	0.553285	0.0366171
0.157701	1.02977	0.0560179	0.482865	0.050365	0.556171	0.0463488
0.153105	1.02999	0.0580947	0.480144	0.0524789	0.555309	0.0401321
0.149825	1.04374	0.0604038	0.486208	0.0510979	0.569942	0.0328322
0.149388	1.0555	0.0604657	0.490277	0.0569969	0.558293	0.0452767
0.100961	1.06701	0.0484581	0.497849	0.046848	0.577966	0.044881
0.139985	1.07781	0.0631206	0.492121	0.0500057	0.575338	0.0484218
0.125408	1.08914	0.0645734	0.502941	0.0560674	0.573061	0.0462462
0.115112	1.08802	0.0582639	0.506949	0.0615067	0.585705	0.0463827
0.136573	1.10534	0.0625755	0.507747	0.0545955	0.583235	0.0474614
0.116914	1.1255	0.0659912	0.508599	0.0519391	0.585858	0.0443639
0.11968	1.13141	0.0731253	0.508392	0.056983	0.597228	0.04645
0.0953681	1.15162	0.0750047	0.521514	0.0588211	0.589419	0.0525044
0.0993864	1.15232	0.0746848	0.518647	0.0597634	0.606957	0.0450545
0.113893	1.1551	0.080002	0.519956	0.0590579	0.60267	0.0430324
0.102234	1.16983	0.0894533	0.528839	0.0651164	0.613281	0.0546689
0.100125	1.1893	0.0852721	0.53174	0.0630769	0.614482	0.0416395
0.104779	1.20651	0.0823271	0.541744	0.0714383	0.623381	0.0502625
0.113182	1.22277	0.0951548	0.544519	0.0574875	0.611587	0.0518808
0.120008	1.22776	0.0909103	0.549907	0.0615972	0.638781	0.0475032
0.101536	1.23816	0.0878654	0.557596	0.0746422	0.629826	0.0489991
0.106209	1.25158	0.0949434	0.554834	0.0691966	0.642675	0.0435933
0.101772	1.26659	0.0989945	0.563054	0.0640514	0.634114	0.0480808
0.111063	1.28313	0.0966303	0.579214	0.0812915	0.65394	0.0486887
0.106265	1.29427	0.0978902	0.565969	0.064758	0.659959	0.0510101
0.112765	1.31188	0.0906657	0.58448	0.0767114	0.668679	0.0457487
0.109546	1.33123	0.0944289	0.585387	0.0714786	0.683328	0.0597014
0.0959754	1.35646	0.0914292	0.600997	0.0757611	0.696263	0.0587796

0.0986272	1.37365	0.109913	0.605784	0.0797692	0.716389	0.0434225
0.111244	1.3956	0.108055	0.616379	0.0752908	0.733399	0.0556829
0.109576	1.40873	0.0998991	0.630181	0.0825142	0.762234	0.0530671
0.124514	1.42707	0.0931185	0.637595	0.0775188	0.778369	0.0474859
0.132466	1.4497	0.105576	0.648717	0.0797071	0.814543	0.0453475
0.107465	1.46131	0.104742	0.66565	0.0855513	0.83898	0.0536224
0.121345	1.48402	0.0865545	0.672157	0.0800394	0.869035	0.0500474
0.121525	1.50007	0.0974198	0.685074	0.075741	0.902035	0.0468661
0.0974662	1.51212	0.0981638	0.699254	0.0932091	0.931838	0.0694084
0.0997277	1.50593	0.0932069	0.717821	0.088717	0.951119	0.0699575
0.106369	1.51957	0.0903157	0.736347	0.0786742	0.975344	0.062439
0.125371	1.53356	0.082873	0.738861	0.0776036	0.978991	0.0607615
0.107215	1.52073	0.0870462	0.745118	0.0820754	1.00295	0.0673997
0.102887	1.51985	0.087795	0.745417	0.0790102	0.997341	0.058588
0.116002	1.51104	0.078524	0.754793	0.0895043	0.99607	0.0716464
0.119942	1.4991	0.0797169	0.745091	0.087418	0.981326	0.0670539
0.110054	1.50127	0.0802391	0.746429	0.0861003	0.977253	0.0702543
0.121189	1.48776	0.0764272	0.752824	0.088283	0.946736	0.0594436
0.127786	1.49568	0.0691331	0.737617	0.0884952	0.93141	0.0547967
0.10163	1.47986	0.0685322	0.736386	0.0845716	0.910098	0.066991
0.131457	1.46264	0.0782369	0.725901	0.078551	0.87532	0.06174
0.129522	1.46254	0.077536	0.727076	0.0765138	0.856714	0.0592957
0.116715	1.46593	0.0791023	0.707497	0.0745259	0.828916	0.0607172
0.119186	1.45548	0.0806012	0.707354	0.0748536	0.810036	0.0602629
0.119706	1.45712	0.0780898	0.698242	0.0738303	0.805187	0.0619163
0.127488	1.45464	0.0839931	0.692975	0.0834936	0.788724	0.0522901
0.12951	1.44791	0.0791638	0.676699	0.0740966	0.769893	0.0577744
0.111333	1.45126	0.0806122	0.687694	0.0766131	0.759177	0.0496366
0.115274	1.4638	0.0789038	0.682268	0.06378	0.749593	0.057582
0.130557	1.45484	0.0757527	0.67995	0.0740189	0.744677	0.0576745
0.130787	1.46027	0.0947016	0.681228	0.0748137	0.730918	0.0543545
0.115063	1.45879	0.0848792	0.673913	0.0688411	0.728116	0.0540607
0.129937	1.45405	0.0709876	0.678709	0.0565981	0.741078	0.0573711
0.133075	1.46412	0.0946729	0.686596	0.0662865	0.735098	0.0564154
0.122555	1.46872	0.0932926	0.687669	0.0627953	0.741219	0.0485724
0.140359	1.4625	0.0834404	0.682345	0.0592416	0.733568	0.057408
0.110717	1.46182	0.0977664	0.676928	0.0611871	0.726604	0.050198
0.103571	1.47381	0.0893253	0.692047	0.0664222	0.724592	0.0580498
0.129624	1.45664	0.0811133	0.685647	0.0565706	0.732702	0.0477554
0.144031	1.4662	0.0858918	0.688029	0.0534326	0.731253	0.0488882
0.112192	1.45196	0.0859922	0.684497	0.0489543	0.7269	0.0529937
0.12518	1.45174	0.0820036	0.691247	0.0594911	0.738753	0.0366997
0.130511	1.46747	0.0992565	0.680406	0.0654076	0.73133	0.0530785
0.118723	1.45933	0.0762015	0.678487	0.0612776	0.729637	0.0426805
0.11636	1.46283	0.0781547	0.67693	0.0555937	0.723904	0.0498202
0.131096	1.44634	0.082724	0.681393	0.0522278	0.723105	0.0517714
0.143549	1.44201	0.0858348	0.687733	0.0526539	0.714817	0.0467929

0.136276	1.45242	0.0873006	0.689451	0.0521975	0.731521	0.0462185
0.126007	1.44528	0.084596	0.690703	0.0574705	0.715024	0.0420244
0.130741	1.43918	0.0824084	0.687913	0.0530957	0.72331	0.044195
0.139856	1.43417	0.0926384	0.677398	0.0538715	0.715612	0.0427187
0.126269	1.43607	0.0948336	0.674555	0.0594002	0.706387	0.0529919
0.149448	1.43897	0.0835318	0.687769	0.0597779	0.69702	0.0447088
0.148618	1.43942	0.0840978	0.682086	0.0590175	0.707963	0.0405342
0.176727	1.44247	0.0878757	0.680799	0.049923	0.704263	0.0417453
0.157729	1.43168	0.0868608	0.673746	0.0647753	0.705942	0.0396809
0.140273	1.42993	0.0837346	0.67168	0.0566203	0.716826	0.0362717
0.145458	1.43225	0.0846835	0.680466	0.0568194	0.708044	0.0383841
0.157558	1.42493	0.0844184	0.675313	0.058188	0.702459	0.0487179
0.149854	1.43644	0.0897241	0.680962	0.0565477	0.697253	0.0385034
0.177615	1.42284	0.0805134	0.674271	0.0538832	0.715939	0.0350569
0.161862	1.428	0.0791623	0.676304	0.0578812	0.706813	0.0392494
0.148426	1.4341	0.0826446	0.680857	0.0633094	0.706298	0.0384029
0.178968	1.42731	0.0904582	0.675371	0.049972	0.723015	0.0455593
0.175119	1.42123	0.0813506	0.671137	0.0564534	0.720855	0.0403153
0.169396	1.42402	0.0761734	0.679774	0.0531446	0.722385	0.0356037
0.178347	1.43277	0.0802456	0.666996	0.0553267	0.724746	0.0381882
0.156199	1.43029	0.0776472	0.674625	0.0606538	0.722913	0.0371799
0.149483	1.43258	0.0740146	0.679693	0.0592796	0.726121	0.0412048
0.153729	1.42644	0.0760987	0.683367	0.064441	0.745147	0.0393016
0.148997	1.42871	0.0804492	0.678533	0.0530732	0.738521	0.0434697
0.147587	1.43095	0.0898775	0.683492	0.0607816	0.749332	0.0449964
0.153141	1.42735	0.0733113	0.672703	0.0527252	0.74742	0.0384829
0.13044	1.43407	0.0822363	0.666256	0.0661105	0.758117	0.0426639
0.1327	1.43051	0.0703865	0.678221	0.0566225	0.763687	0.0439412
0.143774	1.42891	0.0738019	0.68928	0.0569503	0.75394	0.0444991
0.160439	1.42771	0.0750869	0.683008	0.0570962	0.755614	0.0322368
0.140228	1.42443	0.0743853	0.6862	0.0564705	0.742444	0.0479825
0.128434	1.421	0.064614	0.674476	0.0592512	0.75518	0.0360921
0.132323	1.41954	0.0602367	0.677305	0.0547401	0.753817	0.0426651
0.139347	1.42117	0.0639833	0.679967	0.0559991	0.748533	0.0390675
0.151528	1.43177	0.0715197	0.682718	0.0623105	0.745884	0.037312
0.137552	1.42573	0.0761374	0.683741	0.0482168	0.752362	0.0338552
0.148017	1.42565	0.0755555	0.675258	0.0495927	0.739711	0.0445456
0.126374	1.42398	0.0627133	0.677397	0.0512878	0.74545	0.0421443
0.131907	1.42435	0.0747298	0.684295	0.0660261	0.737237	0.0358137
0.124387	1.4239	0.0723194	0.682904	0.047258	0.736862	0.0375312
0.113901	1.43056	0.0707082	0.68522	0.0495224	0.728491	0.0494707
0.106511	1.43785	0.0728798	0.681095	0.0590283	0.735471	0.0364231
0.100003	1.43852	0.0726106	0.691886	0.0540961	0.744929	0.0349661
0.113532	1.43773	0.0664133	0.689904	0.0525229	0.738242	0.0434046
0.115479	1.44136	0.0591987	0.688596	0.0486318	0.745958	0.0407946
0.0973816	1.43503	0.066186	0.688698	0.0573378	0.74937	0.0488894
0.116596	1.44782	0.0673478	0.693072	0.0527958	0.742546	0.0436018

0.12733	1.46201	0.064085	0.701945	0.0493321	0.752577	0.0503197
0.103567	1.45823	0.073576	0.70256	0.0553229	0.759288	0.0411441
0.114731	1.46066	0.0518151	0.699135	0.0527816	0.76338	0.0416992
0.0864103	1.46554	0.0577179	0.706642	0.0553796	0.755107	0.0366157
0.102652	1.47524	0.0619933	0.70869	0.0532072	0.771793	0.0483243
0.110633	1.49206	0.0765503	0.710195	0.0557015	0.777158	0.0490705
0.108219	1.50115	0.0740523	0.724573	0.0514681	0.790668	0.0249848
0.0929882	1.49985	0.0736347	0.721568	0.0577958	0.789826	0.0467696
0.107978	1.50052	0.0613065	0.709895	0.0503488	0.795873	0.042744
0.0921147	1.5048	0.0565175	0.725835	0.059349	0.797704	0.0501656
0.109468	1.5107	0.0673994	0.728825	0.0576603	0.793442	0.0486732
0.0997048	1.5126	0.0724425	0.728089	0.0557355	0.815747	0.0361851
0.101014	1.51108	0.0677963	0.72819	0.0564205	0.810566	0.0509148
0.0949478	1.52205	0.0771082	0.724842	0.0529003	0.807529	0.0470599
0.124819	1.52687	0.081972	0.734444	0.056922	0.814768	0.0392135
0.114417	1.52307	0.0782438	0.729813	0.0568382	0.813457	0.042182
0.105116	1.53602	0.0827066	0.747336	0.0519527	0.814479	0.0383847
0.13312	1.53975	0.0826963	0.748136	0.0631964	0.810587	0.0491775
0.105803	1.54167	0.0769634	0.739059	0.0575539	0.812804	0.0396101
0.141253	1.54945	0.081095	0.746509	0.0661577	0.812312	0.0389265
0.119535	1.54151	0.0802948	0.744183	0.0691603	0.804545	0.0519286
0.126789	1.5529	0.0767267	0.739053	0.0626825	0.801772	0.042699
0.127347	1.55556	0.0695443	0.755672	0.0631265	0.812699	0.047273
0.133267	1.55205	0.0736161	0.743988	0.0629309	0.81481	0.0440766
0.118152	1.54619	0.07579	0.754696	0.0581053	0.803433	0.0438268
0.138595	1.55032	0.0696044	0.754305	0.0597397	0.801877	0.0475628
0.133465	1.55694	0.0637263	0.750389	0.0640989	0.797165	0.0493592
0.128714	1.55885	0.0688473	0.752321	0.063207	0.793631	0.045193
0.126074	1.55541	0.0702426	0.749311	0.0587598	0.801961	0.0436202
0.125741	1.55698	0.0640503	0.754446	0.0554944	0.799126	0.055086
0.140655	1.55154	0.0623909	0.752119	0.0655757	0.801564	0.0424261
0.127346	1.56089	0.0733978	0.749856	0.0666222	0.800035	0.0363693
0.129572	1.56661	0.0684013	0.759447	0.0644025	0.801081	0.0442136
0.119106	1.56384	0.0745823	0.759052	0.0639786	0.791772	0.0613219
0.124878	1.56047	0.0789593	0.76074	0.0654077	0.796291	0.0487655
0.120441	1.56229	0.0577207	0.756411	0.0605393	0.790899	0.0492933
0.120574	1.56481	0.0613023	0.75915	0.0538275	0.800428	0.0615938
0.110327	1.57068	0.0702538	0.761205	0.0597949	0.800733	0.0340748
0.125751	1.57142	0.0695562	0.763558	0.0704736	0.806813	0.0513196
0.116677	1.57608	0.0592985	0.757293	0.0562213	0.805177	0.0534771
0.0997382	1.58083	0.0669258	0.763829	0.0583867	0.802575	0.057773
0.112855	1.5721	0.0707836	0.766819	0.062463	0.797343	0.0462066
0.0964331	1.57163	0.0705061	0.768036	0.0559786	0.807705	0.0461591
0.120216	1.57596	0.0726533	0.75997	0.0598332	0.798517	0.0474374
0.0954949	1.57909	0.0770238	0.781376	0.0550849	0.803479	0.0445884
0.11373	1.57918	0.0786322	0.778394	0.0620065	0.808577	0.0468623
0.0996956	1.56716	0.0721334	0.769866	0.0529928	0.798053	0.043234

0.104135	1.56763	0.064515	0.779272	0.0519322	0.801878	0.0461123
0.122797	1.56109	0.0689022	0.780185	0.0637278	0.807569	0.0451369
0.130519	1.57561	0.0771475	0.788644	0.0664932	0.806562	0.0490311
0.12435	1.57767	0.0680973	0.777092	0.0500322	0.803807	0.0412602
0.110387	1.57506	0.0582271	0.786307	0.048273	0.7974	0.0400097
0.107734	1.57339	0.0658025	0.794014	0.0580038	0.794778	0.0465919
0.120612	1.57794	0.0636144	0.79036	0.0565468	0.802918	0.0450892
0.136106	1.57751	0.0662865	0.79721	0.0677277	0.806416	0.0410566
0.11363	1.58694	0.0732274	0.801145	0.053955	0.802711	0.0465478
0.123941	1.57748	0.0717567	0.809603	0.0646253	0.807226	0.0501288
0.142552	1.58299	0.0706363	0.805598	0.0612991	0.806218	0.0409289
0.118101	1.58174	0.0585242	0.818462	0.0719463	0.805016	0.0496787
0.15518	1.58502	0.0587863	0.818702	0.0603227	0.807084	0.0386712
0.160735	1.58493	0.071372	0.830341	0.0655625	0.808609	0.038869
0.147355	1.59009	0.0717941	0.824689	0.069106	0.80424	0.0401795
0.136205	1.58796	0.0698703	0.830984	0.070482	0.808446	0.0491096
0.127383	1.57521	0.0783181	0.824256	0.071608	0.80423	0.039639
0.140695	1.56836	0.0732019	0.822285	0.0707647	0.799663	0.0424809
0.154621	1.56857	0.0690545	0.828928	0.0536488	0.81345	0.0494668
0.145037	1.56341	0.068504	0.831632	0.075699	0.800727	0.0432205
0.139299	1.5549	0.0649954	0.821443	0.065727	0.803284	0.0463589
0.156506	1.57361	0.076402	0.829545	0.0597551	0.802543	0.0419754
0.118228	1.56426	0.0695018	0.814159	0.0749875	0.805624	0.0472321
0.166047	1.56258	0.0655978	0.807905	0.0682965	0.790529	0.0390317
0.129375	1.55306	0.0681627	0.805571	0.0529738	0.794593	0.0492651
0.128036	1.55747	0.0533595	0.802881	0.0661912	0.798747	0.0382495
0.153714	1.55044	0.0567079	0.78638	0.0572224	0.803587	0.0590674
0.136165	1.55177	0.0594334	0.788948	0.0588802	0.792952	0.0479382
0.130034	1.5511	0.0594069	0.799351	0.0520464	0.803411	0.0463048
0.120909	1.54476	0.0647086	0.780732	0.0497616	0.797103	0.0429976
0.121381	1.54006	0.0723961	0.796192	0.0523929	0.805882	0.0503047
0.122273	1.54432	0.0712991	0.781112	0.0511034	0.800564	0.0374798
0.116813	1.53103	0.0677252	0.781111	0.0421346	0.795236	0.0468855
0.121112	1.53726	0.0651253	0.767379	0.0506091	0.790283	0.0436326
0.107763	1.53675	0.0654749	0.767135	0.0460797	0.791099	0.0462539
0.0930421	1.53696	0.0667607	0.763834	0.0415229	0.79101	0.037477
0.128549	1.53587	0.0634537	0.779912	0.0491864	0.78892	0.0345875
0.108321	1.53982	0.0550708	0.781744	0.0422293	0.776443	0.0395642
0.115789	1.53355	0.0654397	0.764008	0.0463258	0.799896	0.0520658
0.133302	1.52896	0.0613919	0.777059	0.0389091	0.797168	0.045362
0.109531	1.5335	0.0576506	0.768997	0.0425294	0.789252	0.0458159
0.101351	1.53498	0.0557406	0.777057	0.0447304	0.779545	0.0417192
0.12186	1.53502	0.0617743	0.770315	0.0480907	0.798378	0.0417272
0.127702	1.53488	0.0604936	0.771572	0.0489533	0.791945	0.0410373
0.12629	1.53853	0.0555329	0.765965	0.0484983	0.780523	0.0374345
0.121473	1.53337	0.0666688	0.766403	0.0452696	0.793591	0.0415964
0.117611	1.53945	0.0588993	0.771906	0.0488304	0.783305	0.0399279

0.134219	1.53108	0.0667765	0.763935	0.0523155	0.785684	0.0445043
0.134347	1.52848	0.0701449	0.769154	0.0435145	0.80099	0.0461264
0.125737	1.54123	0.0624605	0.772706	0.0464552	0.793613	0.0459674
0.0937242	1.5386	0.0581081	0.778956	0.0550613	0.811638	0.0466851
0.107025	1.53422	0.0558564	0.778468	0.0635104	0.802683	0.0372577
0.102598	1.53267	0.0518984	0.777767	0.0522141	0.811126	0.0515974
0.124164	1.532	0.0609812	0.775592	0.0492324	0.813369	0.0538791
0.113545	1.53864	0.0635382	0.792342	0.0571504	0.822516	0.050985
0.0962854	1.52811	0.0605505	0.780608	0.0580237	0.823679	0.0382978
0.0916729	1.5312	0.0654952	0.782932	0.0491395	0.820683	0.0472139
0.122175	1.52481	0.0703936	0.782882	0.0525794	0.834329	0.0486966
0.119316	1.53179	0.0608043	0.787682	0.0552238	0.838448	0.0552162
0.108993	1.53094	0.0643771	0.791934	0.0524261	0.836264	0.0475845
0.122923	1.53292	0.0561144	0.793335	0.0630411	0.83189	0.0424029
0.126043	1.53059	0.0593528	0.791985	0.0656933	0.840648	0.0534698
0.117316	1.52673	0.0678479	0.797435	0.0629854	0.841905	0.0488257
0.0966087	1.5197	0.0673275	0.798116	0.0680535	0.846002	0.0545543
0.111149	1.51803	0.0700699	0.790168	0.0661879	0.824411	0.0635993
0.117772	1.50372	0.0607611	0.793897	0.060715	0.849549	0.0600047
0.117138	1.50433	0.0510343	0.796367	0.0632465	0.836271	0.0531544
0.102703	1.50482	0.0547119	0.782362	0.0533161	0.829873	0.0651703
0.119977	1.5075	0.061281	0.777732	0.0595509	0.824838	0.0545876
0.105531	1.50015	0.0587242	0.776193	0.0529735	0.824902	0.0551116
0.126841	1.49402	0.0558405	0.773407	0.0636627	0.805467	0.056041
0.116562	1.49149	0.0517557	0.770556	0.0578345	0.797621	0.0499634
0.111971	1.49072	0.0596235	0.767164	0.0475061	0.801479	0.0592235
0.109037	1.48207	0.0596705	0.758278	0.0498877	0.794264	0.0599751
0.104749	1.49471	0.0559577	0.763949	0.0481993	0.779729	0.0542444
0.109255	1.48922	0.0521746	0.757874	0.0414251	0.77721	0.0485145
0.11438	1.48055	0.047977	0.753478	0.0453979	0.781762	0.0607356
0.0945218	1.47757	0.0621726	0.748391	0.0484535	0.771867	0.0477799
0.10174	1.4862	0.062023	0.75371	0.0499029	0.761806	0.0504145
0.107972	1.47955	0.0602048	0.744635	0.0568326	0.764948	0.0422283
0.123813	1.46933	0.0607988	0.752556	0.0496103	0.756094	0.0409968
0.0952014	1.46772	0.0541214	0.756894	0.0556572	0.763287	0.0471034
0.135145	1.46862	0.0547373	0.74769	0.0519924	0.753339	0.0411459
0.103407	1.46153	0.0588223	0.746542	0.054731	0.753225	0.0422874
0.107641	1.47377	0.0507262	0.739047	0.0503094	0.760197	0.0576463
0.118156	1.48108	0.0490915	0.736207	0.051418	0.760412	0.0445954
0.0897647	1.46726	0.0548435	0.744451	0.0524598	0.760693	0.0371283
0.109571	1.44943	0.0502261	0.741	0.0580138	0.741443	0.0387979
0.117554	1.45583	0.0599534	0.740248	0.0566227	0.755355	0.0435005
0.104986	1.46923	0.059348	0.734245	0.0505046	0.745192	0.0413415
0.119706	1.46739	0.0600514	0.738171	0.0551344	0.747067	0.0438906
0.100902	1.46567	0.0590657	0.739293	0.0547999	0.746533	0.0405718
0.116636	1.45815	0.0585188	0.742295	0.0559217	0.746096	0.0447626
0.116317	1.44938	0.0560432	0.738646	0.0473141	0.752568	0.0391208



0.114914	1.45371	0.0545629	0.732818	0.0504899	0.745195	0.0398837
0.130613	1.45288	0.0580172	0.737833	0.0430191	0.745103	0.042018
0.120375	1.4571	0.0584201	0.731133	0.0615085	0.740647	0.037223
0.117448	1.45596	0.0553873	0.737333	0.0544944	0.736876	0.0447853
0.120181	1.4581	0.0629995	0.73952	0.0488411	0.741673	0.0396074
0.13542	1.4483	0.0562951	0.733849	0.0502776	0.741609	0.0463985
0.123395	1.4526	0.0526361	0.723043	0.0559598	0.741791	0.0439341
0.109578	1.45505	0.0588559	0.722679	0.0531836	0.754304	0.0444128
0.116429	1.45333	0.0628687	0.732335	0.0530789	0.738958	0.0388653
0.127539	1.45306	0.0606069	0.726365	0.0531308	0.745253	0.0372756
0.141349	1.44904	0.0611978	0.735287	0.0441106	0.748884	0.0383395
0.110686	1.45304	0.0702767	0.726486	0.0423018	0.727948	0.0312685
0.119289	1.44245	0.0610482	0.716734	0.0449344	0.738494	0.0375602
0.12643	1.43848	0.0584353	0.731278	0.0486147	0.731843	0.0337077
0.133294	1.44612	0.0598928	0.72637	0.0554235	0.735571	0.038458
0.120555	1.44431	0.0626223	0.722173	0.051607	0.726496	0.0358794
0.116849	1.44583	0.0622106	0.733304	0.048825	0.727046	0.0330033
0.127674	1.45108	0.0608255	0.727789	0.0406132	0.722478	0.0422693
0.1346	1.44883	0.0625487	0.725192	0.0427397	0.726108	0.0300383
0.118696	1.44524	0.0556799	0.727931	0.0503624	0.715039	0.0359449
0.119205	1.44488	0.0528755	0.722378	0.0402644	0.715462	0.0388813
0.127663	1.44211	0.0530483	0.725321	0.0457366	0.730783	0.0328245
0.113933	1.43794	0.0603954	0.71587	0.0477017	0.722759	0.0314694
0.133134	1.44337	0.0675583	0.72142	0.0503917	0.722292	0.032909
0.123874	1.44552	0.0547399	0.717727	0.0502287	0.727508	0.0411293
0.117315	1.44608	0.0547304	0.724234	0.0438371	0.726391	0.0338682
0.114393	1.44548	0.054883	0.715634	0.0552907	0.715543	0.0355487
0.112568	1.44961	0.0563291	0.719113	0.0427315	0.718196	0.0401164
0.109852	1.45263	0.0577055	0.716042	0.0480262	0.722044	0.0371636
0.10579	1.44504	0.055743	0.714085	0.0525491	0.719988	0.027324
0.106494	1.44864	0.057704	0.724451	0.0407932	0.723548	0.0384499
0.106722	1.44982	0.0552133	0.720981	0.0472071	0.712051	0.0356444
0.112546	1.44288	0.0518074	0.715406	0.0451563	0.718495	0.0349925
0.101032	1.44106	0.0511899	0.725979	0.0548072	0.716048	0.0369409
0.100331	1.44964	0.0512486	0.713557	0.0386812	0.729548	0.0321596
0.108138	1.44274	0.0471421	0.715368	0.0395173	0.722097	0.0320038
0.112448	1.43545	0.0531765	0.716685	0.0491949	0.726867	0.0388908
0.10246	1.44043	0.0523568	0.708658	0.0399995	0.725204	0.0323259
0.090305	1.44907	0.0527732	0.711863	0.0516793	0.716204	0.0326056
0.106735	1.4467	0.0535375	0.712235	0.0487612	0.717183	0.0333776
0.118077	1.44343	0.0608723	0.717225	0.0433395	0.72088	0.041923
0.096478	1.45058	0.0523891	0.713871	0.0460109	0.712876	0.042581
0.0832042	1.44363	0.0508161	0.711503	0.0473238	0.722856	0.0366014
0.117023	1.43842	0.0532124	0.701758	0.0463577	0.711417	0.0455133
0.0926013	1.44248	0.0579004	0.714115	0.0435705	0.717366	0.0452398
0.100939	1.44724	0.0596303	0.713043	0.0452317	0.72077	0.0391757
0.120275	1.44093	0.0566159	0.711543	0.0464278	0.708272	0.0392626

0.0939606	1.44359	0.0616014	0.708812	0.0369639	0.721427	0.0378637
0.0842214	1.45007	0.062405	0.70272	0.0426486	0.708915	0.0300002
0.0999885	1.43869	0.0611387	0.715645	0.0480288	0.703048	0.0322299
0.110293	1.4322	0.0607602	0.707316	0.0478565	0.70996	0.0336835
0.0776421	1.43642	0.056165	0.712483	0.0442152	0.712322	0.0482027
0.0915889	1.44318	0.0667222	0.712262	0.0404747	0.706357	0.0360474
0.086063	1.4446	0.0705593	0.713571	0.0413902	0.709612	0.0293688
0.101992	1.43383	0.0660199	0.703638	0.0456606	0.714095	0.0390504
0.0746534	1.43732	0.0646394	0.70297	0.0426774	0.713744	0.04198
0.0855542	1.44026	0.0710845	0.712357	0.0462822	0.720351	0.0346563
0.108161	1.44099	0.0664617	0.706174	0.0451315	0.707926	0.0366404
0.101956	1.44192	0.0636711	0.70777	0.0499448	0.708499	0.0393154
0.0910303	1.43313	0.0686477	0.711913	0.0403623	0.708991	0.0369952
0.0939386	1.43238	0.0681786	0.706604	0.039825	0.704686	0.0365297
0.0945612	1.43492	0.0659388	0.709312	0.0498011	0.704779	0.0271222
0.0961785	1.43405	0.0602211	0.704673	0.0329015	0.711034	0.047597
0.0952835	1.43015	0.0538639	0.709054	0.0407793	0.715312	0.0391871
0.0975665	1.42829	0.0679791	0.699821	0.034378	0.707416	0.0311132
0.0833344	1.42968	0.0701344	0.706547	0.0406763	0.704723	0.0428949
0.0986814	1.43243	0.0627319	0.700816	0.0352045	0.704986	0.0397759
0.102459	1.42978	0.063488	0.701931	0.042045	0.709106	0.0370273
0.102086	1.43046	0.0650735	0.698764	0.0430619	0.708581	0.0397009
0.0907508	1.42747	0.0607949	0.70484	0.0438915	0.705243	0.0355643
0.084617	1.42464	0.0593368	0.694686	0.0365648	0.701459	0.0341421
0.0800393	1.42835	0.0558812	0.71293	0.0318291	0.702776	0.0411242
0.0893979	1.43225	0.0626138	0.701373	0.0441493	0.715643	0.0378789
0.0848255	1.43469	0.0676252	0.708654	0.034705	0.705705	0.0321479
0.10123	1.42808	0.0608416	0.713249	0.0427223	0.70646	0.0341822
0.0834103	1.43078	0.0573655	0.70319	0.0415474	0.713435	0.0447263
0.08442	1.43152	0.0618994	0.707951	0.0414091	0.706478	0.0435314
0.092184	1.43013	0.0700764	0.698384	0.0468413	0.711652	0.0388516
0.0847422	1.42726	0.0681325	0.703888	0.0408153	0.706329	0.0365042
0.10528	1.42626	0.0660946	0.716766	0.045921	0.710823	0.0448864
0.088319	1.43071	0.066968	0.698231	0.0444724	0.697274	0.040783
0.0879489	1.42432	0.0626167	0.70237	0.040989	0.719305	0.0316244
0.0747808	1.42808	0.0545267	0.708323	0.044114	0.703831	0.0297215
0.107153	1.43291	0.0533226	0.701672	0.0456043	0.710519	0.0349561
0.0922435	1.43258	0.0547848	0.706459	0.0466093	0.70611	0.0350053
0.0946685	1.43331	0.0627637	0.70808	0.0395232	0.709816	0.0433641
0.0831862	1.42854	0.0692448	0.694842	0.0477242	0.717435	0.0387902
0.0808928	1.42404	0.067044	0.708871	0.0436945	0.706019	0.0503785
0.0936033	1.42579	0.0651897	0.710633	0.0454222	0.714552	0.0438861
0.0909978	1.4285	0.0662643	0.701262	0.0507984	0.702076	0.0301835
0.0899109	1.4258	0.0579193	0.710524	0.0468911	0.70807	0.0410478
0.0869359	1.4187	0.0516015	0.704519	0.0323442	0.705759	0.0343498
0.102791	1.41786	0.0571067	0.704325	0.038557	0.69322	0.0435681
0.103897	1.4193	0.0615703	0.6882	0.039008	0.70776	0.0305519

0.111141	1.41779	0.0572319	0.702602	0.0407582	0.707954	0.0361382
0.0930845	1.42381	0.0564567	0.710208	0.0353545	0.69587	0.0412692
0.100337	1.42428	0.058445	0.711408	0.0352387	0.696859	0.041147
0.0970268	1.42523	0.0537068	0.708877	0.0526105	0.697988	0.0345394
0.0934533	1.42188	0.05259	0.688264	0.0354081	0.690446	0.0323362
0.102269	1.41116	0.0492129	0.700696	0.0445768	0.691817	0.0348633
0.103097	1.41164	0.0474799	0.704712	0.0420848	0.698726	0.0396029
0.0917362	1.41244	0.0506337	0.704338	0.0347312	0.698793	0.0304982
0.0870884	1.41048	0.047564	0.710483	0.0362231	0.694688	0.0396707
0.0914956	1.40736	0.0410239	0.701478	0.0327707	0.701924	0.0396269
0.0828858	1.40345	0.0459529	0.705594	0.0414773	0.689736	0.0389484
0.0814288	1.40104	0.0569702	0.698025	0.0385372	0.68755	0.0389658
0.0839852	1.40193	0.0569253	0.696273	0.0389343	0.677546	0.0379909
0.0635735	1.40638	0.0517255	0.699004	0.0446172	0.68621	0.0382456
0.0941396	1.40429	0.0524744	0.697212	0.0332009	0.689365	0.0387463
0.0809527	1.39767	0.0545313	0.686953	0.0435552	0.683576	0.0422947
0.066298	1.39922	0.0539372	0.68505	0.0411085	0.6898	0.0387223
0.085098	1.40097	0.0496372	0.689762	0.0285716	0.683834	0.0367775
0.0920013	1.39478	0.0478433	0.690435	0.0374579	0.681249	0.0302107
0.0750664	1.39054	0.0516981	0.682171	0.0425431	0.688506	0.0430949
0.075285	1.38561	0.0553938	0.676238	0.0315671	0.67548	0.036499
0.0833774	1.37985	0.0547451	0.689547	0.0415949	0.680883	0.0356976
0.101601	1.37685	0.0480913	0.686722	0.0427786	0.672187	0.0353369
0.0944045	1.377	0.0458378	0.683823	0.036541	0.676625	0.0382414
0.0918071	1.3787	0.047658	0.684354	0.0384494	0.682983	0.0410309
0.0989941	1.3807	0.0481636	0.69172	0.0399527	0.667443	0.0365098
0.0720013	1.3806	0.0509647	0.686749	0.0380663	0.678116	0.0380251
0.0953796	1.37743	0.0477988	0.674093	0.0368449	0.666854	0.0437418
0.0773762	1.3812	0.0433423	0.684769	0.0424707	0.669187	0.033523
0.0856515	1.37822	0.049098	0.693087	0.041588	0.672567	0.0362368
0.0839852	1.36886	0.0499625	0.674342	0.0376929	0.669445	0.0304569
0.102915	1.36196	0.048627	0.687362	0.038992	0.670334	0.0345338
0.0890668	1.3511	0.0485462	0.678928	0.0396002	0.671008	0.0357837
0.100101	1.35325	0.0461845	0.683736	0.0288632	0.675785	0.0338475
0.100848	1.35538	0.0447136	0.680473	0.0370245	0.676351	0.0387953
0.0958809	1.34795	0.0417582	0.679801	0.0389532	0.663388	0.0336504
0.0869473	1.34859	0.0397262	0.674091	0.0345715	0.668891	0.03388
0.0900176	1.35188	0.0453627	0.683908	0.0347493	0.665998	0.0431302
0.0965016	1.34831	0.0438496	0.677492	0.0345978	0.667345	0.0403247
0.111044	1.34279	0.0431634	0.678682	0.0417489	0.659188	0.0260266
0.102288	1.34259	0.0501032	0.668356	0.0322185	0.649725	0.0395195
0.115255	1.34077	0.0511664	0.667002	0.0371394	0.664454	0.0306287
0.111153	1.33221	0.0490672	0.676557	0.0310664	0.654895	0.0343323
0.115234	1.32616	0.0439368	0.670007	0.043694	0.658756	0.0397719
0.116095	1.3326	0.0443122	0.675206	0.0325685	0.648842	0.0350391
0.117553	1.32808	0.0458225	0.666336	0.0370152	0.660341	0.0389992
0.110593	1.32214	0.0471637	0.662234	0.0393488	0.655538	0.0336554

0.121764	1.32455	0.0474255	0.662765	0.0386788	0.651129	0.0395824
0.13066	1.31344	0.0465202	0.662807	0.0352626	0.658852	0.0350145
0.124806	1.31236	0.0548358	0.660699	0.0387252	0.648503	0.0451047
0.116169	1.31701	0.0440938	0.664908	0.0303001	0.645317	0.0342461
0.132494	1.30741	0.0370866	0.657695	0.034679	0.646222	0.0332672
0.12832	1.29996	0.0426088	0.659454	0.0404995	0.65101	0.0331829
0.100938	1.29832	0.0400102	0.64918	0.0397684	0.655495	0.0382063
0.114661	1.29391	0.0422849	0.650616	0.0367764	0.640721	0.0362784
0.142009	1.29404	0.0455336	0.657215	0.0303267	0.639142	0.0329983
0.102742	1.29112	0.0514845	0.656295	0.0369011	0.640073	0.0234456
0.102448	1.28606	0.0429055	0.648343	0.0374234	0.640201	0.0316082
0.112877	1.2886	0.0368601	0.645493	0.0417361	0.628811	0.0371566
0.120204	1.29091	0.0439749	0.649132	0.0356741	0.637475	0.0361977
0.0937429	1.29	0.0448191	0.653296	0.0358702	0.639892	0.0324678
0.132092	1.28949	0.0463644	0.645241	0.0392723	0.632864	0.0388697
0.105841	1.28256	0.0475854	0.645778	0.0430778	0.633163	0.0311302
0.109382	1.27832	0.0485041	0.643876	0.0305927	0.623358	0.0297944
0.0986863	1.27303	0.0477047	0.649457	0.0434509	0.641232	0.0300353
0.0848537	1.26334	0.0446719	0.630073	0.0262246	0.623468	0.0278704
0.107542	1.26619	0.0495323	0.634629	0.0387835	0.620549	0.0265695
0.10933	1.27555	0.0463816	0.632629	0.0366656	0.628093	0.034993
0.0767579	1.27203	0.0474896	0.636568	0.0336887	0.623285	0.0316096
0.123485	1.26655	0.0452769	0.634687	0.0343284	0.630536	0.0317789
0.101539	1.26389	0.0453247	0.638589	0.0289661	0.621599	0.0355444
0.120757	1.26292	0.0494345	0.641129	0.0300482	0.626974	0.0276797
0.121374	1.26179	0.0491146	0.634949	0.0406403	0.628314	0.0285436
0.139132	1.26725	0.0462614	0.63457	0.0361106	0.621101	0.0290496
0.14786	1.26181	0.0423614	0.632954	0.0388922	0.632231	0.0355163
0.171164	1.25182	0.0397695	0.63022	0.038676	0.631681	0.0373888
0.193526	1.2578	0.0410193	0.627513	0.0356612	0.646315	0.0312616
0.247582	1.25569	0.0404354	0.637804	0.0337322	0.63748	0.0302564
0.263696	1.2572	0.0432561	0.635656	0.0329598	0.634947	0.0400308
0.301069	1.26035	0.0485941	0.632457	0.0323479	0.636765	0.0330026
0.367921	1.25187	0.0477282	0.620578	0.0443002	0.642379	0.0297983
0.457773	1.24381	0.0462035	0.62931	0.036889	0.644444	0.0301814
0.544134	1.23931	0.0447766	0.626925	0.0383305	0.645415	0.0239017
0.61111	1.23966	0.0479479	0.637331	0.0379938	0.643675	0.0293549
0.775703	1.23323	0.0394006	0.633383	0.037907	0.647648	0.0247844
0.905482	1.22799	0.0444086	0.631661	0.0344462	0.649411	0.0333066
1.03042	1.22743	0.0482201	0.623174	0.0399218	0.642735	0.0403567
1.25979	1.22959	0.043825	0.630183	0.0394075	0.644019	0.0336604
1.45157	1.22922	0.049796	0.621751	0.0327154	0.654031	0.0309568
1.64597	1.22865	0.042481	0.623846	0.0332633	0.648715	0.0330369
1.8613	1.22818	0.0372315	0.623411	0.0290942	0.64805	0.0314094
2.05954	1.22641	0.0446238	0.622175	0.0322717	0.650809	0.0302424
2.30303	1.22634	0.0430132	0.61582	0.0371494	0.647098	0.0301503
2.52664	1.22403	0.0382491	0.618534	0.0414334	0.646057	0.037371

2.64708	1.21732	0.0387648	0.619539	0.0381463	0.647917	0.0427563
2.85552	1.21144	0.0426931	0.615855	0.0314918	0.648256	0.0295209
2.9436	1.21871	0.0484709	0.615472	0.0280206	0.65567	0.0374932
3.13415	1.21172	0.0442949	0.618943	0.0351935	0.652338	0.0358214
3.18473	1.20188	0.038266	0.615694	0.0382387	0.645687	0.0320862
3.27805	1.20438	0.0406414	0.621583	0.0295541	0.645814	0.0329423
3.1794	1.1977	0.0452878	0.621093	0.0400778	0.63877	0.0351166
3.2049	1.19896	0.0412365	0.612823	0.031728	0.638136	0.0407829
3.15581	1.2016	0.0433144	0.614414	0.0375489	0.649966	0.0302774
2.92544	1.19239	0.0420737	0.606068	0.0338892	0.640013	0.0346894
2.81208	1.18456	0.0387743	0.615071	0.0338894	0.62722	0.0347962
2.62761	1.18989	0.0387616	0.60626	0.0335584	0.636043	0.0233067
2.42302	1.18603	0.0414131	0.605911	0.0358204	0.635739	0.0424043
2.20952	1.18289	0.0399852	0.608238	0.0375094	0.627804	0.0275227
2.06231	1.18746	0.0394933	0.604042	0.0369318	0.608782	0.0269517
1.70888	1.18411	0.0347292	0.600434	0.0302122	0.613611	0.0269963
1.55105	1.18499	0.0350125	0.600592	0.0424811	0.610043	0.0363631
1.32821	1.18179	0.0376538	0.598649	0.0296819	0.60587	0.0358204
1.13807	1.18205	0.0403792	0.586968	0.0266326	0.596864	0.0221463
0.983309	1.17823	0.0416415	0.6007	0.0302499	0.596658	0.0335061
0.815623	1.17295	0.0428417	0.601306	0.0373753	0.588801	0.0290933
0.737745	1.16431	0.0408649	0.585992	0.0377624	0.591407	0.0354479
0.568641	1.15245	0.0398811	0.597308	0.0292843	0.589551	0.0369605
0.458828	1.14778	0.0367321	0.59298	0.0343232	0.589792	0.0229101
0.3762	1.14771	0.0402464	0.59546	0.0287628	0.594297	0.0333934
0.295295	1.14143	0.0390267	0.586606	0.0308155	0.577949	0.026002
0.251799	1.14904	0.0454263	0.588334	0.0332392	0.584366	0.037819
0.218094	1.14721	0.047414	0.58236	0.0276027	0.573505	0.0282392
0.169754	1.13532	0.0437373	0.575531	0.0245452	0.573374	0.0279674
0.130181	1.13318	0.0474821	0.579485	0.0274258	0.567476	0.0300739
0.144582	1.13011	0.0371114	0.584674	0.037816	0.568268	0.03263
0.109767	1.12587	0.0425994	0.57808	0.0386217	0.569458	0.0260791
0.0917397	1.12134	0.041478	0.57527	0.0334841	0.567356	0.0242645
0.0849886	1.12323	0.0388567	0.569083	0.0271563	0.567197	0.0278374
0.0962389	1.11955	0.0342347	0.568567	0.0321331	0.568997	0.0255178
0.0976248	1.10813	0.0374481	0.571145	0.0418494	0.560981	0.0322487
0.0667772	1.10662	0.0398175	0.568055	0.0306499	0.564754	0.0271755
0.0793177	1.10932	0.0379554	0.565448	0.0302939	0.564424	0.0267492
0.0932561	1.11169	0.0327562	0.562594	0.0307871	0.551263	0.0351726
0.0847462	1.11206	0.0368962	0.562348	0.0268158	0.562397	0.0304819
0.0808763	1.10958	0.0355342	0.560285	0.027625	0.562745	0.0268183
0.0972219	1.10407	0.033239	0.561679	0.0358705	0.567264	0.0272288
0.0730407	1.10054	0.0385399	0.560585	0.0209071	0.561813	0.0243766
0.0943243	1.09297	0.0427998	0.561157	0.0311355	0.561021	0.0254645
0.0894272	1.09562	0.0425609	0.554678	0.035197	0.554965	0.0245457
0.0748405	1.09804	0.0437915	0.563027	0.0318454	0.56858	0.0321969
0.0810419	1.09429	0.0409617	0.555545	0.0252018	0.56722	0.0212145

0.0886521	1.09041	0.035411	0.561254	0.0273942	0.581944	0.0278186
0.1251	1.09362	0.0340454	0.559634	0.0290692	0.59107	0.0289373
0.119815	1.09859	0.0456682	0.565122	0.0245927	0.593245	0.0372034
0.142889	1.0939	0.0464831	0.575789	0.0344069	0.608365	0.0313305
0.189147	1.08507	0.0384128	0.57068	0.0285438	0.618517	0.0361685
0.18405	1.08552	0.0321804	0.566301	0.0375976	0.619547	0.0320458
0.17315	1.09018	0.0410703	0.57592	0.0319609	0.650298	0.0309435
0.254773	1.09175	0.0460985	0.57747	0.0296528	0.66052	0.0365374
0.254246	1.09243	0.0424833	0.568147	0.023575	0.663748	0.0330116
0.301366	1.09582	0.0425474	0.578589	0.0310268	0.682468	0.0331501
0.354547	1.09666	0.0413641	0.583165	0.032244	0.690537	0.0363073
0.40947	1.09994	0.0409002	0.589926	0.029986	0.703173	0.0393528
0.425118	1.0998	0.0472461	0.591497	0.0315321	0.71835	0.0286891
0.497074	1.09428	0.0410081	0.595081	0.0376407	0.728671	0.0283762
0.508554	1.0834	0.0400868	0.599664	0.0279214	0.727396	0.0305934
0.589033	1.08354	0.0466132	0.592441	0.0291183	0.738715	0.0352586
0.6463	1.08885	0.047766	0.601189	0.0317899	0.73387	0.027196
0.679752	1.08136	0.0445354	0.603122	0.0302052	0.748683	0.0306015
0.739567	1.0754	0.0397121	0.60104	0.0291126	0.738722	0.0426365
0.784587	1.06367	0.0407103	0.603086	0.033343	0.741363	0.0389861
0.822	1.07028	0.0426148	0.601036	0.0321403	0.72634	0.0395776
0.859581	1.06924	0.0398985	0.585429	0.0313096	0.713327	0.036719
0.856775	1.06153	0.0385777	0.58271	0.0328563	0.698326	0.0322881
0.891109	1.05494	0.0348802	0.5849	0.0283292	0.689774	0.0380274
0.896958	1.04964	0.0384269	0.576596	0.0333576	0.67875	0.0413512
0.884145	1.04544	0.0346073	0.572757	0.0335762	0.669127	0.0297553
0.828954	1.04268	0.0327783	0.568982	0.0310892	0.656739	0.023745
0.827294	1.0379	0.033478	0.563003	0.0281782	0.632083	0.0335872
0.785922	1.03699	0.0308571	0.563215	0.0261628	0.622463	0.0260879
0.775906	1.03101	0.0275941	0.552125	0.0273525	0.612715	0.0342167
0.691692	1.02365	0.0334749	0.545786	0.0328932	0.602831	0.0282029
0.630661	1.02108	0.0382108	0.541412	0.0260563	0.58583	0.024058
0.565208	1.02505	0.0424249	0.542036	0.0267737	0.574448	0.0330356
0.546689	1.021	0.0369895	0.539039	0.0306272	0.572475	0.0365318
0.4416	1.01809	0.0320007	0.540047	0.0322354	0.553166	0.0274394
0.425172	1.02446	0.0334486	0.533162	0.0270018	0.545719	0.0341688
0.368043	1.02003	0.0371281	0.519094	0.0285073	0.534192	0.0309347
0.324495	1.01101	0.032105	0.529307	0.0320441	0.531175	0.0273708
0.262367	1.00743	0.0314257	0.528213	0.0305746	0.532945	0.0237351
0.204157	1.00376	0.0343616	0.523665	0.0287829	0.519223	0.0287663
0.192404	1.00383	0.0391575	0.522634	0.029289	0.521777	0.0276957
0.198821	1.00416	0.0410451	0.517844	0.0293813	0.518049	0.0297293
0.146839	0.999259	0.0382439	0.519167	0.0285114	0.525199	0.029378
0.129758	1.00184	0.0307479	0.524983	0.0261598	0.521158	0.0336887
0.119906	1.00225	0.0322748	0.522673	0.0248386	0.512147	0.0333258
0.0950385	1.00283	0.0331524	0.513186	0.0331692	0.522159	0.0293272
0.0936402	0.997656	0.030806	0.511912	0.0275873	0.50957	0.0336619

0.0777605	0.995641	0.0248131	0.507538	0.0314702	0.510631	0.0306905
0.0868432	1.00018	0.0274932	0.506082	0.0331467	0.517521	0.0280041
0.0673065	1.00103	0.0285663	0.513611	0.0284657	0.518715	0.0227337
0.0839607	0.994646	0.0337611	0.508998	0.0303382	0.513087	0.0225682
0.0576869	0.989575	0.0268119	0.510376	0.0254544	0.500917	0.0311938
0.0557535	0.994026	0.0292375	0.508439	0.0308078	0.511113	0.0306995
0.0669254	0.986697	0.0312665	0.511828	0.0257597	0.509965	0.0238229
0.0534328	0.985704	0.0378245	0.502898	0.0306536	0.500635	0.0256
0.0574546	0.986157	0.0369664	0.498732	0.0275059	0.507395	0.0352704
0.06157	0.985242	0.0355686	0.511228	0.0283829	0.499903	0.0237093
0.0618464	0.986021	0.0314934	0.500227	0.0240717	0.498078	0.0220636
0.0669563	0.984	0.0292699	0.502894	0.0269589	0.50103	0.0341259
0.0550048	0.983025	0.0302248	0.504987	0.0344568	0.492419	0.0321105
0.0623739	0.97959	0.0342939	0.49372	0.0258949	0.498776	0.020413
0.0594516	0.989415	0.0348635	0.501125	0.0299033	0.500619	0.0264417
0.0656972	0.985847	0.0339773	0.504234	0.026278	0.501326	0.0238557
0.0807908	0.97992	0.0308538	0.507019	0.0251673	0.49496	0.0247089
0.0745334	0.985873	0.0341175	0.495599	0.0321173	0.498029	0.0255838
0.0605111	0.985581	0.0282959	0.49852	0.0267587	0.502293	0.0262693
0.0736016	0.985735	0.0296775	0.500766	0.0283596	0.502263	0.0273452
0.0610092	0.995959	0.0314054	0.498589	0.0316555	0.509547	0.0288777
0.0596503	1.00212	0.0293362	0.506157	0.0241281	0.49874	0.0289097
0.0690135	1.01507	0.0357827	0.506052	0.0277745	0.496133	0.0292669
0.0754769	1.03533	0.0288714	0.51268	0.0285148	0.499395	0.0275495
0.0585721	1.03935	0.0350804	0.509427	0.0247627	0.510475	0.0297807
0.0789442	1.05267	0.036399	0.517518	0.0266684	0.508793	0.0252758
0.0791659	1.0735	0.0386439	0.513086	0.0252351	0.513902	0.0204485
0.0659972	1.09941	0.0370176	0.523538	0.0265218	0.521085	0.0347628
0.0815162	1.11994	0.040708	0.537775	0.0251959	0.528297	0.0227271
0.0758593	1.15043	0.0463005	0.548344	0.025859	0.526328	0.0237673
0.0755625	1.177	0.0367798	0.560166	0.0243233	0.547126	0.0307846
0.0812186	1.21044	0.0388332	0.574344	0.029582	0.547777	0.0300401
0.0747864	1.2479	0.0394834	0.587802	0.0308331	0.569014	0.0342412
0.108779	1.27617	0.0433167	0.602877	0.0322254	0.580434	0.0305591
0.100156	1.30305	0.0483299	0.619771	0.0355966	0.59682	0.0337179
0.112132	1.33558	0.0497461	0.64098	0.0359484	0.601878	0.0323842
0.117632	1.35695	0.0557929	0.665854	0.0340825	0.624447	0.0399849
0.132728	1.38296	0.0552849	0.693647	0.0444446	0.635083	0.0280732
0.12888	1.40543	0.0590002	0.714338	0.0350941	0.660092	0.036398
0.153683	1.42928	0.0590506	0.746032	0.0444739	0.668935	0.038271
0.12878	1.43847	0.062565	0.756033	0.04026	0.678959	0.0380035
0.131847	1.44415	0.0612564	0.786891	0.0496505	0.702156	0.0384283
0.132497	1.4448	0.0663833	0.805832	0.0480736	0.710537	0.0456257
0.161418	1.43298	0.0709873	0.817973	0.0330012	0.726272	0.0357718
0.13577	1.42346	0.0647483	0.823334	0.0420481	0.731921	0.0483982
0.149659	1.40159	0.0575754	0.844574	0.0444265	0.734734	0.0389093
0.141784	1.38089	0.0555056	0.849158	0.0538167	0.727876	0.0345122

0.131101	1.35566	0.0553103	0.84465	0.0457149	0.730547	0.0462722
0.122191	1.31954	0.053833	0.847461	0.0470761	0.726661	0.0342682
0.137941	1.28145	0.0551468	0.839858	0.0438848	0.709411	0.0393938
0.134816	1.2427	0.0524113	0.823188	0.0488769	0.705479	0.0375913
0.154089	1.2091	0.0463008	0.814578	0.0520033	0.69312	0.0385905
0.129251	1.17891	0.0434291	0.792843	0.040854	0.686248	0.0389527
0.105734	1.14885	0.0347058	0.765612	0.0420046	0.657828	0.0355056
0.114535	1.09424	0.0401009	0.747202	0.0418846	0.642468	0.0334102
0.110393	1.05661	0.0381485	0.71959	0.0422306	0.616448	0.035555
0.0856758	1.03515	0.0331474	0.699745	0.0351849	0.613105	0.0355483
0.0961957	1.01895	0.0269604	0.666268	0.0278828	0.583526	0.0373329
0.0945416	0.989303	0.0314493	0.64715	0.0343187	0.567516	0.0276147
0.0664684	0.956434	0.0331016	0.620265	0.0390466	0.551923	0.0357574
0.0845601	0.946384	0.0300704	0.590936	0.0301783	0.539808	0.0241573
0.0646871	0.925975	0.0281772	0.564204	0.0355494	0.517163	0.0287582
0.0654316	0.917137	0.0311034	0.549923	0.0262974	0.512381	0.0291403
0.0630177	0.902863	0.0322811	0.534135	0.0263536	0.502427	0.0242057
0.0629234	0.890641	0.0286527	0.524515	0.0213768	0.492158	0.028645
0.0609184	0.878122	0.0287167	0.507819	0.0274654	0.472716	0.0226257
0.0532949	0.876492	0.0272135	0.495379	0.0233792	0.470441	0.0268364
0.0556345	0.877079	0.0250134	0.483165	0.027791	0.46301	0.0244757
0.0487454	0.870332	0.0280173	0.476948	0.0272756	0.45858	0.0216473
0.0627396	0.86488	0.0306825	0.469131	0.0289171	0.45979	0.0249595
0.0479176	0.860683	0.0325882	0.466403	0.0233735	0.450767	0.0273768
0.0588351	0.864316	0.031565	0.455597	0.0166257	0.447924	0.0308231
0.056295	0.855877	0.0265924	0.455665	0.0277762	0.445027	0.0213628
0.0500858	0.840883	0.0266218	0.449565	0.0263953	0.440817	0.0241374
0.0563991	0.846881	0.0298911	0.452392	0.019406	0.441068	0.0250988
0.047789	0.844805	0.0302588	0.447492	0.0231088	0.429166	0.0272465
0.0508902	0.839044	0.0318025	0.452697	0.0291124	0.442328	0.021821
0.0492149	0.835386	0.0287696	0.433888	0.0250138	0.438667	0.0266548
0.0560203	0.835678	0.0243192	0.442506	0.0224293	0.438416	0.0188464
0.0681233	0.827435	0.0244899	0.437472	0.0200283	0.438193	0.0257513
0.0635961	0.824146	0.02689	0.436375	0.0278457	0.429288	0.0218017
0.0624461	0.825567	0.0238017	0.440658	0.0259922	0.431649	0.0283204
0.0521204	0.826646	0.0273617	0.434044	0.0240818	0.429854	0.0227922
0.0637521	0.824646	0.0277782	0.431192	0.0224394	0.426282	0.0257832
0.054732	0.816918	0.0281824	0.427055	0.0208279	0.420004	0.0249756
0.060663	0.811372	0.0306241	0.434	0.0171725	0.419686	0.0278194
0.0543202	0.812777	0.026341	0.429447	0.0190491	0.422033	0.0250487
0.0481495	0.812797	0.0286626	0.426129	0.0193778	0.42269	0.0242191
0.0475975	0.81037	0.03043	0.428854	0.0244361	0.419975	0.0230774
0.0571003	0.807278	0.0250027	0.429965	0.0326343	0.417403	0.0208025
0.0519781	0.807162	0.0301895	0.429104	0.022067	0.42036	0.0229904
0.045744	0.805998	0.0297676	0.425639	0.0192912	0.427794	0.0191488
0.0381278	0.800611	0.0291384	0.41818	0.0231802	0.418376	0.0252245
0.0472112	0.798446	0.0272907	0.425943	0.0228411	0.411109	0.0188679



0.0585236	0.799559	0.0252802	0.416174	0.0276892	0.420487	0.0289776
0.0525688	0.79406	0.0223841	0.425549	0.020934	0.40255	0.0242846
0.0520464	0.793785	0.0223561	0.420998	0.0209242	0.412752	0.0213645
0.0466211	0.793083	0.0242945	0.414535	0.0235736	0.401182	0.0186313
0.051882	0.790297	0.0271956	0.418547	0.0229766	0.4127	0.0246903
0.0426328	0.784639	0.0286496	0.414075	0.0255316	0.406895	0.025058
0.0501727	0.781718	0.0250923	0.417973	0.0197513	0.406731	0.0220611
0.0460051	0.782267	0.0252504	0.408558	0.0266879	0.411543	0.0211635
0.0479068	0.778265	0.0304413	0.415969	0.0227603	0.41771	0.0268133
0.0478654	0.773204	0.0204881	0.404638	0.0195327	0.412348	0.0216291
0.0497992	0.775517	0.0212796	0.409613	0.0256083	0.41648	0.0264609
0.0444827	0.774037	0.0271788	0.412966	0.0229141	0.411026	0.0217219
0.0466107	0.771369	0.0311748	0.41488	0.0218931	0.410093	0.0203103
0.0517436	0.769335	0.0242462	0.403637	0.0194502	0.408929	0.0266093
0.0426326	0.766253	0.0288659	0.409942	0.027525	0.417264	0.0234312
0.0481029	0.765391	0.0350609	0.412239	0.0270171	0.422269	0.0251257
0.0551079	0.763987	0.0276808	0.406511	0.0274668	0.416145	0.021439
0.0546802	0.767928	0.0229508	0.409568	0.0197776	0.419414	0.0270722
0.0496825	0.766906	0.0255323	0.405215	0.0255399	0.421315	0.0207054
0.0495973	0.763863	0.0249923	0.414932	0.0203115	0.425453	0.0247
0.0380337	0.767488	0.0214457	0.409172	0.0205701	0.425839	0.022281
0.0493943	0.759622	0.0214398	0.405054	0.0235398	0.427853	0.0237939
0.0500854	0.761974	0.0172957	0.40667	0.0225893	0.428895	0.0289793
0.0501358	0.754699	0.0208951	0.414075	0.0214057	0.438935	0.0268533
0.0429537	0.759601	0.0225604	0.413302	0.0261318	0.436167	0.0294979
0.0396657	0.760155	0.024064	0.410504	0.0204087	0.446774	0.0231608
0.0425759	0.751605	0.0280242	0.414179	0.0160888	0.453986	0.0263629
0.0558062	0.755217	0.0308293	0.408594	0.0222962	0.450267	0.0269307
0.0440352	0.754813	0.0269256	0.410436	0.0238468	0.461518	0.0274097
0.0434042	0.747365	0.0299256	0.410557	0.0256391	0.451931	0.0244708
0.049587	0.745734	0.0243574	0.415566	0.0243846	0.464478	0.0248163
0.0508302	0.736656	0.0246841	0.416518	0.0245228	0.456758	0.0298259
0.0526076	0.737246	0.0307926	0.415878	0.0244511	0.456323	0.0236086
0.0447252	0.739708	0.0289651	0.413791	0.0252899	0.451664	0.0313497
0.0468624	0.740267	0.0280587	0.401214	0.026158	0.458756	0.0275176
0.0477446	0.732437	0.02851	0.409297	0.0145159	0.447736	0.0221352
0.0396583	0.724488	0.0290959	0.407344	0.0223179	0.443875	0.0281479
0.0321133	0.730549	0.0267629	0.400575	0.020534	0.442666	0.0247246
0.0497316	0.730013	0.0244461	0.400748	0.0292758	0.43308	0.0321437
0.0510215	0.732742	0.0278276	0.399314	0.0166532	0.427346	0.0309577
0.0465795	0.722781	0.0267416	0.401081	0.0253415	0.422558	0.0242924
0.0423502	0.719619	0.0229066	0.394278	0.0220089	0.425	0.0285972
0.0539785	0.715668	0.0262214	0.395829	0.0262688	0.417226	0.0255041
0.0423958	0.715107	0.0293698	0.385969	0.0224635	0.406818	0.0257446
0.0670519	0.712548	0.0249735	0.389074	0.0249674	0.399683	0.0215209
0.0432747	0.710616	0.0169691	0.382327	0.0206576	0.397186	0.0237525
0.0572399	0.704753	0.0292499	0.385885	0.0192884	0.386924	0.0256159

0.0600781	0.695981	0.0271685	0.373345	0.0162088	0.380427	0.019958
0.037758	0.692845	0.0232895	0.373387	0.0203095	0.380548	0.0292195
0.0530108	0.692121	0.0213035	0.38155	0.0269735	0.378579	0.0252618
0.0467394	0.689781	0.0283921	0.380379	0.0170963	0.377401	0.0236705
0.0448662	0.686648	0.0281109	0.369529	0.0189686	0.373727	0.0264051
0.0473737	0.685629	0.0263065	0.366321	0.0247872	0.372295	0.0235615
0.0586769	0.68352	0.0256219	0.362965	0.0190437	0.358029	0.0195621
0.0486992	0.683685	0.0257512	0.3662	0.0210297	0.363197	0.0240371
0.038133	0.67838	0.0250555	0.364216	0.0172361	0.366463	0.0209879
0.0452548	0.681411	0.0227036	0.35796	0.0130407	0.357891	0.0218827
0.0451016	0.673937	0.0215311	0.358705	0.0144574	0.355772	0.0238566
0.0474529	0.672542	0.0217196	0.368693	0.0185423	0.35376	0.0225251
0.0407141	0.671245	0.0196844	0.361625	0.0158067	0.347441	0.0205858
0.0428905	0.676854	0.0226516	0.353863	0.0207267	0.356192	0.0189762
0.0455852	0.667599	0.0264728	0.355378	0.0213734	0.354444	0.0202569
0.0376696	0.67301	0.0273741	0.354422	0.0216122	0.348959	0.0257788
0.039481	0.670157	0.0237428	0.353786	0.0177418	0.355766	0.0197548
0.0439456	0.661641	0.0238591	0.354316	0.0183332	0.346011	0.0207166
0.0411927	0.658701	0.0188929	0.350008	0.0159219	0.350062	0.022082
0.0462417	0.659992	0.0261251	0.350929	0.0148095	0.34856	0.0193733
0.056527	0.660849	0.0198343	0.346138	0.0190564	0.342703	0.0240187
0.0340806	0.661062	0.0222908	0.35145	0.019411	0.345008	0.0205929
0.0497663	0.654721	0.0212547	0.343284	0.0154633	0.340916	0.0220572
0.0391072	0.659094	0.0197492	0.344713	0.0206748	0.340908	0.0219941
0.043448	0.656345	0.0222248	0.346898	0.019487	0.344208	0.0264802
0.0349256	0.653124	0.0212379	0.339777	0.0200909	0.331576	0.0190112
0.0381083	0.644772	0.0285652	0.342723	0.0209833	0.332668	0.0184463
0.0444462	0.644196	0.0209477	0.337164	0.0187544	0.340051	0.0232909
0.0375173	0.646986	0.0236757	0.342121	0.017516	0.334679	0.0175857
0.0353466	0.65278	0.0252559	0.340733	0.014122	0.336133	0.0234568
0.0513267	0.641094	0.0217831	0.337174	0.0232763	0.337137	0.026862
0.0379722	0.638855	0.022666	0.340955	0.0275116	0.337196	0.0195013
0.0502899	0.640201	0.0218142	0.335805	0.0219982	0.331789	0.019015
0.0441164	0.640256	0.0227464	0.340434	0.0214446	0.336536	0.0207594
0.0445084	0.647253	0.0237528	0.336574	0.0231635	0.334589	0.023015
0.0513135	0.642715	0.0270494	0.340623	0.0174381	0.329531	0.0229888
0.0394538	0.648174	0.0197681	0.340641	0.0197299	0.339213	0.0219334
0.0494087	0.64538	0.0219327	0.340812	0.0171191	0.342088	0.0203416
0.0422088	0.645536	0.0253367	0.341921	0.0182839	0.338069	0.0176739
0.052899	0.644112	0.0232682	0.340677	0.0230709	0.345479	0.0214831
0.0404605	0.645435	0.0190802	0.338562	0.019938	0.346402	0.0247856
0.0424381	0.650987	0.0256138	0.336275	0.0186467	0.353182	0.0245818
0.0431262	0.660208	0.0284975	0.338627	0.0171146	0.364503	0.0247813
0.0418752	0.6576	0.0265624	0.343672	0.0197344	0.369209	0.0322257
0.0469988	0.660765	0.0217493	0.347242	0.0193345	0.38537	0.030603
0.0366562	0.663251	0.0188219	0.346609	0.0232601	0.391893	0.0348606
0.0437251	0.676303	0.02516	0.348854	0.0214186	0.397409	0.0281381

0.0449088	0.677483	0.0243285	0.356654	0.0156115	0.415237	0.0356679
0.0499905	0.688757	0.0197285	0.365711	0.0181508	0.43848	0.0448374
0.0349152	0.699272	0.0170322	0.368957	0.0216061	0.457067	0.0418102
0.0564789	0.712325	0.0270482	0.370526	0.0196264	0.483391	0.0599672
0.0486349	0.727796	0.0296314	0.376651	0.0206413	0.49885	0.0571215
0.0485971	0.722466	0.0254026	0.395938	0.0251583	0.524004	0.0601528
0.0472588	0.73706	0.0231146	0.404614	0.0207165	0.557225	0.0687583
0.0524757	0.747916	0.0205102	0.411753	0.0239632	0.579563	0.0807572
0.0559703	0.762385	0.0256252	0.420148	0.0240425	0.606909	0.0877522
0.042621	0.77201	0.0260746	0.431654	0.0195671	0.635732	0.0952725
0.0549267	0.780269	0.0215486	0.44473	0.0211101	0.667017	0.0998635
0.0469485	0.791484	0.0318056	0.456858	0.0216308	0.705199	0.0944304
0.0442162	0.797776	0.0327868	0.480029	0.0221039	0.727811	0.127768
0.0508555	0.809909	0.027085	0.482453	0.0316144	0.749183	0.127622
0.0626759	0.813176	0.0290726	0.502075	0.0257446	0.769638	0.124448
0.0550165	0.811581	0.0308201	0.508342	0.0248248	0.795617	0.135094
0.0532766	0.812008	0.029293	0.509957	0.0285781	0.814163	0.141253
0.0613202	0.815067	0.0228122	0.511584	0.0254675	0.830501	0.134367
0.0508464	0.818117	0.0259702	0.53078	0.0321322	0.823038	0.146021
0.0707803	0.798804	0.026084	0.531086	0.0311215	0.833574	0.14123
0.0537283	0.794804	0.02633	0.538802	0.0394089	0.834374	0.135727
0.0651188	0.792224	0.0228581	0.540488	0.0325965	0.810286	0.135173
0.057123	0.775008	0.0303802	0.538413	0.028645	0.807028	0.135549
0.0607703	0.767637	0.0223655	0.532334	0.0369477	0.771113	0.126266
0.071286	0.755825	0.0180923	0.526797	0.0240686	0.769833	0.113973
0.0576698	0.747913	0.0217213	0.525714	0.0295341	0.737492	0.123207
0.0606999	0.727245	0.02121	0.51483	0.0302727	0.71335	0.113353
0.0642087	0.705739	0.02423	0.503305	0.0284523	0.679338	0.0974304
0.0527581	0.692136	0.0253577	0.503775	0.0293333	0.642653	0.085624
0.0557089	0.687588	0.0264523	0.481711	0.0285453	0.612507	0.0894132
0.0589636	0.673245	0.0193362	0.468009	0.0268178	0.583644	0.0741484
0.0530875	0.658519	0.0220925	0.451696	0.0294765	0.542476	0.0673739
0.0583146	0.647089	0.0217116	0.43574	0.0230254	0.513141	0.0635922
0.0620079	0.637638	0.014804	0.421981	0.0232822	0.48993	0.0476258
0.0533696	0.624485	0.0217441	0.413334	0.0178441	0.462913	0.0519121
0.0540233	0.616813	0.0214898	0.397397	0.0243879	0.435431	0.0379729
0.04195	0.602195	0.0186244	0.389743	0.0181314	0.405328	0.0302479
0.0392748	0.593813	0.0187413	0.36742	0.0169124	0.388454	0.0347714
0.0410138	0.588403	0.0214799	0.357884	0.0222937	0.37357	0.0356044
0.0402857	0.590264	0.0232297	0.353341	0.0178316	0.365094	0.0264946
0.0382588	0.587836	0.0290248	0.340797	0.0173109	0.351892	0.024761
0.0411116	0.574135	0.0223212	0.338911	0.0167027	0.333162	0.0200853
0.046213	0.570394	0.0179717	0.331315	0.0208092	0.323021	0.0213067
0.040953	0.571483	0.0293355	0.326713	0.0211033	0.320284	0.0267759
0.0341542	0.572715	0.0252861	0.319795	0.0187405	0.320408	0.0260058
0.036261	0.561584	0.0204817	0.32	0.022593	0.305116	0.0220761
0.0418148	0.557058	0.0253809	0.309518	0.0194989	0.304268	0.0227584

0.0448648	0.557769	0.02605	0.310902	0.0141982	0.300295	0.0147141
0.0419151	0.555902	0.0165157	0.312904	0.0156141	0.302312	0.019235
0.0404016	0.558905	0.0244151	0.304847	0.0182399	0.299267	0.0240413
0.0399947	0.547085	0.0223886	0.30958	0.0160625	0.300842	0.0214179
0.0352383	0.556616	0.0167739	0.297802	0.0157153	0.298879	0.0151275
0.0444747	0.549672	0.02116	0.304247	0.019214	0.294814	0.0203473
0.0384344	0.543581	0.0204405	0.308084	0.0161646	0.290172	0.0241629
0.0355205	0.538018	0.0247455	0.299853	0.021649	0.295095	0.0187486
0.0395421	0.536289	0.0218367	0.291377	0.015218	0.29595	0.0178175
0.0357673	0.544097	0.0216103	0.297038	0.0173939	0.29236	0.0204468
0.0469588	0.534984	0.0180879	0.298412	0.0198015	0.293354	0.0185378
0.0432845	0.536754	0.0230375	0.296714	0.0172905	0.28703	0.0205477
0.0486171	0.53656	0.021383	0.288338	0.0196591	0.289979	0.0186529
0.0386798	0.528944	0.0218459	0.288332	0.0134976	0.285249	0.0205026
0.0431221	0.528747	0.029477	0.293629	0.0176751	0.288418	0.020304
0.0459433	0.531676	0.0214465	0.287515	0.0185891	0.282906	0.0230515
0.0368743	0.520433	0.0183491	0.285997	0.0187387	0.286876	0.0192381
0.0380321	0.532344	0.0212389	0.290984	0.0180403	0.279697	0.016542
0.0365383	0.520787	0.0217893	0.287692	0.0182862	0.2831	0.0163838
0.0383428	0.525189	0.0202209	0.283285	0.0140184	0.274744	0.0178223
0.0294809	0.515541	0.022715	0.286854	0.0208952	0.278566	0.022182
0.0419079	0.521614	0.020392	0.2843	0.012345	0.283437	0.0209458
0.039431	0.511983	0.0204906	0.282969	0.0131457	0.273953	0.0168841
0.0420719	0.504531	0.0225559	0.284537	0.0233943	0.276833	0.0155869
0.039911	0.507283	0.0259529	0.278227	0.0144627	0.276987	0.0205825
0.0354551	0.514708	0.0198623	0.277837	0.0131031	0.273524	0.0190459
0.0381465	0.50871	0.0225048	0.276856	0.0177332	0.275546	0.0209097
0.0341122	0.50433	0.0229726	0.273921	0.015517	0.275223	0.0201422
0.0440397	0.503455	0.0233934	0.272743	0.0180769	0.270936	0.0189398
0.0350447	0.511267	0.0219668	0.276356	0.0168305	0.275417	0.0206982
0.0404944	0.51034	0.0213928	0.26727	0.0154132	0.274247	0.0178481
0.0443656	0.508658	0.0222969	0.268205	0.0164777	0.269555	0.0213876
0.0359424	0.49691	0.0216432	0.27318	0.0144613	0.271647	0.0146854
0.0281955	0.497804	0.0224531	0.276225	0.017228	0.274439	0.0190167
0.0338622	0.498626	0.0215172	0.271548	0.0144541	0.270423	0.0207952
0.0365744	0.49779	0.0249147	0.269326	0.0147475	0.269207	0.0177413
0.0206119	0.500024	0.0242046	0.268599	0.0166966	0.268105	0.0179647
0.0312019	0.496932	0.0169653	0.268487	0.0147575	0.270618	0.0163692
0.0438715	0.49261	0.0198098	0.270028	0.0181813	0.26529	0.0201737
0.0394494	0.489863	0.0222472	0.268349	0.0157069	0.277597	0.016808
0.0377763	0.48683	0.0270252	0.264748	0.0176709	0.268625	0.0183295
0.0346687	0.490114	0.0227698	0.271276	0.0163439	0.273049	0.0209648
0.0391935	0.49612	0.0183822	0.26672	0.0144621	0.269919	0.0184228
0.0496102	0.489784	0.020022	0.272499	0.016983	0.272763	0.0192906
0.0356873	0.485948	0.0243208	0.272982	0.0196362	0.269692	0.0173109
0.0415323	0.492964	0.0245783	0.26959	0.017414	0.280325	0.0263023
0.0360291	0.477085	0.0221343	0.258469	0.0194164	0.286673	0.0207159

0.0399994	0.482793	0.0179749	0.257018	0.0145516	0.271959	0.0167625
0.0382244	0.477815	0.0207709	0.267558	0.0194075	0.271413	0.0231129
0.0318982	0.476233	0.0261687	0.261895	0.0116931	0.278919	0.017669
0.0372994	0.481425	0.020569	0.266175	0.0131232	0.276942	0.01909
0.0379482	0.480211	0.0203949	0.261854	0.0174585	0.281627	0.0171868
0.0403691	0.481538	0.0190014	0.270081	0.0163304	0.279327	0.0200482
0.0336139	0.479563	0.019813	0.263765	0.0168103	0.277725	0.018891
0.034002	0.472193	0.0174757	0.270792	0.0182967	0.281172	0.0182884
0.0325003	0.475423	0.0262877	0.258205	0.0173405	0.278743	0.018992
0.0324401	0.474708	0.0201931	0.263103	0.0163969	0.278186	0.0176481
0.0349006	0.473325	0.0231739	0.264415	0.0136093	0.279324	0.0183133
0.0392216	0.474827	0.0157827	0.257946	0.0139462	0.278761	0.0227503
0.0318716	0.468484	0.0219865	0.260655	0.0176079	0.277522	0.0221045
0.0453572	0.473354	0.0239037	0.265357	0.0122671	0.276146	0.0186435
0.0344242	0.470872	0.0170311	0.261012	0.0150994	0.280223	0.0189235
0.0345738	0.467145	0.0240564	0.258438	0.0153863	0.283218	0.0155841
0.0366106	0.471403	0.0227685	0.265287	0.0173219	0.268833	0.0186138
0.0290035	0.465356	0.0167021	0.262326	0.0155179	0.270531	0.0218325
0.0355494	0.454191	0.0190121	0.255187	0.0137097	0.262899	0.0183797
0.0434815	0.461317	0.0176881	0.257661	0.0183184	0.265688	0.0177869
0.0363845	0.459885	0.0181255	0.265961	0.0156811	0.260898	0.0145303
0.0347338	0.45815	0.020304	0.260703	0.0187557	0.270649	0.0192393
0.0389378	0.462774	0.0240838	0.257313	0.0132644	0.270725	0.0220085
0.0327146	0.46286	0.0170108	0.258223	0.0161087	0.259827	0.0187211
0.0360397	0.459155	0.0191234	0.256421	0.018986	0.261021	0.016711
0.0408513	0.454208	0.0150299	0.253605	0.015782	0.261881	0.0169508
0.0491888	0.447552	0.0199944	0.255981	0.0154621	0.260825	0.0207438
0.0349903	0.452745	0.0218852	0.25401	0.0158756	0.259459	0.0245501
0.0390549	0.450426	0.0218848	0.254488	0.0101616	0.256774	0.0175321
0.0346003	0.447074	0.0151857	0.258077	0.0120771	0.262632	0.018387
0.0436333	0.451604	0.0154663	0.249205	0.016532	0.254295	0.01697
0.0324173	0.447869	0.0221176	0.25264	0.0147766	0.249357	0.0153469
0.036047	0.445657	0.0168379	0.248768	0.0157841	0.253934	0.019646
0.0439519	0.443887	0.0197189	0.248142	0.0175681	0.249508	0.0138252
0.0363799	0.449644	0.0183612	0.254785	0.0149886	0.247946	0.0158805
0.0338196	0.445566	0.0208859	0.247596	0.017711	0.251211	0.0206203
0.0314052	0.439542	0.0166092	0.246462	0.00994866	0.242652	0.0182082
0.0438828	0.446119	0.0208477	0.246378	0.0129158	0.245739	0.0169437
0.0342599	0.436403	0.0172917	0.246179	0.0164997	0.243385	0.0167754
0.0342557	0.442726	0.0220037	0.251691	0.0192403	0.245278	0.0159876
0.0425152	0.439183	0.0200439	0.245721	0.0145341	0.246308	0.0155484
0.0285654	0.440211	0.0135956	0.245767	0.0146846	0.243722	0.0182558
0.0355198	0.435953	0.0146302	0.248512	0.0177029	0.251354	0.017443
0.0351915	0.441405	0.0158365	0.250501	0.0149875	0.245208	0.0198635
0.0270796	0.436094	0.0189741	0.248537	0.0143796	0.241318	0.0195417
0.0455328	0.435273	0.0168509	0.24368	0.014441	0.246712	0.0164668
0.0389961	0.432771	0.0174915	0.248786	0.0129048	0.239188	0.0220268

0.0416297	0.433166	0.0179146	0.240254	0.0131614	0.243194	0.0157493
0.0373225	0.430728	0.0175184	0.245782	0.0152361	0.246277	0.0167773
0.0274715	0.429069	0.0195657	0.245068	0.0135705	0.252021	0.019115
0.0326819	0.437419	0.0193088	0.243448	0.0146671	0.242717	0.0201787
0.038475	0.428302	0.0200783	0.239429	0.0156483	0.240162	0.0170537
0.033838	0.427432	0.0179746	0.241428	0.0140709	0.239273	0.0124491
0.0386222	0.433987	0.0115112	0.236101	0.0137512	0.238551	0.0168564
0.0472658	0.429551	0.0174449	0.24119	0.0128769	0.240909	0.0177575
0.0298682	0.427399	0.0179721	0.244653	0.0193901	0.240026	0.0162068
0.0369498	0.424716	0.0166305	0.23566	0.017091	0.237969	0.0179128
0.0423897	0.423655	0.0172403	0.241492	0.0142742	0.241434	0.0184477
0.0346627	0.422788	0.0260153	0.24092	0.0160347	0.24213	0.0186156
0.0434039	0.426262	0.0194732	0.240367	0.0172558	0.2373	0.0147779
0.0316453	0.422864	0.0206504	0.235397	0.0145531	0.243111	0.020314
0.0313298	0.416766	0.013355	0.244711	0.0148191	0.241291	0.0168781
0.0397436	0.418768	0.0179042	0.233287	0.0140818	0.236018	0.0164308
0.0348478	0.424208	0.0124565	0.238637	0.0213324	0.235243	0.0178082
0.0322181	0.42154	0.0181256	0.241361	0.0224114	0.24453	0.0157426
0.0336155	0.419797	0.0171931	0.240081	0.0185817	0.236114	0.0245502
0.0338597	0.414411	0.0122228	0.236947	0.0177449	0.235501	0.0179089
0.0427373	0.416822	0.0142669	0.241412	0.0149486	0.234452	0.0194229
0.033264	0.422664	0.0174152	0.240442	0.0155749	0.237748	0.0190739
0.0344603	0.416331	0.0194614	0.238081	0.0168544	0.235255	0.0169395
0.0394936	0.419402	0.0189437	0.236341	0.0160139	0.23881	0.0175817
0.0385123	0.417415	0.0191749	0.239817	0.014286	0.237645	0.0179959
0.0359626	0.412125	0.0152211	0.233679	0.0115277	0.235661	0.0160781
0.0313752	0.419755	0.0160282	0.235001	0.0131759	0.243434	0.0232771
0.0297175	0.421599	0.0189616	0.237909	0.0197348	0.231824	0.0174158
0.0315153	0.42267	0.0223296	0.243036	0.0159872	0.236164	0.0181435
0.0352495	0.416733	0.0175163	0.235882	0.0165001	0.240946	0.0187893
0.0433127	0.416327	0.0177315	0.235454	0.0114623	0.239167	0.017945
0.0354092	0.417398	0.0193892	0.236777	0.0132609	0.241086	0.0180503
0.0270859	0.423137	0.0140097	0.238967	0.0107688	0.244887	0.0196256
0.0367421	0.416384	0.0139708	0.24475	0.0156334	0.241105	0.0188978
0.0346756	0.416706	0.0203707	0.244787	0.0149402	0.237215	0.0142422
0.0387486	0.416952	0.0187537	0.246291	0.0174945	0.234962	0.0170258
0.0411288	0.41525	0.0159114	0.246176	0.015149	0.249713	0.0182447
0.0344498	0.417493	0.019311	0.242911	0.0125316	0.243127	0.017051
0.0362179	0.419527	0.0166981	0.239863	0.0157595	0.246516	0.0171495
0.0295133	0.419275	0.0196602	0.245013	0.014245	0.244413	0.0193676
0.0287029	0.424448	0.0123149	0.246666	0.0175636	0.244709	0.0172198
0.0397375	0.42318	0.0136604	0.245794	0.0205397	0.245031	0.0147768
0.0376683	0.419833	0.0158042	0.249554	0.0115385	0.246643	0.0212603
0.0296935	0.421532	0.0172049	0.24718	0.0139153	0.248771	0.0168964
0.0346275	0.419851	0.0146768	0.246465	0.0177814	0.256126	0.0207353
0.0389252	0.415456	0.0159521	0.249726	0.0147597	0.2492	0.0189501
0.0345616	0.412278	0.0170378	0.245706	0.0142602	0.250508	0.0201534

0.0366429	0.41553	0.0165187	0.254095	0.0149798	0.25509	0.0203739
0.0414786	0.417036	0.0159911	0.259145	0.0165377	0.255337	0.0160383
0.0346457	0.416898	0.0154961	0.255001	0.0188547	0.259704	0.0186095
0.0461404	0.41838	0.0175184	0.251447	0.0159876	0.263762	0.0222539
0.0321862	0.418841	0.0143975	0.251598	0.0133169	0.262454	0.018963
0.0300424	0.420267	0.0155532	0.25341	0.0153976	0.263948	0.0195644
0.041793	0.415252	0.018078	0.256249	0.0140649	0.273994	0.0187149
0.0370777	0.419197	0.013021	0.252839	0.0173876	0.272726	0.0216376
0.0330266	0.420535	0.0144428	0.251188	0.0146294	0.269874	0.021699
0.0262478	0.420393	0.0162391	0.259402	0.0156704	0.27934	0.0248237
0.0424888	0.416072	0.0163563	0.256676	0.0153439	0.280738	0.0217083
0.0354099	0.412331	0.0147233	0.256174	0.0138372	0.292204	0.0247353
0.0389657	0.417238	0.0179344	0.255878	0.0155225	0.292495	0.0252661
0.0341831	0.414896	0.0164641	0.256793	0.0134732	0.29322	0.0294909
0.0330551	0.423781	0.0186681	0.259334	0.0166146	0.297913	0.0235727
0.0357706	0.421632	0.0180672	0.259344	0.0144451	0.302368	0.0240532
0.0361021	0.416106	0.0152429	0.270644	0.0177375	0.310848	0.0282386
0.0381735	0.416957	0.0185382	0.25617	0.0151141	0.314342	0.0188869
0.0334017	0.415034	0.0144833	0.260327	0.0156107	0.312889	0.0300223
0.0283496	0.412605	0.0129988	0.263001	0.0174547	0.313103	0.0337054
0.0457688	0.412453	0.0175376	0.260936	0.0129992	0.310941	0.0307936
0.0398106	0.415599	0.0154347	0.266526	0.0199095	0.313964	0.0307738
0.0449681	0.413886	0.012134	0.262811	0.0178237	0.314604	0.0288104
0.0428704	0.408409	0.0125936	0.263617	0.0167188	0.317571	0.0326987
0.0393857	0.408273	0.0145721	0.264979	0.015477	0.310722	0.0256027
0.037476	0.407172	0.0151952	0.262813	0.0173756	0.312554	0.0355438
0.0358508	0.407262	0.0197233	0.260321	0.0167814	0.303266	0.0256318
0.0364007	0.403747	0.013149	0.261773	0.0141852	0.300111	0.0252843
0.035492	0.401483	0.0151225	0.256079	0.0163401	0.299576	0.0242542
0.0369888	0.402863	0.0170897	0.260762	0.0170128	0.296168	0.0252723
0.0307645	0.402401	0.0194179	0.262478	0.0172493	0.292766	0.0199751
0.0395873	0.401665	0.016253	0.257007	0.016432	0.290819	0.0316359
0.0420003	0.398453	0.0154712	0.254034	0.0123125	0.282391	0.0223119
0.0277698	0.390333	0.0138211	0.249715	0.0152955	0.276785	0.0249936
0.0307725	0.393466	0.0128197	0.247372	0.0185381	0.267664	0.0220174
0.0319938	0.394308	0.0151051	0.246247	0.0150065	0.268985	0.024277
0.0330772	0.392272	0.013335	0.25404	0.0174201	0.271682	0.0189224
0.0359896	0.391373	0.0133689	0.252699	0.0171021	0.265604	0.0164757
0.0361928	0.39216	0.0103582	0.252019	0.0145797	0.262246	0.0178199
0.0377474	0.390431	0.0130987	0.252723	0.0146483	0.258747	0.0162847
0.0381546	0.391202	0.0163059	0.253397	0.0161954	0.24736	0.0168355
0.0341811	0.389374	0.0160497	0.247749	0.0125935	0.254858	0.0187629
0.0287212	0.391476	0.0175517	0.246892	0.017383	0.260245	0.0245282
0.0346388	0.399185	0.0107967	0.242999	0.0155415	0.260838	0.0206307
0.035162	0.3874	0.012002	0.242197	0.0150966	0.261973	0.0176447
0.0261867	0.388429	0.0134618	0.247891	0.0140523	0.257529	0.0181638
0.0361893	0.388309	0.0121326	0.249143	0.014907	0.256182	0.0230698

0.0347512	0.389598	0.015028	0.252357	0.0164369	0.260373	0.0218091
0.041671	0.390695	0.0147185	0.247623	0.011059	0.26149	0.0169612
0.0371317	0.3924	0.0135137	0.251607	0.0173483	0.259441	0.0190671
0.0292654	0.390996	0.0123391	0.248925	0.017209	0.261915	0.0213596
0.0324212	0.389741	0.010756	0.24903	0.0162515	0.258016	0.0179402
0.0485707	0.393148	0.017555	0.253955	0.0161479	0.256512	0.0181962
0.0329451	0.389643	0.0181227	0.256247	0.0165983	0.26519	0.0220422
0.0340001	0.387549	0.0150368	0.250628	0.0143536	0.264771	0.0193533
0.0406995	0.390098	0.0165614	0.250244	0.0182757	0.263623	0.0168542
0.0419439	0.391317	0.018234	0.248506	0.0141684	0.261164	0.0173376
0.0356507	0.391253	0.0114351	0.253695	0.0113784	0.269301	0.0195349
0.0348849	0.395612	0.0155457	0.260104	0.0125173	0.265301	0.0161759
0.0323531	0.395965	0.0148675	0.25632	0.017904	0.268364	0.0194802
0.0367166	0.393924	0.0142721	0.255489	0.0125374	0.264683	0.0251788
0.0286205	0.393323	0.0117365	0.255014	0.0192305	0.263516	0.0165632
0.0337605	0.392257	0.0158998	0.259916	0.0133176	0.272508	0.0221598
0.0411414	0.39805	0.0184206	0.258963	0.0139807	0.263056	0.0160776
0.0319093	0.399477	0.0138977	0.260356	0.0131017	0.258639	0.0179728
0.033852	0.393985	0.0136109	0.265124	0.0124227	0.272878	0.0164964
0.0327059	0.396113	0.015441	0.261164	0.0117176	0.267759	0.0212574
0.0329393	0.401479	0.0173921	0.269363	0.0171357	0.268982	0.0200847
0.028204	0.40246	0.0141212	0.265059	0.0157131	0.271692	0.0193944
0.0355349	0.396777	0.015397	0.263926	0.0154669	0.265845	0.0194711
0.0235923	0.402671	0.0185724	0.270886	0.0173917	0.279744	0.0202696
0.0388001	0.403811	0.0143848	0.266135	0.0136081	0.272299	0.0193847
0.0342074	0.406873	0.0140398	0.265204	0.0160464	0.277598	0.0168999
0.0308666	0.404387	0.020345	0.270961	0.0178563	0.277412	0.0195002
0.0312072	0.408715	0.014211	0.272486	0.0138924	0.281272	0.0180937
0.0445887	0.413484	0.0173323	0.276873	0.019943	0.2747	0.0175223
0.0389423	0.416411	0.0137442	0.279181	0.0159222	0.281921	0.0177627
0.0444246	0.416918	0.0143402	0.275219	0.0161122	0.285841	0.0196293
0.0240386	0.417583	0.0146087	0.275876	0.0181036	0.293176	0.0176219
0.0439062	0.417305	0.0178338	0.276442	0.0188613	0.285674	0.0202713
0.0346897	0.421159	0.0193026	0.285536	0.0172213	0.2912	0.0205852
0.0382366	0.425309	0.0146197	0.287387	0.0118997	0.287358	0.0178015
0.0326898	0.423145	0.0145366	0.2891	0.0118113	0.297056	0.0214003
0.040071	0.425518	0.0136378	0.283936	0.0146948	0.297397	0.0222132
0.0345933	0.426004	0.0164048	0.29168	0.0185203	0.304643	0.0208435
0.0363562	0.430601	0.0176897	0.292157	0.0160708	0.305203	0.0239154
0.0369077	0.437366	0.0141739	0.298291	0.01646	0.309319	0.0194727
0.0381477	0.440396	0.0167175	0.294288	0.017727	0.312765	0.0201476
0.0364585	0.444573	0.0189691	0.311851	0.0152371	0.307971	0.020459
0.0425807	0.448332	0.0176173	0.308453	0.0153966	0.319724	0.0196662
0.0344847	0.454416	0.0155608	0.31468	0.0188084	0.323874	0.0245532
0.0385776	0.460929	0.0153041	0.312455	0.0243675	0.334231	0.0262079
0.0369052	0.465225	0.0143314	0.314506	0.0172435	0.345327	0.0255198
0.0352727	0.470955	0.0174713	0.322637	0.0153639	0.335443	0.0224756



0.0396855	0.471109	0.0161128	0.324539	0.017481	0.341925	0.0202469
0.0459344	0.479158	0.014111	0.331857	0.0193889	0.35012	0.0193457
0.0383598	0.484454	0.0179686	0.337397	0.0167927	0.353456	0.0228626
0.0421719	0.489257	0.0167941	0.339259	0.0190265	0.358608	0.0180711
0.03751	0.498705	0.0172208	0.34538	0.0253614	0.365806	0.0195915
0.044368	0.508893	0.013581	0.344521	0.0163891	0.365603	0.0242904
0.048557	0.518629	0.0157543	0.350572	0.0179242	0.381997	0.0281026
0.0374921	0.523263	0.0166316	0.36561	0.019196	0.387923	0.0301186
0.0505527	0.530342	0.02019	0.36597	0.0196331	0.392311	0.0193866
0.0388099	0.53919	0.0176756	0.37659	0.0179669	0.404557	0.0203034
0.0390637	0.547247	0.015956	0.381241	0.0181212	0.418569	0.0282249
0.0397629	0.55789	0.0186256	0.390789	0.0169445	0.426584	0.0230505
0.047739	0.572542	0.0191619	0.403404	0.0227726	0.427528	0.0238725
0.0408826	0.577282	0.0178193	0.410035	0.0180107	0.440122	0.0221292
0.0419429	0.593078	0.0190404	0.41881	0.0208276	0.448514	0.0267911
0.0407602	0.610323	0.0187357	0.425859	0.0187285	0.452033	0.0267201
0.0445503	0.615465	0.0210464	0.432829	0.0187172	0.467269	0.0266842
0.0446157	0.625962	0.0230385	0.45063	0.0255211	0.478266	0.0250656
0.0531105	0.638834	0.0229899	0.457055	0.0219198	0.493231	0.0324251
0.0435292	0.651341	0.0167815	0.47026	0.0188701	0.508898	0.0240535
0.0518816	0.666004	0.0187523	0.480667	0.0224866	0.51834	0.0264792
0.0616761	0.687543	0.0208961	0.499417	0.0229456	0.524782	0.0245185
0.0486968	0.700541	0.0212243	0.507863	0.0233678	0.54801	0.0339522
0.0501058	0.712904	0.0269648	0.513147	0.0274151	0.555662	0.027912
0.0517564	0.728546	0.0193262	0.524424	0.0281981	0.580081	0.0313744
0.0407645	0.746362	0.0202056	0.554655	0.0266867	0.572858	0.0269076
0.0551209	0.755085	0.0203742	0.565292	0.0229142	0.59868	0.031674
0.0560542	0.766122	0.0234326	0.578651	0.0280626	0.626534	0.0304952
0.0490676	0.782113	0.0263525	0.586925	0.0252837	0.633774	0.0308626
0.0548789	0.797862	0.0269638	0.602506	0.0206081	0.646446	0.0422688
0.0492161	0.809389	0.0256855	0.625527	0.0259288	0.662398	0.0279641
0.036757	0.824901	0.0195607	0.641372	0.0267596	0.677676	0.0308556
0.0535237	0.843292	0.0231534	0.657285	0.0266259	0.70034	0.0338806
0.0514744	0.854862	0.0192724	0.685383	0.0271961	0.71128	0.0281962
0.0613098	0.867851	0.0202639	0.686731	0.0233361	0.736713	0.0351319
0.0630335	0.876502	0.0221038	0.722028	0.0242996	0.74652	0.03479
0.0620185	0.886373	0.0230033	0.719338	0.0326287	0.753571	0.0376029
0.0631364	0.904726	0.0207525	0.730561	0.0274392	0.773043	0.0377463
0.0530376	0.913157	0.0227166	0.759976	0.0297125	0.792554	0.0333439
0.046779	0.923297	0.0223315	0.773144	0.0290197	0.805731	0.0382373
0.0524637	0.925443	0.0226282	0.792968	0.0268663	0.815342	0.0325052
0.0609754	0.938672	0.0213403	0.802554	0.0301176	0.835288	0.032294
0.0679108	0.951694	0.0267806	0.812878	0.0196902	0.850343	0.0390061
0.0567089	0.956644	0.0216653	0.831944	0.026491	0.85567	0.0381103
0.0742667	0.95806	0.0169288	0.848887	0.0353537	0.866599	0.0321775
0.0638075	0.968851	0.0198667	0.855637	0.0295533	0.876796	0.0401276
0.0689664	0.974993	0.015953	0.869656	0.0272496	0.892621	0.0447493

0.0628893	0.975755	0.0169561	0.884752	0.0265174	0.914257	0.0451445
0.0597283	0.972147	0.0200548	0.89988	0.0259811	0.902435	0.0364524
0.0629695	0.971667	0.0202804	0.907697	0.0243486	0.929067	0.032946
0.0496599	0.968315	0.0199656	0.910855	0.0286247	0.92174	0.0400309
0.0580825	0.971818	0.0207719	0.926247	0.025498	0.917314	0.0327214
0.05814	0.968725	0.0246105	0.936096	0.0296694	0.943165	0.0464089
0.0648555	0.966367	0.0266052	0.94382	0.031541	0.949431	0.0353945
0.0588387	0.967878	0.0218142	0.938864	0.0305535	0.943408	0.035188
0.0548317	0.957383	0.020135	0.949195	0.0301632	0.939789	0.0363271
0.0802022	0.948779	0.0239552	0.94917	0.0289116	0.947006	0.0325766
0.0472783	0.940516	0.021491	0.956894	0.0325299	0.944213	0.0316117
0.0576431	0.933683	0.021626	0.953866	0.0338575	0.947977	0.0411948
0.083169	0.933143	0.0235243	0.953535	0.0304989	0.939525	0.0333223
0.0585421	0.924452	0.0234001	0.949436	0.0261882	0.932703	0.040192
0.0601066	0.912761	0.0270636	0.934665	0.0348068	0.933639	0.0412737
0.0680318	0.900055	0.0240331	0.943739	0.0320082	0.925112	0.0404035
0.0599696	0.890455	0.0195784	0.946967	0.0333088	0.921067	0.0401594
0.0536944	0.873049	0.0199216	0.939268	0.032976	0.902638	0.0387432
0.055433	0.860341	0.017567	0.931257	0.0282739	0.901192	0.0456721
0.0571688	0.848362	0.0239047	0.923999	0.0286709	0.894608	0.0461311
0.0595534	0.83491	0.0209001	0.907968	0.0263509	0.887993	0.0435281
0.0662731	0.824779	0.0237178	0.898171	0.0342898	0.869831	0.0342749
0.0639529	0.810684	0.0238247	0.893278	0.0308382	0.859483	0.0418677
0.0431788	0.791541	0.0258565	0.881777	0.0358725	0.841776	0.0264098
0.0567606	0.776719	0.0272842	0.863987	0.0299888	0.832202	0.024421
0.0502742	0.766121	0.0198046	0.85004	0.0250093	0.819982	0.0293084
0.0721674	0.751121	0.0158127	0.835149	0.0321872	0.805622	0.0327737
0.0606053	0.735851	0.0195358	0.819828	0.0202368	0.793141	0.0303243
0.063327	0.71986	0.0222635	0.810727	0.026333	0.764662	0.0284328
0.0693294	0.702482	0.0182763	0.790815	0.0353506	0.757591	0.0373221
0.0673099	0.684332	0.0178206	0.782704	0.0292132	0.736426	0.0277104
0.0724869	0.667626	0.0212963	0.758544	0.0269977	0.724528	0.0324112
0.0678885	0.653423	0.0233952	0.752536	0.0285852	0.712149	0.0401421
0.0582169	0.638065	0.0227133	0.731379	0.0268082	0.698303	0.0306327
0.0553115	0.618278	0.0201146	0.71607	0.0259126	0.679432	0.0295201
0.0765005	0.604878	0.0166912	0.696106	0.0215413	0.656409	0.0327598
0.0658757	0.592379	0.0188488	0.688606	0.0261793	0.63387	0.0232882
0.0723515	0.580488	0.0229229	0.663628	0.0308037	0.619202	0.0290145
0.0521904	0.566796	0.0231919	0.646129	0.0264734	0.611352	0.0320327
0.0681785	0.554433	0.0219174	0.626391	0.0254521	0.587574	0.030118
0.0587321	0.539603	0.018659	0.620975	0.0296443	0.577475	0.0331435
0.0546033	0.529373	0.0166572	0.592926	0.0175485	0.569084	0.0233754
0.0653275	0.523387	0.0156105	0.573961	0.0204951	0.542699	0.0236894
0.0458256	0.505531	0.0170759	0.557676	0.0238973	0.530406	0.0288133
0.0483486	0.490913	0.0175536	0.547483	0.0229567	0.51951	0.0267812
0.055513	0.484832	0.0169598	0.5286	0.0216894	0.499925	0.0232159
0.0463638	0.475742	0.018815	0.515107	0.024656	0.488914	0.0221391

0.0546257	0.464394	0.0184341	0.502353	0.0195272	0.469276	0.0287758
0.0592901	0.453569	0.0160815	0.482675	0.0256678	0.468766	0.0280096
0.0387106	0.444288	0.0126846	0.477908	0.0195175	0.448609	0.0252795
0.0533253	0.432365	0.0145221	0.464131	0.0231387	0.436	0.02719
0.0458121	0.41953	0.0148983	0.449414	0.0209002	0.428887	0.0215529
0.0583217	0.414076	0.0124657	0.438765	0.0293498	0.413865	0.0225472
0.0542186	0.405982	0.0133523	0.420779	0.0210994	0.402422	0.0333723
0.0453495	0.396132	0.0159635	0.411186	0.0164323	0.402276	0.0246522
0.041335	0.39163	0.0134076	0.404861	0.0179353	0.38989	0.0240087
0.0517301	0.386767	0.0115846	0.398061	0.0188258	0.380071	0.0179707
0.0539654	0.378732	0.0101309	0.382772	0.0190948	0.365584	0.0237639
0.0370652	0.375071	0.0103774	0.374549	0.0231174	0.349952	0.0198644
0.0388154	0.370044	0.0106426	0.355247	0.0193805	0.345211	0.0192353
0.0407964	0.360159	0.0105497	0.357702	0.0163879	0.33516	0.0214502
0.0365464	0.35249	0.0149426	0.341413	0.0154753	0.33309	0.0175944
0.0333821	0.348444	0.0117632	0.337006	0.0130727	0.323752	0.0155544
0.0411668	0.344128	0.0109243	0.330269	0.0148596	0.315594	0.0276043
0.0395034	0.338532	0.0115371	0.319989	0.0161723	0.316969	0.0231928
0.0411823	0.33315	0.015158	0.311344	0.0134432	0.311631	0.0185106
0.0335574	0.330677	0.0102832	0.313477	0.0184671	0.28999	0.0176235
0.0460177	0.324907	0.0112658	0.294548	0.018357	0.292934	0.022905
0.036022	0.315355	0.0162722	0.293995	0.0158417	0.283657	0.0180452
0.03925	0.309706	0.0137571	0.286219	0.0162968	0.276215	0.0140843
0.0322716	0.308114	0.0107267	0.288027	0.0104409	0.276982	0.0229223
0.0346414	0.305957	0.0101654	0.272664	0.0132386	0.268775	0.0200901
0.0411858	0.301387	0.0131925	0.270745	0.0129937	0.263251	0.0215282
0.0306591	0.295343	0.0142065	0.260436	0.0178948	0.260384	0.0204678
0.0268385	0.294584	0.0101172	0.259895	0.012901	0.258867	0.019892
0.0381088	0.290623	0.00818192	0.260199	0.0172787	0.246676	0.0210143
0.0348602	0.284869	0.0114583	0.249085	0.0171978	0.24311	0.0172687
0.0361705	0.283231	0.0116043	0.245906	0.0167303	0.239289	0.0185594
0.0378473	0.276476	0.0127805	0.239952	0.0140873	0.237602	0.0154251
0.0347298	0.272525	0.0139374	0.232611	0.0140705	0.227968	0.0157703
0.0306058	0.269772	0.0107791	0.231221	0.0105265	0.229418	0.0125239
0.0382161	0.267669	0.0107551	0.225468	0.0136278	0.221845	0.0180972
0.0271581	0.265296	0.0109784	0.223545	0.0145706	0.221429	0.0155388
0.0356827	0.261597	0.010477	0.216211	0.0155012	0.216135	0.0153627
0.0326509	0.261201	0.0132117	0.213982	0.014128	0.212964	0.0146097
0.0322201	0.259833	0.010473	0.210096	0.010217	0.207638	0.0196462
0.0311154	0.255473	0.00976098	0.210227	0.0112513	0.209606	0.0124068
0.0378099	0.25492	0.0101239	0.204755	0.015626	0.200679	0.0162127
0.0338507	0.251372	0.010012	0.199423	0.0131597	0.197333	0.0179001
0.0339479	0.247581	0.0109653	0.199042	0.012334	0.192417	0.0152791
0.0354896	0.248974	0.0116044	0.193134	0.0126111	0.188635	0.0184498
0.0383387	0.249254	0.0119215	0.190233	0.0131945	0.196382	0.0132816
0.0396512	0.250715	0.00938004	0.189643	0.0131971	0.18804	0.0118942
0.0381752	0.250464	0.00967716	0.190023	0.0123089	0.187883	0.0167628

0.0316589	0.25298	0.010526	0.189343	0.0148985	0.183809	0.0128855
0.0339491	0.256699	0.0100508	0.184591	0.0102186	0.188164	0.0149639
0.0327655	0.261576	0.00850483	0.184643	0.0106205	0.188796	0.0164008
0.0320728	0.26698	0.00916157	0.183584	0.0124738	0.182353	0.01404
0.0301792	0.273797	0.0110121	0.182528	0.0145553	0.19107	0.015013
0.0384695	0.280203	0.0120425	0.183721	0.0160807	0.189401	0.017355
0.0415115	0.284996	0.0124784	0.186081	0.0148133	0.192529	0.0148511
0.0368676	0.295719	0.012366	0.195317	0.0119537	0.198702	0.0194626
0.0339903	0.310272	0.0116014	0.196748	0.013842	0.204635	0.0133582
0.0411568	0.323902	0.0114976	0.197633	0.0142698	0.210276	0.0168589
0.0458891	0.336717	0.0109787	0.207135	0.0141042	0.215411	0.0121909
0.0326953	0.350819	0.0111387	0.212722	0.0132352	0.230429	0.0143525
0.0401049	0.366509	0.0119812	0.226473	0.013906	0.233228	0.0184979
0.0515572	0.387037	0.0144152	0.234862	0.013526	0.245426	0.0221248
0.0394696	0.405807	0.0137833	0.246761	0.0155626	0.259552	0.0165705
0.0523867	0.425861	0.0134653	0.256068	0.0172037	0.272059	0.0208442
0.0336263	0.446545	0.0101592	0.27182	0.0144898	0.285752	0.0233213
0.0560612	0.465416	0.010617	0.292741	0.0162033	0.30561	0.0156332
0.0490591	0.48622	0.0121822	0.301932	0.0193628	0.318542	0.0235122
0.0603253	0.505935	0.0140123	0.322045	0.0118688	0.343841	0.0185248
0.0574051	0.529698	0.0151862	0.339704	0.0171032	0.349795	0.0172956
0.0539122	0.54759	0.0168355	0.369546	0.0176415	0.380675	0.0176811
0.0656639	0.564156	0.0168158	0.388838	0.0201768	0.395477	0.0228594
0.0732415	0.586118	0.0158174	0.410568	0.0207992	0.411866	0.0273884
0.0602273	0.604491	0.014134	0.436697	0.0234429	0.437621	0.0261478
0.0542664	0.622502	0.0176964	0.455886	0.0234878	0.458697	0.0260232
0.0782791	0.635551	0.023812	0.472058	0.0259701	0.491165	0.028345
0.0755266	0.64784	0.0172335	0.501802	0.0267867	0.494893	0.0238509
0.067301	0.665585	0.0212245	0.519384	0.0192007	0.518857	0.025514
0.0741438	0.677589	0.0197984	0.541693	0.0197367	0.537361	0.0279279
0.0749942	0.680898	0.0201059	0.558471	0.0253307	0.557485	0.0241026
0.0879594	0.683094	0.0202966	0.581921	0.0234809	0.571465	0.0235049
0.0925311	0.687328	0.0189221	0.601203	0.0246205	0.589893	0.0349122
0.0967296	0.692113	0.020981	0.609388	0.0256675	0.592655	0.030601
0.079853	0.686562	0.0251264	0.634672	0.0303463	0.608836	0.0273712
0.0849879	0.672171	0.021696	0.639239	0.0322624	0.616039	0.0262889
0.102612	0.659537	0.0173055	0.652833	0.0354838	0.610406	0.026554
0.0854993	0.646843	0.0139434	0.659701	0.0274104	0.616983	0.0347793
0.101276	0.633347	0.015193	0.65317	0.0321107	0.619344	0.0287841
0.0929962	0.61498	0.0195891	0.662145	0.0325084	0.616628	0.0272638
0.073405	0.592149	0.0170789	0.664338	0.0288474	0.604736	0.0268609
0.106723	0.568012	0.015572	0.664166	0.0253508	0.594829	0.0286354
0.120978	0.542192	0.0141073	0.644667	0.0324011	0.58672	0.0336446
0.0922195	0.513	0.0153968	0.64113	0.0249493	0.57005	0.0281693
0.099384	0.482993	0.0120556	0.609956	0.0319298	0.556207	0.0306544
0.0939418	0.45482	0.0122267	0.598443	0.0240237	0.541707	0.0280303
0.0997095	0.427684	0.0144778	0.579055	0.0200652	0.517206	0.028462

0.0885118	0.4036	0.0131102	0.550964	0.030309	0.491369	0.0325071
0.0784901	0.377438	0.0136907	0.525346	0.0272267	0.453994	0.0262647
0.0737988	0.349235	0.0144286	0.502879	0.0218817	0.429826	0.0278824
0.0786694	0.327918	0.0130222	0.47282	0.020437	0.405457	0.0268368
0.0832691	0.303406	0.0102286	0.440703	0.0251306	0.373194	0.0203622
0.0612264	0.281539	0.0117688	0.408029	0.0162226	0.345709	0.0169579
0.0578752	0.269357	0.012716	0.378165	0.0183529	0.320792	0.0185395
0.0674407	0.25369	0.0113593	0.349063	0.0138694	0.294327	0.0192807
0.051268	0.235403	0.010396	0.323796	0.0187361	0.266897	0.0131805
0.0470863	0.224187	0.0100283	0.296916	0.0151954	0.25239	0.01772
0.0540734	0.213877	0.00893492	0.272312	0.0159684	0.22935	0.0150071
0.0415996	0.205153	0.0107251	0.254477	0.0193958	0.215886	0.0176982
0.047576	0.200263	0.00783811	0.229368	0.0126385	0.192531	0.0182062
0.0477401	0.194241	0.00692413	0.205016	0.0136874	0.179318	0.015408
0.0300142	0.188731	0.00861725	0.193949	0.0137532	0.167808	0.0148396
0.0365469	0.184174	0.00867567	0.178955	0.0138361	0.1548	0.0159584
0.028323	0.182258	0.00820797	0.169769	0.0140171	0.153115	0.0160662
0.035907	0.179604	0.00773793	0.155363	0.0104546	0.140002	0.0151528
0.0323528	0.176644	0.00764366	0.152262	0.0106037	0.136013	0.0152473
0.0299665	0.175718	0.00876643	0.140681	0.0130642	0.129518	0.0141955
0.0270815	0.17281	0.00836613	0.137292	0.0136263	0.126734	0.0115328
0.031839	0.170646	0.00737785	0.129839	0.00975833	0.123173	0.0099359
0.023076	0.172019	0.00778423	0.124343	0.0100539	0.123188	0.0125388
0.0252878	0.170635	0.00790476	0.12606	0.0121374	0.120441	0.0132091
0.0364125	0.168426	0.00921928	0.11696	0.00789095	0.115536	0.0120762
0.0260675	0.168203	0.0104183	0.117971	0.0100183	0.114628	0.0125982
0.0322828	0.168011	0.00751165	0.118163	0.0104184	0.116286	0.0124621
0.0224529	0.169347	0.00895898	0.118144	0.0114755	0.112013	0.0111058
0.0256496	0.170642	0.0095648	0.116209	0.00815836	0.112089	0.0118751
0.0286439	0.169194	0.0103954	0.113818	0.010363	0.115911	0.012722
0.0210231	0.167986	0.00741552	0.112355	0.0107474	0.112942	0.0133818
0.0259321	0.16953	0.00855666	0.116629	0.0101421	0.1117	0.010972
0.0207879	0.172645	0.00872184	0.112854	0.0108656	0.117062	0.0110926
0.0220968	0.171524	0.00807526	0.114237	0.00634563	0.119274	0.0122442
0.0207714	0.168712	0.00744397	0.115609	0.0107075	0.118575	0.0144215
0.0251081	0.169957	0.00732525	0.117696	0.0122816	0.117445	0.0119207
0.0198871	0.171598	0.0108847	0.117639	0.00963507	0.1132	0.0147284
0.0304519	0.173181	0.0113088	0.116846	0.0108413	0.112352	0.00919493
0.0254495	0.173956	0.00972527	0.114391	0.0111164	0.115713	0.01146
0.0226373	0.174948	0.00819171	0.11273	0.0119975	0.11606	0.0115266
0.0216702	0.176199	0.00781007	0.118237	0.011209	0.116497	0.0108618
0.0261412	0.175196	0.00759933	0.120065	0.0122582	0.118386	0.0103616
0.0235591	0.177419	0.0072629	0.119782	0.0105779	0.117551	0.0112159
0.0252912	0.179955	0.00914775	0.118832	0.0106206	0.118355	0.0104166
0.0252539	0.178117	0.0101948	0.120608	0.0122131	0.119774	0.0106866
0.0286642	0.174614	0.00852516	0.120549	0.0124759	0.11982	0.0125921
0.0198433	0.173785	0.00748054	0.122196	0.0106185	0.125282	0.0118697

0.0267957	0.176744	0.00869528	0.121443	0.0094337	0.126649	0.0143971
0.0205817	0.180199	0.0102275	0.119844	0.0101525	0.123433	0.0138334
0.0237775	0.179986	0.0126081	0.124366	0.0126281	0.12195	0.0120719
0.0275517	0.180411	0.00982481	0.123528	0.0089807	0.128604	0.0139932
0.0238738	0.182535	0.0102076	0.126564	0.0126246	0.129054	0.0117067
0.0248718	0.185136	0.00951424	0.12547	0.00966249	0.130736	0.0132092
0.0230128	0.187087	0.00862778	0.130993	0.00813954	0.126265	0.00929173
0.0272171	0.18818	0.010425	0.128428	0.00887737	0.133585	0.0131707
0.0195466	0.189007	0.0108048	0.127718	0.0109008	0.132981	0.015578
0.023979	0.18987	0.00858879	0.130624	0.00973808	0.136269	0.0120752
0.0260836	0.190732	0.00810961	0.132461	0.0118196	0.136967	0.0143256
0.0305166	0.189754	0.0110841	0.132284	0.0112092	0.136613	0.0116072
0.0246101	0.193048	0.0104957	0.133125	0.011096	0.138814	0.0158401
0.0211813	0.196322	0.0114637	0.139623	0.0115045	0.137149	0.013881
0.0290172	0.195233	0.0102278	0.140044	0.0108475	0.133634	0.0120355
0.0222481	0.193596	0.00885864	0.143092	0.0131492	0.140449	0.0143364
0.02394	0.197949	0.00890883	0.139486	0.00843923	0.143957	0.00897351
0.0311431	0.197629	0.00898524	0.143378	0.0100056	0.142836	0.0169299
0.0232894	0.194099	0.00905429	0.144162	0.0110193	0.147553	0.0125955
0.0252591	0.197444	0.0107786	0.145446	0.0118549	0.150248	0.0106334
0.0261131	0.199907	0.00967535	0.146529	0.014243	0.154051	0.0135478
0.0288547	0.20141	0.00861808	0.152456	0.0106938	0.150096	0.0140619
0.0235059	0.201863	0.00996916	0.149859	0.0151307	0.151975	0.0146699
0.0255689	0.20092	0.00988273	0.153107	0.010649	0.156639	0.0171358
0.0271253	0.204356	0.00790213	0.153167	0.00707604	0.157039	0.0139374
0.026893	0.201933	0.00898684	0.153682	0.0104289	0.156597	0.0107228
0.0321093	0.203049	0.00975137	0.159159	0.0151188	0.156721	0.0151804
0.0241523	0.208082	0.0093383	0.158896	0.0106804	0.161528	0.0131388

SB Gy		SB X1		SB SNF		SB SF
mean	std	mean	std	mean	std	mean
0.372716	0.0213241	0.308687	0.11143	0.207508	0.0201546	2.26705
0.380266	0.0261759	0.310137	0.108058	0.206511	0.0142846	2.22612
0.381494	0.0303519	0.315931	0.113678	0.210907	0.0169403	2.22689
0.383343	0.029217	0.308801	0.110392	0.208779	0.015025	2.24404
0.372164	0.0223948	0.302719	0.114408	0.205839	0.01184	2.23019
0.380273	0.0258454	0.306009	0.102969	0.208633	0.0155606	2.24663
0.37502	0.0201682	0.30645	0.112916	0.207516	0.0176179	2.21478
0.384129	0.0277388	0.303618	0.109196	0.202652	0.0127888	2.21132
0.376635	0.0294942	0.304958	0.109611	0.205249	0.0114203	2.20511
0.383255	0.033965	0.308482	0.111941	0.201042	0.016722	2.22559
0.372901	0.0254062	0.302535	0.107534	0.200532	0.014472	2.22557
0.371613	0.0267283	0.304841	0.103103	0.202207	0.0137443	2.2116
0.375027	0.0257698	0.311067	0.11518	0.206187	0.0165375	2.2145
0.376517	0.0267551	0.301094	0.109106	0.197679	0.0140839	2.20371
0.372764	0.023906	0.303709	0.108588	0.20063	0.0131395	2.20423
0.373007	0.0307179	0.302503	0.118517	0.198765	0.0144961	2.19836
0.371699	0.0209773	0.306898	0.107371	0.202522	0.0167546	2.24487
0.380479	0.031546	0.305782	0.114464	0.20357	0.0183039	2.21676
0.384404	0.0293727	0.30831	0.106408	0.208729	0.0180684	2.22763
0.389884	0.0297627	0.30877	0.113979	0.210373	0.0150397	2.23912
0.391656	0.0274233	0.315307	0.121606	0.216098	0.0143232	2.22939
0.399688	0.0238505	0.323118	0.11579	0.216713	0.016274	2.25873
0.410974	0.0250151	0.320944	0.114184	0.224228	0.0167299	2.23157
0.408896	0.0235667	0.327772	0.11891	0.224229	0.0158453	2.2213
0.421748	0.0236502	0.335759	0.120594	0.225353	0.0146191	2.2515
0.4241	0.0249547	0.332906	0.118561	0.227717	0.0187557	2.28104
0.416492	0.0285785	0.32266	0.120953	0.224952	0.0167007	2.24066
0.415808	0.0241955	0.323395	0.117069	0.222697	0.0128967	2.27249
0.416166	0.0305974	0.320343	0.12387	0.222966	0.0160793	2.2444
0.407442	0.023805	0.321871	0.118168	0.21837	0.0165654	2.20182
0.398192	0.0233872	0.314741	0.119057	0.217483	0.0141103	2.23863
0.394454	0.0223466	0.308351	0.116626	0.211371	0.0145995	2.20453
0.387544	0.0273999	0.309562	0.117825	0.215614	0.0160385	2.20318
0.383359	0.0315601	0.307094	0.112969	0.217671	0.0153202	2.1886
0.370008	0.0225174	0.302818	0.110933	0.215103	0.0140671	2.17309
0.370649	0.0260253	0.307004	0.12029	0.218269	0.0145846	2.19934
0.371458	0.0252193	0.304061	0.1133	0.232976	0.0215142	2.18793
0.374266	0.0231795	0.31698	0.117024	0.254039	0.0216309	2.23924
0.378974	0.0269045	0.334086	0.124367	0.296554	0.0250523	2.2608
0.380536	0.0242832	0.363993	0.134331	0.359281	0.0327462	2.36981
0.390441	0.0236091	0.405212	0.162832	0.466959	0.0449386	2.4847
0.399948	0.0243715	0.458066	0.179872	0.606444	0.0580343	2.69445
0.412937	0.0172393	0.531656	0.202839	0.78837	0.0726182	2.96039
0.43221	0.0303715	0.625153	0.25539	1.0177	0.110837	3.24064
0.450375	0.025193	0.726693	0.2906	1.275	0.143062	3.61264

0.472457	0.0277405	0.827076	0.338911	1.53985	0.179596	3.94844
0.498	0.0292648	0.92193	0.38439	1.77575	0.20439	4.23805
0.512533	0.0328701	0.997562	0.404046	1.95232	0.211892	4.54869
0.515413	0.0293187	1.03541	0.433121	2.04788	0.2165	4.64071
0.530284	0.0355724	1.03113	0.425199	2.05295	0.230785	4.62252
0.520182	0.03097	0.998692	0.40832	1.95366	0.216282	4.53226
0.511319	0.0291712	0.922986	0.371008	1.77308	0.203659	4.24779
0.495357	0.0286304	0.826326	0.338303	1.53331	0.166427	3.96532
0.476559	0.0297605	0.719981	0.291374	1.28793	0.131374	3.63702
0.455196	0.0236857	0.634273	0.25819	1.04649	0.106603	3.26762
0.431886	0.0298639	0.552862	0.225438	0.832537	0.0892648	2.98713
0.425728	0.0258066	0.495119	0.206384	0.653595	0.0658854	2.73518
0.405181	0.0233254	0.441898	0.172671	0.517751	0.0444023	2.54658
0.393977	0.0290388	0.41604	0.16779	0.427232	0.0406478	2.4497
0.395433	0.0249935	0.410751	0.170068	0.366832	0.0354811	2.36178
0.397644	0.0212563	0.429937	0.174395	0.348152	0.0341047	2.35305
0.396738	0.0225985	0.492124	0.205547	0.375542	0.033471	2.42599
0.41182	0.0234825	0.625702	0.273439	0.448361	0.0410147	2.65436
0.426622	0.023352	0.83627	0.381326	0.602861	0.0603015	3.0602
0.473306	0.0280582	1.16679	0.544323	0.851281	0.08076	3.69562
0.546224	0.0327075	1.68261	0.824195	1.2178	0.128112	4.66518
0.632605	0.0390847	2.38746	1.19222	1.7422	0.190994	6.05742
0.751081	0.0510928	3.30963	1.67876	2.4423	0.259821	7.85826
0.903525	0.0600441	4.4363	2.26747	3.29573	0.350514	10.0376
1.10555	0.0808396	5.72337	2.93666	4.2536	0.476974	12.5634
1.30088	0.105435	7.00565	3.58587	5.24586	0.590371	15.0729
1.51293	0.128142	8.1862	4.20222	6.18516	0.676862	17.5132
1.69474	0.124461	9.1074	4.65871	6.92793	0.755638	19.4821
1.82472	0.14738	9.66204	4.982	7.35558	0.802061	20.7207
1.89005	0.139062	9.73003	5.02615	7.4404	0.817311	20.9289
1.89167	0.147937	9.28289	4.79974	7.17631	0.790804	20.2087
1.82637	0.1431	8.52538	4.43293	6.58509	0.745883	18.7626
1.68839	0.129044	7.44728	3.86628	5.79957	0.651236	16.6874
1.54518	0.101766	6.20425	3.22901	4.82574	0.529498	14.2816
1.34241	0.0978442	4.98819	2.58356	3.88855	0.424243	11.831
1.17637	0.0739933	3.87888	1.98508	3.03865	0.338053	9.58169
1.048	0.0608868	2.96262	1.51594	2.28861	0.252183	7.653
0.929764	0.0550786	2.22124	1.10317	1.7002	0.176317	6.12153
0.844002	0.0460938	1.69994	0.822942	1.28203	0.140309	5.01296
0.798807	0.042529	1.29346	0.635097	0.964635	0.0995608	4.15967
0.759484	0.0497701	1.0076	0.491736	0.737116	0.0700289	3.53289
0.739432	0.0408895	0.804514	0.367258	0.571295	0.0515317	3.11701
0.722478	0.0376147	0.653943	0.287976	0.459817	0.0415526	2.79794
0.711702	0.036852	0.545005	0.237343	0.382824	0.0296623	2.56781
0.713068	0.0344655	0.467788	0.18772	0.320754	0.0224117	2.4246
0.715768	0.0485585	0.416318	0.160499	0.279257	0.0236065	2.32891
0.707745	0.0404225	0.375455	0.15611	0.251075	0.0188884	2.22138



0.70294	0.0483059	0.365689	0.143013	0.235823	0.0184049	2.16409
0.69537	0.0524448	0.353624	0.135396	0.228827	0.0196343	2.12041
0.658041	0.0426863	0.351998	0.13518	0.230167	0.0193892	2.12755
0.619547	0.054873	0.36345	0.143291	0.245096	0.0261421	2.12955
0.596756	0.0603676	0.367933	0.138046	0.257039	0.0282007	2.16679
0.571603	0.0478929	0.377293	0.149385	0.275938	0.0238608	2.17966
0.554683	0.0407247	0.380871	0.150545	0.291092	0.0252262	2.26163
0.560185	0.0433066	0.396303	0.150479	0.307689	0.0285898	2.30729
0.56399	0.0399822	0.400382	0.156765	0.3205	0.0305121	2.34532
0.570893	0.0320076	0.403593	0.161035	0.322581	0.0287649	2.37597
0.593637	0.0300065	0.394992	0.15717	0.324975	0.028041	2.40083
0.617765	0.0384793	0.390673	0.154935	0.315294	0.0264028	2.385
0.638362	0.0392277	0.387107	0.152566	0.299061	0.0291838	2.39445
0.654538	0.0403441	0.367996	0.147188	0.282108	0.0238274	2.37641
0.663806	0.0299902	0.353201	0.134942	0.264062	0.0193023	2.329
0.672772	0.0273933	0.338839	0.126049	0.245692	0.0189113	2.30572
0.673502	0.0333002	0.324438	0.12248	0.227351	0.0168124	2.25332
0.682997	0.0307671	0.322614	0.126107	0.212391	0.0160212	2.24438
0.700228	0.0397011	0.316523	0.118459	0.200822	0.0131792	2.20157
0.705575	0.0356558	0.308624	0.115244	0.193976	0.013225	2.14537
0.735114	0.0378579	0.302599	0.117071	0.185852	0.0131275	2.1195
0.767705	0.0382508	0.303824	0.115368	0.182476	0.0134558	2.08954
0.84213	0.0382054	0.299923	0.115882	0.182631	0.013154	2.07054
0.963136	0.0428276	0.310419	0.119066	0.18193	0.0139612	2.05216
1.15721	0.054753	0.326413	0.126641	0.182409	0.0135025	2.03342
1.49855	0.068892	0.35402	0.135697	0.190295	0.0139952	2.0309
2.05752	0.0840323	0.387438	0.151238	0.203176	0.0126854	2.02306
2.92723	0.119234	0.438565	0.179398	0.22129	0.0123775	2.02361
4.27618	0.156162	0.528339	0.216428	0.249639	0.0157115	2.06502
6.28791	0.231019	0.658184	0.27863	0.297006	0.0205493	2.11373
9.13014	0.310094	0.838328	0.352795	0.36308	0.0291593	2.17742
12.9534	0.451718	1.06585	0.4499	0.448346	0.0386632	2.26574
17.8921	0.650147	1.3422	0.586116	0.548835	0.0462272	2.38176
23.8371	0.826144	1.65603	0.738172	0.669816	0.0576188	2.52048
30.6409	1.0168	1.99616	0.884357	0.796993	0.0718903	2.65862
37.7573	1.32311	2.33261	1.04278	0.914228	0.0824123	2.77446
44.5817	1.5909	2.62883	1.19158	1.02309	0.0886223	2.87576
50.4373	1.81811	2.85265	1.29126	1.10644	0.0992407	2.99498
54.5841	1.91153	2.96735	1.33311	1.14736	0.106344	3.06978
56.4233	1.97923	2.96864	1.33483	1.14424	0.107357	3.04752
55.7988	1.94306	2.83253	1.2735	1.10496	0.101203	3.00556
52.7842	1.81533	2.62941	1.1646	1.0296	0.096212	2.89699
47.7514	1.65581	2.33956	1.03089	0.919819	0.0795879	2.77613
41.3805	1.43442	2.00591	0.880313	0.796082	0.0685334	2.65473
34.315	1.16852	1.66569	0.717452	0.671587	0.0574162	2.48588
27.3487	0.939717	1.36255	0.573979	0.558863	0.0425947	2.3481
21.0934	0.739198	1.10761	0.451712	0.459656	0.0328311	2.26231

15.7949	0.558569	0.905387	0.364836	0.380952	0.0256029	2.16465
11.6894	0.411496	0.746742	0.300044	0.325935	0.021689	2.08963
8.75696	0.310487	0.647243	0.246455	0.291486	0.0193821	2.04419
6.78892	0.229867	0.590655	0.222645	0.270325	0.0172872	2.01471
5.58353	0.192327	0.546215	0.199974	0.257542	0.0175151	2.02301
4.90036	0.176586	0.521495	0.191282	0.252011	0.015264	2.00817
4.54975	0.171108	0.510498	0.186851	0.248095	0.0126222	1.99517
4.34428	0.160519	0.500644	0.181503	0.240823	0.015278	2.00217
4.16705	0.143103	0.479409	0.18048	0.237179	0.0147405	2.00935
3.91412	0.138431	0.458802	0.171211	0.235576	0.0154482	2.02089
3.59086	0.140698	0.433704	0.160275	0.22889	0.0146087	2.00782
3.1958	0.111948	0.408099	0.148062	0.216873	0.0140069	1.99593
2.75212	0.0897652	0.384644	0.144042	0.208053	0.0115156	2.00099
2.2936	0.0769859	0.363698	0.133346	0.198747	0.0106627	2.00007
1.88007	0.071502	0.344482	0.125015	0.195545	0.00993633	2.00998
1.49248	0.0614355	0.335581	0.124535	0.193926	0.0113217	2.04297
1.1772	0.0450162	0.329372	0.122134	0.194349	0.0120945	2.08797
0.941556	0.0349625	0.32409	0.121432	0.203467	0.0136228	2.15856
0.769069	0.0357297	0.334488	0.127329	0.215116	0.0150431	2.28644
0.655884	0.0295008	0.35587	0.137845	0.233306	0.0175646	2.48138
0.601404	0.0281233	0.378907	0.138514	0.262196	0.0194287	2.73297
0.595001	0.0322782	0.413405	0.145295	0.298956	0.0199477	3.09541
0.621957	0.0407109	0.458681	0.165515	0.346322	0.0236429	3.5966
0.687865	0.0452526	0.510415	0.180859	0.407298	0.0318296	4.19223
0.786704	0.0632332	0.57374	0.202611	0.477706	0.0405266	4.94463
0.910689	0.0808785	0.640982	0.23069	0.549335	0.0477551	5.7714
1.05246	0.0953228	0.703966	0.251623	0.623658	0.0547991	6.63497
1.19908	0.124151	0.771852	0.271892	0.698599	0.0604395	7.45958
1.33325	0.14497	0.835163	0.295429	0.760895	0.0712701	8.21712
1.44697	0.15292	0.87121	0.309238	0.806209	0.0735183	8.83745
1.53845	0.17251	0.891144	0.310166	0.832373	0.072362	9.19713
1.58605	0.187399	0.891669	0.310804	0.831719	0.074484	9.27493
1.57439	0.183575	0.874711	0.307372	0.812981	0.0703834	9.07119
1.51674	0.181831	0.838683	0.296215	0.778119	0.0643628	8.71355
1.43153	0.152791	0.799337	0.28467	0.726501	0.0595233	8.22988
1.32344	0.140409	0.771613	0.277635	0.675143	0.053512	7.68159
1.1962	0.131814	0.750396	0.271294	0.624499	0.0427745	7.19325
1.0775	0.110467	0.737163	0.267383	0.590004	0.0377481	6.79893
0.976032	0.0815855	0.73412	0.262622	0.567045	0.0403301	6.58103
0.886271	0.0589615	0.754314	0.273936	0.553876	0.036669	6.53038
0.834327	0.053636	0.788877	0.300048	0.560058	0.0368268	6.61117
0.804654	0.0393803	0.827902	0.32288	0.575952	0.0448562	6.84031
0.783499	0.0354921	0.866698	0.331081	0.589046	0.0438771	7.06688
0.778389	0.0426232	0.885186	0.335698	0.600049	0.0436904	7.22244
0.779036	0.0401601	0.899677	0.344373	0.604876	0.0423049	7.29915
0.780779	0.0297967	0.901004	0.343095	0.601477	0.0414725	7.23966
0.776833	0.0336248	0.872978	0.32832	0.585795	0.0406707	7.03121

0.77079	0.0328023	0.831844	0.307529	0.557308	0.0401937	6.65747
0.755934	0.0271153	0.79433	0.292759	0.526256	0.0372796	6.21576
0.738013	0.0314278	0.754504	0.277459	0.496722	0.0299141	5.70833
0.718921	0.0326773	0.705575	0.252949	0.460272	0.0286796	5.15287
0.703013	0.0336959	0.661811	0.231549	0.424372	0.03007	4.65589
0.697636	0.0343313	0.622078	0.217124	0.398554	0.0286348	4.20989
0.69787	0.0314584	0.584813	0.204106	0.373926	0.027642	3.79727
0.688885	0.030187	0.557383	0.191471	0.349281	0.0215223	3.47118
0.679076	0.0364028	0.53922	0.1804	0.330443	0.0205738	3.20802
0.678533	0.0334932	0.520488	0.173819	0.314624	0.0204336	2.97128
0.678414	0.030876	0.506717	0.171121	0.302833	0.0194453	2.78465
0.670694	0.0337615	0.497199	0.165102	0.289576	0.0214027	2.63199
0.661744	0.0384873	0.48068	0.159596	0.276509	0.020021	2.50839
0.650916	0.0377832	0.470257	0.158623	0.264286	0.0187317	2.40091
0.638708	0.0352241	0.455598	0.15358	0.252195	0.016548	2.31534
0.626833	0.0333965	0.435287	0.15252	0.242166	0.0146855	2.23076
0.602146	0.0349021	0.425411	0.151627	0.231557	0.0163674	2.1613
0.577522	0.0303192	0.416105	0.144146	0.218503	0.0148076	2.1087
0.559569	0.0285785	0.401517	0.141564	0.210852	0.015712	2.04696
0.536042	0.0271029	0.389835	0.140898	0.20743	0.0138333	1.98956
0.51879	0.0226814	0.384254	0.141786	0.200883	0.0139005	1.95899
0.505612	0.0245369	0.381385	0.146725	0.193327	0.011364	1.93358
0.498301	0.0284991	0.379529	0.148268	0.191337	0.0114634	1.92274
0.495228	0.0276086	0.381737	0.144595	0.193668	0.0119929	1.9095
0.490933	0.0229089	0.385409	0.149215	0.196442	0.0108395	1.90467
0.489591	0.0224953	0.388345	0.146214	0.201656	0.0135851	1.91316
0.487884	0.0231697	0.388824	0.146106	0.207841	0.0145945	1.92712
0.487348	0.0263137	0.395524	0.152166	0.213895	0.0130022	1.91507
0.493624	0.0259613	0.406339	0.156672	0.227105	0.0142201	1.9441
0.505962	0.0293031	0.41645	0.159797	0.247886	0.0171306	1.97362
0.524971	0.0298974	0.43672	0.167502	0.281109	0.0179059	2.0227
0.526903	0.0262914	0.472575	0.184915	0.329265	0.0222421	2.0947
0.533581	0.0270116	0.518163	0.205931	0.396884	0.0304104	2.1926
0.546232	0.0264137	0.588332	0.240898	0.506759	0.0374853	2.35718
0.564335	0.0262866	0.680065	0.282539	0.667198	0.0469872	2.5971
0.579431	0.0323719	0.798719	0.342557	0.883594	0.0654907	2.94332
0.593735	0.0338645	0.95129	0.424463	1.17341	0.0785575	3.39756
0.607313	0.0266893	1.15995	0.523642	1.53697	0.103085	3.94453
0.636288	0.029684	1.41575	0.647692	1.97639	0.146032	4.61785
0.665248	0.0321439	1.68099	0.786597	2.47683	0.195348	5.41398
0.694318	0.0242754	1.97759	0.934614	3.01369	0.238984	6.23053
0.72288	0.0294067	2.27474	1.0754	3.54086	0.274383	7.02476
0.766697	0.0365183	2.52657	1.1987	4.01424	0.30405	7.78565
0.801274	0.0439138	2.69282	1.29943	4.38106	0.32427	8.37833
0.818638	0.049581	2.81864	1.37	4.62469	0.346757	8.76324
0.831094	0.0442562	2.85067	1.38107	4.72411	0.346413	8.9004
0.832441	0.0470938	2.78947	1.35222	4.64264	0.345403	8.80119

0.829957	0.0516645	2.64829	1.285	4.39459	0.331619	8.41864
0.821808	0.0501677	2.44289	1.17609	4.01472	0.305917	7.85982
0.799577	0.0422057	2.18433	1.04041	3.55078	0.277739	7.14655
0.768415	0.0347857	1.90165	0.909514	3.02688	0.22792	6.33781
0.747946	0.0336694	1.61043	0.762178	2.48763	0.183544	5.51245
0.726036	0.0316346	1.3502	0.623193	1.98078	0.141132	4.72954
0.70718	0.0323375	1.13464	0.517167	1.54734	0.106248	4.03254
0.694931	0.0337009	0.95197	0.429403	1.18417	0.0846665	3.44904
0.684584	0.0325681	0.805519	0.353893	0.890539	0.0580483	2.98488
0.690149	0.0376781	0.706255	0.302115	0.665786	0.0427609	2.62152
0.702845	0.0354651	0.646119	0.261338	0.508722	0.0344843	2.36989
0.723058	0.0328066	0.620026	0.2482	0.411423	0.0246101	2.21111
0.762223	0.0336426	0.609941	0.249825	0.353137	0.019643	2.10387
0.807597	0.0337152	0.623811	0.254461	0.323474	0.0204366	2.04502
0.865142	0.0291717	0.664488	0.271784	0.321013	0.0207822	2.03927
0.950853	0.0315156	0.730034	0.296375	0.340413	0.0201965	2.06438
1.05422	0.0436613	0.828442	0.328501	0.379745	0.0229455	2.11901
1.20483	0.0552122	0.978705	0.391818	0.433591	0.0278689	2.20537
1.43591	0.0651619	1.1936	0.477481	0.510566	0.0341381	2.28692
1.77145	0.0719451	1.51542	0.604967	0.617378	0.0435289	2.39367
2.27874	0.0847984	2.01323	0.822775	0.759494	0.0553272	2.55696
3.07655	0.114858	2.75674	1.12624	0.933832	0.0647383	2.76393
4.30867	0.167359	3.87345	1.56708	1.16927	0.0713231	3.01826
6.18951	0.225492	5.48925	2.22595	1.49542	0.091603	3.32548
8.98532	0.318582	7.77966	3.15677	1.91424	0.123485	3.6874
13.0242	0.468534	10.9424	4.4446	2.45534	0.15895	4.1563
18.686	0.651179	15.1334	6.15421	3.13465	0.202013	4.74669
26.2776	0.945931	20.4153	8.31057	4.00558	0.267314	5.46666
36.0684	1.27473	26.7938	10.9232	5.05605	0.354042	6.33902
48.0681	1.66116	34.1742	13.9735	6.27023	0.436557	7.33242
62.1404	2.1598	42.182	17.2683	7.60805	0.53029	8.36714
77.8349	2.68989	50.3936	20.674	8.98722	0.647369	9.44524
94.196	3.26809	58.2255	23.9004	10.3188	0.753848	10.5374
110.173	3.79421	64.94	26.68	11.5096	0.82849	11.5265
124.549	4.37613	70.0198	28.7817	12.4145	0.881681	12.2611
135.845	4.77371	72.878	29.9643	12.951	0.926282	12.7053
143.108	5.02775	73.1562	30.1799	13.0726	0.923292	12.796
145.455	5.11556	70.8242	29.2608	12.7629	0.889428	12.491
142.602	5.03641	66.1622	27.354	12.0228	0.837275	11.8958
134.904	4.82674	59.7257	24.791	10.9309	0.75365	10.9824
123.152	4.30528	51.9951	21.645	9.61012	0.679382	9.84788
108.47	3.72035	43.6741	18.1927	8.15136	0.588674	8.58715
92.1945	3.15397	35.4532	14.8295	6.69027	0.478474	7.39325
75.703	2.5538	27.8149	11.6563	5.30643	0.390249	6.3114
59.9368	2.0304	21.1262	8.83956	4.07131	0.316362	5.25825
45.8596	1.58508	15.4913	6.48717	3.04163	0.224359	4.3699
34.0088	1.18261	11.0078	4.59522	2.21145	0.152987	3.67314

24.4163	0.869565	7.64904	3.19861	1.56974	0.105512	3.15665
17.0133	0.608204	5.19477	2.17265	1.10361	0.0711724	2.77657
11.5521	0.379906	3.49904	1.46057	0.786174	0.0516535	2.50174
7.70807	0.23998	2.39628	0.989606	0.568602	0.0361629	2.3171
5.14452	0.177302	1.70905	0.689266	0.429239	0.0292557	2.21368
3.52825	0.126587	1.33102	0.541336	0.355055	0.0266109	2.16107
2.58904	0.0830851	1.17372	0.473446	0.322755	0.0253118	2.1421
2.14404	0.0747842	1.18866	0.466129	0.319099	0.0196485	2.14668
2.05985	0.0754324	1.34221	0.515734	0.343115	0.0199806	2.14391
2.25991	0.0801706	1.61642	0.621539	0.389441	0.0240918	2.1861
2.70744	0.0867646	2.02064	0.775616	0.453042	0.0315252	2.26176
3.40804	0.112464	2.56754	0.997697	0.544783	0.0374096	2.3543
4.36658	0.156567	3.258	1.27887	0.670624	0.0447566	2.47575
5.63177	0.195426	4.09496	1.59059	0.822397	0.0544719	2.60957
7.19252	0.251477	5.07442	1.96982	0.994912	0.0704468	2.75601
9.01366	0.323583	6.14645	2.3853	1.18411	0.0822348	2.93166
11.0824	0.409603	7.22699	2.81386	1.37734	0.0798762	3.09912
13.2466	0.471928	8.2801	3.25528	1.57448	0.0962844	3.24567
15.3667	0.538853	9.22545	3.62095	1.7567	0.117444	3.40128
17.3661	0.619849	9.94813	3.89783	1.89461	0.115539	3.51214
19.0481	0.674242	10.4021	4.0892	1.99933	0.13196	3.57858
20.208	0.726503	10.5151	4.13564	2.05438	0.144878	3.64308
20.7467	0.714494	10.3162	4.05995	2.02918	0.136225	3.64275
20.6332	0.686782	9.81264	3.87932	1.94405	0.128979	3.56854
19.8924	0.670902	9.00626	3.57199	1.8119	0.116335	3.46459
18.5386	0.62738	8.01591	3.17443	1.64057	0.105987	3.32815
16.723	0.583533	6.92155	2.74412	1.4437	0.0960417	3.1798
14.5656	0.501739	5.77495	2.31308	1.2423	0.08165	3.00898
12.2713	0.412997	4.66078	1.86153	1.04082	0.066141	2.83254
10.0426	0.349927	3.65764	1.4562	0.847344	0.0537372	2.6894
7.93488	0.266115	2.79242	1.10629	0.681468	0.0467017	2.56724
6.06653	0.220508	2.0704	0.811067	0.549258	0.0356838	2.43993
4.51484	0.180521	1.51129	0.591619	0.433533	0.0274243	2.36779
3.27056	0.126859	1.09174	0.431047	0.34861	0.0240066	2.31411
2.29831	0.0883192	0.782046	0.303877	0.286755	0.0182613	2.23318
1.57484	0.0710781	0.567075	0.217378	0.239693	0.0136457	2.22069
1.05527	0.0494537	0.414133	0.160986	0.208033	0.0128152	2.22457
0.703673	0.0314026	0.31655	0.127162	0.188046	0.01153	2.17331
0.476854	0.0253823	0.25107	0.101317	0.175112	0.0111809	2.15809
0.329256	0.0185118	0.213116	0.0888635	0.167986	0.00962738	2.17727
0.231128	0.0146133	0.194014	0.0809568	0.163532	0.0117392	2.17757
0.172857	0.0115835	0.178248	0.0715275	0.161385	0.0115909	2.18562
0.143106	0.00800486	0.172702	0.0721986	0.162679	0.00980729	2.19674
0.126101	0.0101835	0.169672	0.0747933	0.161311	0.0105517	2.21503
0.112878	0.0121306	0.169838	0.077344	0.162557	0.0118261	2.21892
0.10546	0.012742	0.169564	0.0793709	0.165594	0.0122762	2.23852
0.0980207	0.00988317	0.169467	0.0757913	0.169452	0.0121086	2.26687

0.0971087	0.00770268	0.171192	0.0758179	0.170698	0.0118805	2.26679
0.0952662	0.00924388	0.173165	0.0787328	0.170996	0.012848	2.25903
0.0924062	0.0105983	0.174622	0.0787779	0.175085	0.0111951	2.28109
0.0917546	0.00793704	0.177833	0.0828147	0.182862	0.0130785	2.30106
0.0921165	0.00549585	0.181045	0.0860011	0.190733	0.0136419	2.33797
0.0898673	0.00722141	0.183237	0.0858833	0.200782	0.0106478	2.35288
0.0878878	0.0070874	0.192121	0.0890881	0.214852	0.012575	2.40133
0.0897843	0.00506456	0.204621	0.0962997	0.23578	0.01354	2.43386
0.0898014	0.0074409	0.218496	0.109232	0.268041	0.0146619	2.48122
0.0892425	0.00756517	0.239814	0.126027	0.31176	0.0164656	2.57761
0.0902533	0.00888054	0.265511	0.14716	0.37361	0.0213875	2.71033
0.0947633	0.00872779	0.302629	0.194088	0.454766	0.0301856	2.87886
0.100709	0.0110056	0.355038	0.26178	0.566086	0.0386928	3.09635
0.108737	0.0141541	0.418635	0.334223	0.711747	0.0440866	3.39576
0.11304	0.0171639	0.500131	0.432688	0.896421	0.0581731	3.70501
0.121754	0.020825	0.595537	0.559972	1.11604	0.0714759	4.0963
0.137492	0.0262649	0.705957	0.701926	1.36784	0.0907241	4.59449
0.150986	0.0340488	0.827499	0.864483	1.64794	0.103825	5.11626
0.163956	0.0409616	0.949433	1.03914	1.94565	0.120789	5.6217
0.181431	0.0517584	1.07187	1.21251	2.23843	0.14007	6.17742
0.199876	0.0584596	1.18844	1.37194	2.51026	0.164536	6.6782
0.213217	0.0687115	1.28457	1.51914	2.74586	0.171833	7.08747
0.225729	0.0734272	1.34406	1.62555	2.91906	0.185284	7.40739
0.237254	0.0788782	1.37192	1.66773	3.00133	0.19812	7.59811
0.245219	0.089259	1.3705	1.69441	3.01794	0.201733	7.64285
0.251795	0.0957245	1.32953	1.64848	2.9541	0.185573	7.58298
0.255958	0.0866469	1.25985	1.54246	2.79845	0.176453	7.3602
0.247662	0.0827964	1.17047	1.42166	2.57875	0.163032	6.97784
0.23464	0.0813667	1.04754	1.26036	2.29696	0.137901	6.57841
0.229318	0.0808938	0.929903	1.09324	2.00321	0.13354	6.11763
0.220743	0.0665006	0.806283	0.905831	1.70694	0.112303	5.62412
0.207048	0.0522694	0.691258	0.732615	1.41277	0.0849779	5.09845
0.194389	0.0370583	0.58615	0.587295	1.15989	0.071677	4.67631
0.181991	0.0376021	0.494717	0.462323	0.939926	0.058404	4.31514
0.170625	0.0297795	0.415741	0.335834	0.748609	0.0494313	4.04222
0.160793	0.026302	0.359954	0.24821	0.59913	0.0441819	3.86587
0.153482	0.0204461	0.316739	0.200006	0.493103	0.036404	3.63708
0.149322	0.0161264	0.290419	0.163824	0.409486	0.0291076	3.57888
0.139231	0.0132671	0.274148	0.136459	0.349712	0.0242671	3.55219
0.137264	0.0105368	0.250626	0.120827	0.31363	0.0208224	3.50128
0.132414	0.0118896	0.245018	0.111573	0.289759	0.0239937	3.4261
0.130831	0.0140143	0.240974	0.11498	0.272726	0.0257093	3.38189
0.131222	0.0108052	0.24318	0.10871	0.263474	0.0218123	3.38224
0.125637	0.00946786	0.246535	0.105663	0.263743	0.0208935	3.35695
0.124988	0.0118189	0.243467	0.106908	0.265142	0.0172754	3.32365
0.123967	0.0127261	0.244987	0.110067	0.272151	0.0169821	3.34296
0.12186	0.0104646	0.246808	0.108375	0.27929	0.0149712	3.34193

0.123058	0.0108462	0.247076	0.105152	0.291366	0.0244187	3.30676
0.12637	0.0121867	0.252998	0.106551	0.307845	0.022544	3.34272
0.125766	0.0112009	0.261795	0.118868	0.329025	0.0222564	3.35771
0.128551	0.0140629	0.269398	0.121473	0.354547	0.028397	3.36441
0.130737	0.0112497	0.28064	0.128357	0.379885	0.0267315	3.40052
0.133933	0.0111301	0.296098	0.135897	0.41207	0.0326978	3.44747
0.130692	0.0129497	0.308611	0.134725	0.442399	0.0334053	3.48123
0.133694	0.0118204	0.323759	0.149728	0.475895	0.0366609	3.56186
0.137587	0.0115689	0.337564	0.157505	0.51244	0.0377843	3.60963
0.138529	0.0133954	0.351092	0.167931	0.546646	0.0410919	3.6571
0.142767	0.0145518	0.362274	0.179165	0.586065	0.0467371	3.75075
0.14467	0.0132928	0.38375	0.20165	0.627239	0.0489208	3.79071
0.142328	0.0114496	0.407054	0.225756	0.661063	0.0498674	3.89221
0.143778	0.013685	0.426387	0.244071	0.707026	0.041594	3.95707
0.144424	0.0127217	0.446211	0.268689	0.751786	0.042591	4.03181
0.152002	0.0135893	0.460228	0.285813	0.796918	0.0475565	4.12815
0.150444	0.0141152	0.475708	0.304434	0.829703	0.0479264	4.19409
0.152471	0.0163489	0.494587	0.331554	0.868429	0.0487716	4.2507
0.155092	0.017643	0.504033	0.346603	0.89328	0.0497712	4.28171
0.159695	0.021127	0.512556	0.356103	0.890999	0.0503062	4.29754
0.162607	0.0204253	0.509767	0.354734	0.88971	0.0519601	4.26117
0.163466	0.0185693	0.497335	0.349415	0.864481	0.0516863	4.2419
0.165249	0.0185024	0.490542	0.352077	0.831193	0.0492199	4.20328
0.165146	0.0179473	0.478263	0.340979	0.782683	0.0475892	4.09476
0.162119	0.0196238	0.461823	0.338194	0.728379	0.0410541	3.98443
0.162968	0.0163457	0.437558	0.318276	0.667684	0.0294894	3.88418
0.156878	0.0146794	0.408823	0.301095	0.602421	0.0367164	3.7435
0.15257	0.0152804	0.389161	0.292023	0.54394	0.0307304	3.66942
0.148613	0.0139917	0.370002	0.285531	0.490371	0.0291405	3.57853
0.149875	0.0147743	0.352907	0.265869	0.44622	0.0227159	3.44511
0.150155	0.0141225	0.343501	0.26225	0.40526	0.019155	3.37574
0.145958	0.0110783	0.334522	0.257518	0.37417	0.0216121	3.3222
0.142247	0.0106191	0.327766	0.253398	0.349518	0.0197755	3.27709
0.143534	0.0128977	0.320727	0.249955	0.332081	0.0165487	3.28408
0.147571	0.0145961	0.31339	0.237044	0.321084	0.0172092	3.26918
0.145757	0.0149061	0.312009	0.239898	0.316791	0.0212081	3.27252
0.143223	0.0119269	0.314326	0.231058	0.314331	0.0206615	3.24132
0.14271	0.0109012	0.314794	0.216943	0.312989	0.0197039	3.31764
0.148662	0.0121301	0.317321	0.215891	0.31506	0.0196044	3.35709
0.146175	0.0142393	0.318855	0.215501	0.323614	0.0197624	3.33443
0.141352	0.0123073	0.319025	0.208902	0.328031	0.0181358	3.42681
0.145824	0.00935231	0.317346	0.194354	0.33339	0.0191147	3.44265
0.145983	0.012859	0.320002	0.190173	0.335332	0.025755	3.4585
0.148751	0.0145125	0.321852	0.196601	0.346897	0.0249856	3.47428
0.145033	0.0135608	0.324388	0.192799	0.344496	0.0219798	3.52318
0.145449	0.0118917	0.316945	0.178781	0.345533	0.0212615	3.55758
0.147925	0.0135539	0.317279	0.168387	0.345567	0.023398	3.59928

0.149046	0.0151232	0.311428	0.169444	0.345719	0.0236214	3.62263
0.145052	0.0120739	0.321141	0.168793	0.350052	0.0236602	3.65921
0.148941	0.0173923	0.317219	0.157605	0.349658	0.0224828	3.66147
0.148862	0.0163482	0.317117	0.155625	0.354829	0.0249996	3.71966
0.150637	0.0123972	0.321917	0.153044	0.355674	0.0279649	3.75717
0.151626	0.0160471	0.321856	0.154492	0.355803	0.02133	3.84095
0.154435	0.0144171	0.329338	0.153386	0.361652	0.0249951	3.8931
0.152992	0.0148324	0.341486	0.154579	0.379238	0.0280349	3.976
0.154502	0.01426	0.352842	0.157412	0.398063	0.0284992	4.13856
0.15881	0.0130098	0.380094	0.163256	0.420075	0.0325171	4.35679
0.161974	0.015563	0.399441	0.174356	0.445194	0.0359809	4.51281
0.167055	0.0147217	0.437673	0.187232	0.483076	0.0374168	4.78107
0.171432	0.0124857	0.471153	0.213697	0.522551	0.0352422	5.04717
0.176481	0.0151044	0.514686	0.240125	0.572424	0.044832	5.41671
0.184784	0.0134373	0.559292	0.269614	0.626839	0.045095	5.72629
0.192962	0.0148093	0.608603	0.300128	0.674825	0.0532268	6.06146
0.197919	0.0163869	0.651811	0.330972	0.732995	0.0532861	6.39242
0.201462	0.0122642	0.693177	0.3459	0.780308	0.0621752	6.75486
0.209317	0.0193193	0.723231	0.36429	0.828316	0.0593006	6.97735
0.213598	0.0175184	0.746434	0.374711	0.857213	0.0678454	7.15261
0.218603	0.0203201	0.75398	0.387098	0.869193	0.0684601	7.25188
0.228703	0.0170431	0.754823	0.386219	0.88014	0.0647953	7.27763
0.230293	0.0188532	0.735609	0.369397	0.866388	0.0574937	7.24742
0.229489	0.0173821	0.706607	0.351078	0.837922	0.0627825	7.09914
0.233927	0.0188456	0.680182	0.331935	0.803116	0.0587948	6.87438
0.228963	0.0150076	0.647225	0.298023	0.748522	0.0515251	6.58341
0.230005	0.0216778	0.600032	0.267951	0.706264	0.0515851	6.24071
0.232828	0.021338	0.548747	0.24216	0.654641	0.044061	6.00921
0.229174	0.0175924	0.525417	0.220791	0.610766	0.03857	5.71482
0.221265	0.0160429	0.482829	0.192299	0.562102	0.0318643	5.39292
0.219507	0.0195085	0.449678	0.180971	0.53023	0.036165	5.15741
0.228013	0.0179282	0.427808	0.175341	0.492702	0.0308751	4.9542
0.222046	0.0166245	0.408881	0.160208	0.464742	0.031061	4.78852
0.221653	0.0144172	0.394551	0.159007	0.441589	0.0246756	4.65071
0.220926	0.0182145	0.378389	0.15381	0.429736	0.0269686	4.56206
0.221841	0.0163525	0.370679	0.153299	0.415957	0.0247664	4.46882
0.21921	0.0186856	0.364527	0.148449	0.41271	0.0240632	4.44359
0.220505	0.0152808	0.35406	0.139173	0.394001	0.0265526	4.41204
0.215325	0.0176884	0.350381	0.137091	0.393207	0.0219366	4.3556
0.216778	0.0143858	0.358948	0.149811	0.39696	0.0213097	4.34829
0.214662	0.0181113	0.353149	0.147498	0.390084	0.0309783	4.26756
0.215885	0.0139064	0.35065	0.149049	0.390534	0.0227882	4.26594
0.211902	0.0200428	0.347938	0.14198	0.393936	0.0189791	4.27883
0.214447	0.0199218	0.353269	0.146322	0.39138	0.025652	4.273
0.212056	0.0163734	0.354931	0.144917	0.391771	0.0231682	4.26684
0.206556	0.0202983	0.357318	0.147613	0.391167	0.0206284	4.26931
0.207812	0.0174127	0.353341	0.141449	0.390935	0.0279325	4.26516



0.216472	0.0152578	0.359126	0.145813	0.393426	0.0226633	4.29264
0.211488	0.0161351	0.365582	0.155306	0.399975	0.0257843	4.35138
0.213214	0.0156818	0.374822	0.150157	0.403243	0.0234961	4.37902
0.211663	0.0179413	0.381162	0.160368	0.408233	0.0278467	4.42605
0.214777	0.0150893	0.392274	0.156559	0.418365	0.0266725	4.52613
0.221949	0.0150355	0.400222	0.160519	0.432384	0.0263109	4.60651
0.22571	0.0182687	0.4137	0.155322	0.447941	0.0285337	4.81191
0.224718	0.0205449	0.44535	0.186208	0.465081	0.0235906	4.98527
0.227831	0.0202068	0.459381	0.178791	0.49756	0.0340678	5.26262
0.239124	0.017129	0.499573	0.207009	0.527918	0.0307861	5.65283
0.238537	0.0217245	0.548352	0.217352	0.572157	0.0383831	6.01328
0.251113	0.0176954	0.595772	0.243493	0.618863	0.0509835	6.61848
0.256171	0.0214945	0.654659	0.270917	0.682692	0.0615216	7.21887
0.271015	0.0184257	0.7282	0.302188	0.75715	0.0636241	7.97149
0.275798	0.0222717	0.814155	0.337937	0.835002	0.0752566	8.76868
0.295402	0.0223111	0.902858	0.391005	0.923046	0.0914935	9.67787
0.315952	0.0268241	0.994102	0.420639	1.01304	0.0936975	10.6656
0.327325	0.0238547	1.07445	0.459839	1.11107	0.114447	11.591
0.342119	0.0193821	1.15046	0.486367	1.18647	0.126837	12.4324
0.369209	0.028592	1.21077	0.524454	1.26704	0.139877	13.2361
0.373247	0.0239276	1.28295	0.558781	1.33183	0.148101	13.8814
0.392341	0.0215759	1.30148	0.558322	1.36922	0.151423	14.3497
0.410861	0.0253978	1.31823	0.56966	1.37763	0.155605	14.611
0.42209	0.0323473	1.28378	0.539327	1.37145	0.150202	14.4928
0.438091	0.0238554	1.27153	0.539763	1.34302	0.147381	14.2743
0.449086	0.0348606	1.22619	0.51928	1.29643	0.134954	13.8714
0.457838	0.0342788	1.15901	0.506089	1.22615	0.127967	13.2905
0.464444	0.0262884	1.08741	0.468389	1.15124	0.114821	12.746
0.473033	0.0295967	1.01224	0.43391	1.05672	0.097336	11.9609
0.469797	0.026727	0.94856	0.407582	0.98826	0.0975887	11.2457
0.464054	0.0281947	0.875779	0.365666	0.90813	0.0678399	10.5519
0.46515	0.0270696	0.819963	0.357007	0.835077	0.058176	9.91715
0.4688	0.02286	0.764113	0.311116	0.767797	0.0587927	9.50348
0.456843	0.0251147	0.734694	0.320834	0.719934	0.0510806	9.09349
0.442797	0.0195384	0.686322	0.289804	0.681436	0.0511618	8.81822
0.422219	0.0277837	0.668567	0.286091	0.647365	0.0410718	8.61173
0.416284	0.0312156	0.648767	0.286943	0.619381	0.0313908	8.67573
0.397437	0.0305841	0.640278	0.280754	0.607864	0.0389783	8.7262
0.385937	0.0216929	0.642906	0.290999	0.601284	0.031957	8.85314
0.356066	0.0284117	0.636522	0.280235	0.59892	0.0432301	8.95609
0.345045	0.0246834	0.646084	0.294025	0.598874	0.0381895	9.33001
0.326019	0.0180854	0.65544	0.309892	0.617907	0.0446498	9.65088
0.31662	0.0246355	0.671291	0.31542	0.621808	0.0392404	9.99678
0.299395	0.0223628	0.690016	0.329579	0.629226	0.0400584	10.4347
0.289159	0.0217964	0.708301	0.33833	0.656287	0.0424043	10.9676
0.283025	0.0236775	0.732611	0.354816	0.674192	0.0461824	11.5251
0.275868	0.019359	0.767835	0.379215	0.70532	0.0522659	12.2797

0.272521	0.0171116	0.807115	0.400727	0.743744	0.0500931	13.1265
0.269378	0.0227351	0.860383	0.436877	0.782653	0.0550128	14.3142
0.272195	0.0167459	0.945155	0.497787	0.845549	0.0537513	15.9475
0.274476	0.0157399	1.064	0.577313	0.932381	0.0685313	18.1253
0.272904	0.0190724	1.2361	0.694522	1.0681	0.0787304	21.594
0.271792	0.0181558	1.4809	0.837463	1.25639	0.0882433	26.5893
0.284012	0.018211	1.88081	1.09562	1.54329	0.113704	33.982
0.291995	0.0205171	2.45248	1.49893	1.96464	0.129893	44.8513
0.302678	0.0243775	3.28351	2.02708	2.58857	0.187473	60.8162
0.335683	0.0260234	4.46787	2.81763	3.47236	0.233557	83.7091
0.355731	0.0235856	6.08874	3.8666	4.714	0.314095	115.53
0.405823	0.0274803	8.30852	5.33036	6.39116	0.452	159.485
0.451694	0.0346639	11.198	7.16914	8.67245	0.604677	217.491
0.536835	0.0434415	14.9134	9.63513	11.619	0.818885	291.832
0.629114	0.0379553	19.5287	12.6294	15.2631	1.04547	386.63
0.765389	0.0469514	25.0942	16.229	19.7363	1.39397	500.823
0.925909	0.07662	31.5532	20.4737	24.9782	1.74931	635.35
1.1057	0.0844052	38.8303	25.3203	31.0223	2.2071	788.032
1.33524	0.09238	46.5039	30.251	37.4553	2.62381	954.263
1.57232	0.127661	54.4471	35.4681	44.3957	3.15239	1128.13
1.85819	0.132348	62.3304	40.5179	51.2113	3.59605	1304.18
2.15061	0.165043	69.446	45.2448	57.6616	4.04778	1467.9
2.42904	0.183177	75.5149	48.9825	63.4149	4.5032	1613.48
2.68121	0.201296	80.0848	52.115	67.8632	4.80237	1726.77
2.9117	0.225226	82.8787	54.0522	71.0353	5.14113	1806.12
3.08435	0.213983	83.509	54.4057	72.3199	5.08934	1839.23
3.19734	0.231403	82.1536	53.4507	71.8206	5.13461	1827.86
3.26731	0.233598	78.7382	51.316	69.6078	4.89791	1771.84
3.24591	0.232052	73.6831	47.9922	65.7734	4.65259	1673.66
3.14064	0.26008	67.0878	43.7705	60.6819	4.2615	1543.41
2.99782	0.196674	59.7524	38.8979	54.4858	3.82542	1387.29
2.74969	0.201956	51.78	33.5889	47.754	3.38237	1215.92
2.5149	0.190806	43.8766	28.4466	40.8022	2.97603	1039.97
2.23372	0.160146	36.1749	23.5578	34.0506	2.37639	868.368
1.94913	0.146123	29.0978	18.8918	27.7359	1.99148	706.721
1.68283	0.126273	22.9526	14.8644	22.1033	1.61426	562.352
1.44562	0.106121	17.6548	11.4375	17.1603	1.23426	436.835
1.20703	0.0797906	13.3174	8.59378	13.0718	0.907897	331.916
1.02663	0.0812693	9.85315	6.30104	9.74091	0.6897	247.052
0.846431	0.04934	7.15185	4.54584	7.13622	0.501568	179.822
0.729146	0.0418396	5.14876	3.19753	5.18712	0.353035	128.947
0.631396	0.0375157	3.67944	2.24968	3.69742	0.255662	91.16
0.560745	0.0394308	2.63366	1.59079	2.64536	0.192723	63.8324
0.498128	0.0401024	1.90874	1.09133	1.9161	0.142505	44.6391
0.454944	0.0310433	1.41439	0.760179	1.41507	0.0945908	31.4279
0.42886	0.0288671	1.10902	0.581204	1.09306	0.0697589	22.5637
0.409371	0.0235671	0.899481	0.435672	0.865589	0.0506758	16.8046

0.402467	0.0335621	0.762014	0.345078	0.733573	0.0459525	13.0441
0.394832	0.0266795	0.690678	0.297054	0.646375	0.0438198	10.6655
0.382728	0.0240049	0.64285	0.271698	0.593725	0.0352859	9.11927
0.386637	0.0252377	0.603266	0.245015	0.559156	0.033398	8.21384
0.391509	0.0312597	0.599583	0.238052	0.541745	0.0304902	7.5785
0.391369	0.0255311	0.598366	0.233071	0.538124	0.0350722	7.20473
0.390883	0.0278155	0.592209	0.23034	0.533723	0.030353	6.91542
0.392718	0.0245059	0.589347	0.226832	0.525171	0.0291192	6.79009
0.400349	0.0263058	0.59533	0.233519	0.53573	0.0360621	6.69508
0.402413	0.0265483	0.596114	0.234921	0.538841	0.0347248	6.72511
0.4025	0.0308385	0.60782	0.231734	0.545387	0.0258346	6.74992
0.398191	0.0234157	0.613884	0.229863	0.547117	0.0336726	6.74647
0.406334	0.0325259	0.619817	0.236401	0.554814	0.0319455	6.84831
0.406229	0.0267422	0.623023	0.235929	0.557007	0.0315981	6.93522
0.417607	0.0333537	0.647718	0.254377	0.577087	0.031506	7.09056
0.399099	0.0274648	0.662121	0.258567	0.585407	0.0300946	7.25994
0.419612	0.0267127	0.673271	0.258747	0.6	0.0432121	7.53899
0.410395	0.0211471	0.703584	0.290286	0.611641	0.0293485	7.82217
0.418447	0.0267329	0.708888	0.281203	0.643842	0.0385499	8.19344
0.412196	0.0303997	0.739595	0.301332	0.660965	0.0344486	8.64727
0.41821	0.0250826	0.759335	0.308835	0.691799	0.0388221	9.07916
0.418667	0.0217823	0.807327	0.340427	0.7235	0.0313108	9.77474
0.427949	0.0257889	0.863309	0.378356	0.771054	0.0427931	10.6034
0.434326	0.0250777	0.935946	0.415973	0.828402	0.0450555	11.7747
0.426772	0.0268691	1.0259	0.477447	0.904183	0.061527	13.2654
0.429214	0.0234067	1.15593	0.561399	0.997876	0.059365	15.208
0.439701	0.0380626	1.30126	0.644763	1.09916	0.0665797	17.9848
0.442922	0.0244442	1.49538	0.780185	1.27449	0.0666354	21.5895
0.44718	0.0247349	1.78043	0.971858	1.4719	0.0896469	26.2593
0.446651	0.0297062	2.12293	1.19102	1.75276	0.109787	32.6515
0.459183	0.031136	2.57125	1.50111	2.09607	0.126755	40.6804
0.467402	0.0211286	3.14158	1.86912	2.52907	0.157004	50.8736
0.485948	0.0247192	3.81097	2.29614	3.05818	0.202038	63.4304
0.511451	0.0284367	4.62439	2.8827	3.67139	0.236072	78.7432
0.524214	0.0358143	5.55253	3.4974	4.44856	0.268326	96.3723
0.558387	0.0329121	6.59737	4.22566	5.24779	0.342678	116.146
0.574362	0.0316822	7.68635	4.96902	6.1887	0.396635	138.592
0.602703	0.0379904	8.84942	5.67848	7.15376	0.471163	161.535
0.642011	0.0426871	10.0693	6.56095	8.11683	0.565127	184.928
0.692209	0.0379365	11.119	7.31325	9.07257	0.623092	207.521
0.723016	0.044246	12.077	7.87311	9.93753	0.65782	227.669
0.77547	0.0421708	12.8242	8.42015	10.6781	0.719834	244.904
0.801192	0.0512674	13.3564	8.82747	11.1687	0.759952	257.307
0.829224	0.0459896	13.5631	8.97929	11.5207	0.770559	264.628
0.859626	0.0533253	13.5184	8.88322	11.5797	0.799311	266.199
0.851537	0.0530327	13.165	8.68496	11.3738	0.734388	261.42
0.867506	0.0575767	12.5338	8.18672	10.9215	0.731507	251.189

0.862619	0.0542283	11.6903	7.70131	10.3063	0.699595	236.014
0.834795	0.0449096	10.6708	7.03879	9.4857	0.629963	216.574
0.814521	0.0525104	9.50327	6.22659	8.5342	0.546712	194.366
0.770355	0.0444869	8.32558	5.38793	7.52879	0.477244	170.507
0.752082	0.0476568	7.10035	4.59966	6.51319	0.409042	146.092
0.693114	0.035964	5.97529	3.83106	5.52892	0.358424	122.518
0.667821	0.0468528	4.91113	3.09264	4.58497	0.272311	100.704
0.616414	0.0259887	3.9954	2.52666	3.75286	0.245235	80.7752
0.583336	0.0351381	3.18145	1.93281	3.00982	0.202301	63.5225
0.544108	0.0259237	2.52915	1.48653	2.3963	0.152914	48.8703
0.513457	0.0320141	1.99341	1.12943	1.89644	0.12256	37.103
0.496591	0.0348952	1.55696	0.85982	1.48221	0.0885858	27.4214
0.469278	0.0243022	1.24315	0.653621	1.17546	0.0735234	20.0897
0.459781	0.0229088	1.002	0.473882	0.931464	0.0536377	14.4503
0.447451	0.0263791	0.827871	0.376175	0.762029	0.0417242	10.2713
0.442388	0.0270518	0.715281	0.307863	0.635252	0.0400324	7.34005
0.448034	0.0286166	0.629414	0.24693	0.545645	0.0341183	5.28206
0.444267	0.0303522	0.568495	0.20306	0.485222	0.025143	3.80293
0.448898	0.0246633	0.535077	0.204513	0.443073	0.0277336	2.81
0.461794	0.0303523	0.518577	0.18074	0.420569	0.0203859	2.1554
0.466309	0.0255527	0.518244	0.186381	0.404813	0.0185172	1.70763
0.48029	0.0315092	0.515433	0.171158	0.395194	0.0210286	1.46974
0.485308	0.0319769	0.525314	0.182433	0.398716	0.0223021	1.3249
0.510351	0.0366843	0.544744	0.184241	0.397821	0.0220474	1.24488
0.536309	0.0334227	0.557056	0.17743	0.414337	0.0273	1.18049
0.544772	0.0306367	0.594784	0.195431	0.422096	0.0213309	1.19108
0.563274	0.0281968	0.625181	0.199896	0.444381	0.0251995	1.23638
0.591913	0.0354163	0.656972	0.207201	0.469645	0.0274419	1.28319
0.603271	0.0338848	0.685117	0.227717	0.493239	0.0286956	1.37207
0.612546	0.0457993	0.743652	0.231662	0.527581	0.0266672	1.45147
0.620041	0.034554	0.789551	0.252361	0.564041	0.032905	1.60655
0.624411	0.0382925	0.842989	0.26567	0.602645	0.0351019	1.72592
0.637539	0.0355504	0.882957	0.272524	0.633732	0.0283386	1.88319
0.630633	0.0300967	0.936582	0.303103	0.676968	0.0335966	1.99967
0.622165	0.0399371	0.982816	0.300666	0.717428	0.0410803	2.13937
0.620751	0.0396978	1.01527	0.318238	0.743162	0.0379929	2.27426
0.612024	0.0277623	1.04295	0.332268	0.774849	0.0402283	2.38963
0.595935	0.0398092	1.05324	0.325496	0.795191	0.0419099	2.43594
0.579034	0.0376433	1.05159	0.334027	0.799751	0.0351225	2.49378
0.564589	0.0324687	1.0379	0.322286	0.800086	0.0371911	2.44812
0.550919	0.0409481	1.01903	0.312807	0.793677	0.0439895	2.4081
0.549309	0.0304739	0.982069	0.304112	0.779275	0.0408944	2.30001
0.527049	0.0320083	0.940319	0.288827	0.752212	0.040066	2.22659
0.516527	0.0246431	0.904935	0.274978	0.720175	0.0368815	2.09601
0.506816	0.034279	0.841925	0.242702	0.694726	0.0473598	1.95961
0.514774	0.030142	0.793338	0.241323	0.66264	0.0360349	1.82303
0.500613	0.0264534	0.733395	0.211078	0.619974	0.0305857	1.6727

0.494271	0.0367363	0.682971	0.207818	0.590568	0.0297961	1.51928
0.483743	0.0288246	0.643047	0.177283	0.555223	0.0285821	1.3937
0.489656	0.0326344	0.59866	0.170153	0.52272	0.026378	1.27106
0.488864	0.0301915	0.570832	0.155541	0.495409	0.0299286	1.15542
0.487944	0.02942	0.53033	0.15133	0.480254	0.0242672	1.06154
0.49832	0.0318196	0.520843	0.153128	0.460998	0.0236612	0.983258
0.482086	0.0341074	0.498962	0.144355	0.447583	0.0269995	0.928208
0.488836	0.0341462	0.486599	0.139912	0.43303	0.0221468	0.884471
0.492362	0.0274356	0.49061	0.147956	0.438351	0.0233345	0.862443
0.496203	0.0244791	0.480578	0.149696	0.427301	0.0194773	0.819232
0.512617	0.0280552	0.479408	0.131527	0.420731	0.0217608	0.805138
0.519124	0.0321731	0.474126	0.136446	0.420145	0.0252402	0.798861
0.516768	0.0332242	0.476407	0.155449	0.416642	0.0261866	0.777904
0.527857	0.0257864	0.483248	0.144179	0.419566	0.0257975	0.780864
0.52979	0.0347802	0.480016	0.15145	0.417012	0.0263763	0.746201
0.536778	0.0296195	0.474658	0.148185	0.41686	0.0210794	0.786715
0.540895	0.0306319	0.480195	0.158852	0.418636	0.0237086	0.775397
0.531995	0.0315901	0.475304	0.158039	0.416594	0.0218048	0.774744
0.535237	0.0252574	0.47746	0.152936	0.42111	0.0220344	0.752733
0.536276	0.0237866	0.473522	0.163047	0.42287	0.0236016	0.769149
0.531516	0.0303314	0.472632	0.1592	0.41584	0.0254319	0.770274
0.526396	0.0300142	0.48538	0.161049	0.421668	0.027377	0.778586
0.52519	0.031379	0.471373	0.157105	0.421964	0.0213102	0.784047
0.514254	0.0379234	0.477966	0.169525	0.425419	0.0274753	0.754121
0.519105	0.0299345	0.486465	0.164267	0.432035	0.0231981	0.765926
0.508814	0.0327403	0.478165	0.158756	0.434984	0.0281147	0.810545
0.508996	0.0302509	0.487297	0.175054	0.439155	0.0305352	0.803673
0.511892	0.0273709	0.484344	0.160604	0.44598	0.0222155	0.791888
0.506185	0.0282694	0.489376	0.168722	0.447495	0.0272548	0.837824
0.497407	0.0327149	0.49432	0.169731	0.464667	0.0228913	0.833367
0.500387	0.035269	0.518027	0.183827	0.478272	0.0294152	0.850556
0.499985	0.0297676	0.522193	0.195703	0.489796	0.0291557	0.865901
0.500343	0.0290652	0.536164	0.188829	0.518621	0.0349549	0.875445
0.498261	0.031389	0.558857	0.207107	0.547769	0.0316015	0.925844
0.497765	0.0350265	0.585625	0.23621	0.582763	0.0411671	0.921419
0.502759	0.0253394	0.629368	0.273681	0.619892	0.0510425	0.961756
0.508809	0.0309231	0.673551	0.320663	0.69493	0.062944	1.01267
0.507504	0.03	0.719057	0.390201	0.755942	0.0659191	1.05146
0.517793	0.0317664	0.787837	0.456206	0.838393	0.0899002	1.11835
0.498252	0.031584	0.843685	0.562181	0.937492	0.112477	1.13847
0.506567	0.0314694	0.93391	0.676179	1.0405	0.130986	1.24425
0.508302	0.0300906	0.98891	0.754232	1.15632	0.158102	1.32558
0.515181	0.0313064	1.07429	0.876782	1.2703	0.189679	1.40113
0.529988	0.032009	1.14437	0.995855	1.36722	0.195913	1.48866
0.526081	0.0344199	1.20988	1.07572	1.48174	0.224726	1.59662
0.52763	0.0307745	1.27163	1.1586	1.5697	0.249619	1.6247
0.536364	0.0339432	1.29489	1.18967	1.63898	0.272789	1.70562

0.531632	0.029309	1.3385	1.27083	1.70586	0.275156	1.74369
0.535063	0.0317246	1.35964	1.27335	1.73531	0.283197	1.83523
0.536896	0.0292475	1.35041	1.28107	1.73821	0.277698	1.83934
0.552434	0.0300414	1.33018	1.24716	1.70573	0.279185	1.88117
0.537546	0.0317409	1.28768	1.17499	1.65989	0.25917	1.86901
0.545144	0.0341375	1.23	1.08049	1.59759	0.233377	1.86012
0.542429	0.033526	1.16908	0.96387	1.48986	0.226893	1.85729
0.54085	0.0383404	1.10277	0.853312	1.41002	0.207932	1.82167
0.536669	0.0328047	1.02398	0.778528	1.30681	0.168492	1.73524
0.551657	0.0363924	0.948656	0.646707	1.20099	0.157349	1.7022
0.54173	0.0286275	0.895363	0.548919	1.08705	0.131958	1.65866
0.538144	0.0308595	0.83463	0.457803	0.994922	0.101924	1.61889
0.541285	0.0329498	0.776899	0.387428	0.901314	0.0853623	1.55272
0.532176	0.0326602	0.724853	0.309146	0.831519	0.0747444	1.47917
0.540369	0.0314973	0.696221	0.261873	0.757822	0.0561471	1.44727
0.536917	0.0341104	0.671819	0.223943	0.716913	0.0523917	1.37065
0.534042	0.0275518	0.647211	0.185599	0.665203	0.0408354	1.34839
0.535944	0.0321645	0.636295	0.179065	0.643273	0.0361491	1.32006
0.537269	0.0380972	0.622488	0.158603	0.617752	0.0344724	1.2898
0.541942	0.0354047	0.622061	0.153083	0.605531	0.0326515	1.25515
0.544956	0.0357864	0.615849	0.159019	0.59703	0.0367619	1.25327
0.553937	0.0246584	0.611876	0.159146	0.590977	0.0260758	1.19822
0.545372	0.0356501	0.619873	0.148018	0.592555	0.035672	1.18411
0.544355	0.0357503	0.624776	0.147673	0.583833	0.0331898	1.18067
0.560736	0.0349845	0.622067	0.150236	0.590767	0.0304155	1.15946
0.549312	0.0366083	0.618119	0.141224	0.57714	0.03187	1.14244
0.558819	0.0351244	0.611745	0.14296	0.575241	0.0331706	1.0795
0.574146	0.0316236	0.614227	0.14328	0.581716	0.0328236	1.08449
0.580255	0.0338467	0.612009	0.136268	0.571636	0.0325634	1.08347
0.572242	0.0336161	0.612689	0.141323	0.569969	0.0294356	1.03525
0.582454	0.0395294	0.607658	0.145244	0.567852	0.0279797	1.01083
0.578188	0.0377369	0.612127	0.137795	0.575147	0.029943	0.99381
0.5952	0.0361818	0.603396	0.140462	0.565799	0.0316103	0.976633
0.601039	0.0394392	0.608224	0.144292	0.557761	0.0287538	0.962553
0.594709	0.0404258	0.597816	0.138688	0.553078	0.0259733	0.92181
0.609546	0.0347107	0.595259	0.144106	0.551491	0.0246614	0.902105
0.613087	0.0374328	0.60153	0.133839	0.557257	0.0298573	0.883382
0.615333	0.0324741	0.601441	0.144678	0.560626	0.0262672	0.899177
0.620346	0.0405127	0.611387	0.153494	0.555628	0.0243012	0.882492
0.622352	0.0408533	0.620946	0.162644	0.560983	0.0252315	0.887771
0.628185	0.0437528	0.627961	0.172275	0.554395	0.0282828	0.867553
0.632571	0.0307099	0.63401	0.168599	0.563942	0.0249909	0.863166
0.645231	0.0401332	0.649326	0.176988	0.563831	0.022369	0.843882
0.645953	0.0386255	0.665706	0.19208	0.562176	0.0303506	0.84708
0.661167	0.0287804	0.693478	0.203198	0.578075	0.0305456	0.84762
0.663739	0.0340969	0.714067	0.2277	0.574686	0.0297061	0.854713
0.658416	0.0341712	0.74331	0.244872	0.59032	0.0277566	0.859415

0.670306	0.0361895	0.782631	0.271665	0.595018	0.0268647	0.874807
0.674703	0.0536382	0.833295	0.345211	0.607334	0.0246084	0.873661
0.70241	0.0475	0.886086	0.370503	0.622549	0.0279782	0.855433
0.709017	0.0359953	0.950302	0.448881	0.637742	0.0395489	0.866277
0.727361	0.0410253	1.01579	0.519454	0.658244	0.0252317	0.87378
0.737523	0.04234	1.08991	0.626478	0.68022	0.029073	0.868806
0.757445	0.0409128	1.15956	0.70768	0.690951	0.0309533	0.878285
0.78509	0.0448646	1.23475	0.762895	0.709761	0.0315073	0.905859
0.791242	0.0440612	1.31254	0.890275	0.73496	0.0322868	0.909234
0.823496	0.0372528	1.35839	0.910934	0.761322	0.0385169	0.908904
0.838171	0.0347606	1.42465	0.984	0.772592	0.0419272	0.904914
0.873773	0.0504667	1.45991	1.05471	0.782976	0.0385873	0.904824
0.898378	0.0516233	1.48819	1.06608	0.802038	0.0374528	0.92449
0.9108	0.0362479	1.51969	1.10649	0.801071	0.0399719	0.922648
0.922713	0.0385786	1.49514	1.10003	0.803609	0.0399919	0.945498
0.931869	0.0478539	1.47521	1.04079	0.803734	0.0356141	0.952078
0.940912	0.0421535	1.44248	1.01518	0.793625	0.0404826	0.954248
0.935832	0.0477847	1.38278	0.936056	0.788108	0.0312041	0.93508
0.943566	0.0378	1.32366	0.870647	0.781233	0.0341036	0.95352
0.913593	0.0441624	1.26123	0.770662	0.762721	0.0318899	0.94314
0.909733	0.0398984	1.19771	0.680871	0.732957	0.0309219	0.943078
0.8905	0.0394057	1.13699	0.619275	0.72995	0.0335263	0.931594
0.891554	0.046985	1.07128	0.536897	0.720252	0.0347131	0.933707
0.862648	0.0398647	1.0041	0.455542	0.701432	0.0303149	0.947441
0.8515	0.0427416	0.946665	0.377715	0.694321	0.0313268	0.939087
0.829702	0.0408523	0.906628	0.333928	0.677977	0.024378	0.939103
0.815555	0.0521006	0.879364	0.287337	0.678581	0.0314258	0.946684
0.808203	0.0413252	0.839181	0.258425	0.678326	0.0311266	0.958308
0.793894	0.0433545	0.8308	0.247787	0.679137	0.0326687	0.949013
0.776222	0.0411668	0.798891	0.214627	0.684063	0.0310545	0.967529
0.781374	0.0404124	0.799636	0.215137	0.698588	0.0346048	0.968512
0.761058	0.0446235	0.803527	0.203627	0.701736	0.0378198	0.988896
0.778096	0.0411386	0.799592	0.200081	0.713358	0.0342396	0.978078
0.781627	0.0482708	0.798061	0.207915	0.725642	0.0399213	0.98545
0.770627	0.0375871	0.806755	0.209662	0.742234	0.0389345	0.979516
0.765513	0.042357	0.805382	0.207811	0.75511	0.043488	0.982734
0.762918	0.0385652	0.821216	0.222329	0.769763	0.0516984	1.00535
0.779373	0.0404215	0.827639	0.21754	0.790872	0.0557267	0.979685
0.774678	0.032388	0.835826	0.231432	0.799021	0.0515314	1.01182
0.766351	0.0465723	0.836603	0.240888	0.812457	0.0576119	1.00007
0.78033	0.0351847	0.846587	0.244699	0.808818	0.0560944	1.02316
0.780188	0.0421092	0.848216	0.232051	0.812812	0.0490703	1.02922
0.791442	0.0535511	0.833401	0.224358	0.812772	0.0494173	1.01771
0.785988	0.0328184	0.840706	0.213107	0.810021	0.0473145	0.991536
0.78693	0.0429107	0.827206	0.21115	0.79448	0.0523918	1.00753
0.785935	0.0389105	0.817371	0.199197	0.780631	0.0554041	1.03086
0.793247	0.0388883	0.823865	0.197476	0.773339	0.043036	1.0057

0.787463	0.0359528	0.80075	0.1795	0.764456	0.0414102	1.01586
0.784345	0.0370571	0.78361	0.175781	0.739311	0.0459334	0.992877
0.783924	0.047076	0.770144	0.163657	0.729037	0.0391567	1.0136
0.790671	0.0467898	0.767791	0.1518	0.70632	0.0414793	1.01422
0.780129	0.0458087	0.754837	0.147433	0.694102	0.0345143	1.00695
0.785858	0.0442374	0.753482	0.150691	0.683775	0.0370791	1.01983
0.786615	0.0338482	0.737833	0.134942	0.680469	0.0358745	1.01596
0.78751	0.0358372	0.733353	0.138718	0.661868	0.0277433	1.03796
0.783053	0.0321582	0.736682	0.146371	0.655722	0.028933	1.03816
0.799136	0.0349048	0.729038	0.130742	0.652122	0.0270626	1.05905
0.785444	0.0363052	0.726037	0.135859	0.65133	0.0322531	1.06039
0.787049	0.0422475	0.727716	0.149767	0.651284	0.033729	1.0498
0.800235	0.0369471	0.721752	0.132694	0.638651	0.0381901	1.07382
0.781372	0.0387392	0.718816	0.133852	0.641949	0.0268132	1.07844
0.780209	0.0353501	0.736635	0.139074	0.643364	0.033422	1.08473
0.775177	0.0364375	0.721273	0.133605	0.646594	0.0312129	1.06746
0.785519	0.0388733	0.734822	0.135727	0.646846	0.0248489	1.08007
0.788284	0.0400767	0.733244	0.14196	0.657419	0.0241766	1.08251
0.790441	0.0421395	0.729937	0.131416	0.665597	0.0289356	1.07995
0.795409	0.0249923	0.72924	0.143942	0.670428	0.0380079	1.06423
0.788191	0.0381458	0.730188	0.135284	0.662525	0.0263524	1.11017
0.780685	0.0390506	0.735545	0.139352	0.672463	0.0341496	1.08045
0.788784	0.0357649	0.747538	0.142018	0.677414	0.0294717	1.07959
0.781709	0.0338451	0.736735	0.13873	0.684543	0.0304196	1.07958
0.783956	0.0382216	0.737468	0.136263	0.684644	0.0371923	1.08184
0.786749	0.0400844	0.738011	0.141859	0.679519	0.0356973	1.07946
0.789212	0.0456323	0.727222	0.145068	0.686901	0.0294899	1.05841
0.791909	0.0374232	0.734629	0.133522	0.688302	0.0251231	1.06094
0.792617	0.0435274	0.724483	0.134077	0.68462	0.0293682	1.03126
0.777178	0.0378316	0.733996	0.145872	0.693395	0.030544	1.06455
0.790279	0.0342244	0.72602	0.139908	0.683153	0.0294326	1.05593
0.775678	0.0384353	0.730918	0.129962	0.682149	0.0402482	1.02381
0.779416	0.044976	0.725434	0.137848	0.678047	0.0304814	1.02067
0.778754	0.0357754	0.726827	0.138415	0.685153	0.0262581	1.01268
0.78316	0.0332347	0.720961	0.138357	0.673093	0.0326689	1.0084
0.78055	0.0292006	0.716738	0.136979	0.674699	0.0296815	0.998405
0.778849	0.0452984	0.720183	0.134036	0.681583	0.0337241	0.98488
0.787727	0.0401288	0.714937	0.135709	0.676599	0.0311505	0.967675
0.77356	0.0366987	0.723766	0.137797	0.668297	0.0331291	0.961722
0.776739	0.0406859	0.722755	0.139067	0.664218	0.0251892	0.937761
0.777949	0.0417168	0.72116	0.143853	0.665139	0.0270228	0.960729
0.774702	0.0334462	0.716435	0.131352	0.667226	0.0275341	0.926402
0.789741	0.0340262	0.716087	0.132914	0.66951	0.0297782	0.928714
0.785639	0.0387791	0.718934	0.136615	0.665467	0.0286792	0.9465
0.778517	0.0460602	0.734607	0.134218	0.664581	0.0306002	0.902974
0.808252	0.0466859	0.733092	0.134761	0.667679	0.0344616	0.922519
0.800784	0.0478725	0.744234	0.139767	0.673655	0.0302672	0.919786



0.783904	0.0436964	0.744573	0.13331	0.668861	0.0344112	0.920665
0.794798	0.0393305	0.762462	0.148223	0.671129	0.0308896	0.912276
0.809032	0.0449165	0.768666	0.142526	0.676727	0.0357525	0.91997
0.802052	0.0517099	0.765552	0.14826	0.687021	0.0323587	0.908766
0.811904	0.042012	0.77912	0.153408	0.685227	0.033981	0.900545
0.812943	0.0401844	0.786392	0.158904	0.689741	0.0310421	0.925554
0.812696	0.0410657	0.812968	0.176506	0.692693	0.0365423	0.913016
0.833888	0.0494377	0.816414	0.169249	0.69685	0.0327009	0.900185
0.836063	0.0459244	0.829411	0.173577	0.698374	0.0330119	0.930157
0.835401	0.0384831	0.84544	0.192835	0.709967	0.0331612	0.919799
0.838328	0.0404735	0.849123	0.202233	0.714872	0.0381504	0.94526
0.847189	0.0421177	0.860443	0.198454	0.707797	0.0321952	0.939599
0.851799	0.0486422	0.859141	0.198244	0.723566	0.0316049	0.94033
0.857238	0.0393893	0.870909	0.200732	0.712538	0.0369196	0.940332
0.852991	0.0350676	0.859401	0.194125	0.717841	0.0315881	0.974042
0.850693	0.047416	0.868214	0.193462	0.723109	0.0333529	0.971233
0.865483	0.044718	0.862064	0.193508	0.719374	0.0363329	0.993341
0.858223	0.0389013	0.857401	0.195509	0.719015	0.0312001	1.01303
0.8593	0.0420967	0.85567	0.189649	0.72424	0.0315715	1.01052
0.853605	0.0439302	0.855202	0.181887	0.719965	0.037232	1.02556
0.867295	0.038949	0.838969	0.179369	0.72095	0.0298625	1.04035
0.865055	0.0396619	0.835841	0.176211	0.720726	0.0307792	1.04187
0.861049	0.0372425	0.82541	0.171192	0.719136	0.0295647	1.06414
0.867804	0.0433166	0.824565	0.164357	0.708515	0.0247041	1.06025
0.862898	0.0494286	0.825186	0.164061	0.718436	0.0340018	1.09754
0.854558	0.0502689	0.814585	0.168955	0.719436	0.0318268	1.09491
0.855722	0.0438907	0.814766	0.16256	0.71852	0.0319587	1.11349
0.839339	0.042	0.813967	0.17065	0.711138	0.0280039	1.09689
0.856157	0.0472226	0.803786	0.170208	0.71356	0.0307398	1.09555
0.855652	0.0457681	0.799957	0.158512	0.721985	0.0301524	1.10131
0.849431	0.0429653	0.797979	0.167115	0.709227	0.0328855	1.09032
0.850104	0.0419436	0.80069	0.172258	0.711845	0.0351863	1.08696
0.842301	0.0420128	0.809326	0.164399	0.712872	0.0280671	1.08142
0.846107	0.0490515	0.805045	0.177064	0.711479	0.034403	1.0571
0.84826	0.0352851	0.804127	0.173578	0.707507	0.0354975	1.06748
0.852145	0.0398839	0.80737	0.179742	0.711788	0.037729	1.04161
0.854201	0.0492003	0.810845	0.181879	0.707018	0.0366716	1.04078
0.844532	0.044169	0.798011	0.190227	0.708905	0.0335539	1.03523
0.853946	0.0476224	0.808596	0.182214	0.708832	0.0334923	1.01794
0.849007	0.0331306	0.806971	0.182536	0.706142	0.032453	1.03191
0.849937	0.0399491	0.815294	0.199147	0.708845	0.0295526	1.04153
0.867199	0.0457264	0.812051	0.177266	0.712765	0.036666	1.03573
0.853516	0.0452766	0.817246	0.181388	0.707966	0.0288637	1.02032
0.845464	0.0363502	0.822739	0.181395	0.711305	0.0399992	1.01425
0.853684	0.0398429	0.822118	0.183483	0.713941	0.0253115	1.01145
0.84905	0.0426153	0.817531	0.187884	0.712935	0.0292912	1.01758
0.846502	0.0362238	0.836421	0.197195	0.717167	0.0290296	1.00617

0.86067	0.0529792	0.850197	0.198335	0.711094	0.0292947	1.02059
0.853421	0.0345412	0.842858	0.189097	0.720112	0.0278273	1.03144
0.847347	0.0358793	0.850495	0.193995	0.714288	0.0301379	1.03174
0.858604	0.0415698	0.865867	0.196985	0.717287	0.0292258	1.04993
0.872815	0.0411475	0.861771	0.197953	0.715115	0.0298177	1.07736
0.853107	0.0423984	0.887231	0.216329	0.718846	0.0311929	1.06634
0.847318	0.0404679	0.896749	0.226218	0.72494	0.0323231	1.06317
0.858323	0.0458025	0.905682	0.21551	0.731492	0.0347523	1.10891
0.876023	0.0543616	0.915942	0.218414	0.736248	0.0272548	1.11087
0.868542	0.0553168	0.937282	0.225291	0.724204	0.0249918	1.1318
0.870829	0.0405221	0.945953	0.229482	0.735137	0.0380082	1.13074
0.857045	0.0462058	0.966898	0.243463	0.734246	0.0341112	1.16036
0.868709	0.0441931	0.978242	0.25603	0.736558	0.034251	1.17078
0.871892	0.0408822	0.9873	0.260289	0.738809	0.0190936	1.19256
0.866368	0.0429572	0.994345	0.254019	0.745249	0.0345834	1.2179
0.869632	0.0444799	1.00204	0.26438	0.745194	0.0345801	1.2108
0.865805	0.049376	1.01337	0.265655	0.739708	0.0424445	1.22091
0.853362	0.042648	1.00433	0.254088	0.737445	0.0308986	1.21865
0.871804	0.0440495	1.01106	0.250686	0.747547	0.0225416	1.2348
0.863925	0.0504499	0.993926	0.255201	0.743327	0.0300627	1.19801
0.865308	0.039761	0.98799	0.238547	0.743371	0.0358559	1.19837
0.871377	0.042618	0.97499	0.233326	0.735841	0.0333795	1.18177
0.849912	0.044299	0.972421	0.230024	0.735224	0.0282823	1.18666
0.858324	0.0338172	0.957722	0.211239	0.731105	0.0323611	1.17115
0.855068	0.0335291	0.936677	0.194408	0.730836	0.0302855	1.157
0.864126	0.046805	0.925353	0.195784	0.730002	0.029562	1.14864
0.861802	0.0479044	0.925449	0.199726	0.728141	0.0279473	1.12701
0.86135	0.0392057	0.902058	0.180381	0.721787	0.0301479	1.10358
0.858117	0.0383222	0.893303	0.172566	0.715113	0.0259164	1.09992
0.853455	0.0517437	0.873234	0.160783	0.722565	0.0328643	1.08121
0.856188	0.0446416	0.871742	0.154547	0.721182	0.0230258	1.07556
0.85703	0.0426268	0.867935	0.149191	0.715955	0.0350557	1.08293
0.858527	0.0408017	0.845389	0.144241	0.71836	0.0286316	1.0713
0.853067	0.0357398	0.836105	0.142745	0.716552	0.0326043	1.05952
0.854128	0.0495628	0.847955	0.146992	0.718927	0.0367505	1.04883
0.843801	0.043209	0.843494	0.149915	0.716731	0.0247875	1.06748
0.853948	0.0464292	0.847339	0.144127	0.717515	0.0251399	1.04175
0.843348	0.0419318	0.85587	0.14471	0.715825	0.0255594	1.06879
0.844394	0.0415323	0.848781	0.143998	0.711451	0.0302084	1.06407
0.845652	0.0423525	0.846289	0.132769	0.71878	0.0277688	1.06303
0.850051	0.0486715	0.838213	0.14058	0.704012	0.0244001	1.05056
0.843894	0.0417067	0.859614	0.144989	0.718114	0.0286931	1.07249
0.844557	0.0447975	0.859545	0.149222	0.724545	0.0323089	1.06292
0.842529	0.0496598	0.862369	0.148033	0.721147	0.0333808	1.05903
0.838313	0.0419638	0.866186	0.151309	0.724589	0.0316205	1.0814
0.848315	0.0417945	0.883919	0.145	0.725428	0.0279311	1.0648
0.838973	0.046321	0.889876	0.154418	0.729172	0.0362368	1.08351

0.838761	0.0405873	0.89991	0.155976	0.738971	0.0308812	1.0906
0.83377	0.0407967	0.91542	0.164386	0.742791	0.0252031	1.0835
0.831158	0.0371386	0.935867	0.174193	0.748592	0.0331054	1.10682
0.843229	0.0345951	0.959217	0.179748	0.75713	0.027638	1.11421
0.834201	0.0473336	0.981274	0.197279	0.765058	0.0337724	1.10463
0.843699	0.0420765	1.00608	0.209141	0.790836	0.0323537	1.10225
0.840037	0.0391193	1.02648	0.217736	0.79595	0.0325747	1.10271
0.842435	0.0368118	1.06302	0.24548	0.810704	0.0325652	1.1451
0.850208	0.0395694	1.06999	0.270025	0.816246	0.0348637	1.107
0.85989	0.0454629	1.11878	0.279595	0.838417	0.0358857	1.14765
0.861339	0.0386847	1.13113	0.294805	0.859083	0.0416097	1.10211
0.865213	0.0440706	1.16502	0.314963	0.861833	0.0356785	1.13297
0.853685	0.0369935	1.18712	0.339725	0.891038	0.0338984	1.12717
0.881142	0.0492657	1.22379	0.351476	0.893713	0.0347871	1.11716
0.879144	0.0625007	1.20984	0.348049	0.907592	0.0361419	1.12244
0.885408	0.0420382	1.23555	0.354271	0.922391	0.046723	1.13889
0.880438	0.0462595	1.24759	0.38675	0.918394	0.0405443	1.1418
0.891436	0.0437047	1.2275	0.374737	0.929285	0.0468162	1.11709
0.903551	0.0396681	1.23754	0.356521	0.927541	0.0408065	1.12984
0.893358	0.048967	1.21751	0.334865	0.909183	0.0382191	1.12159
0.886757	0.0368487	1.18083	0.326958	0.894833	0.0414884	1.104
0.892582	0.0481696	1.16741	0.318987	0.893038	0.0413067	1.10184
0.891804	0.0444942	1.13209	0.306025	0.878782	0.0415412	1.10011
0.888349	0.0309159	1.08531	0.277784	0.856344	0.0390053	1.10708
0.894446	0.0410535	1.07011	0.242609	0.843562	0.0436084	1.09961
0.878732	0.0393413	1.03335	0.232806	0.826638	0.0363842	1.08177
0.882313	0.0483119	1.00258	0.208957	0.813702	0.0377381	1.09531
0.866698	0.0351767	0.96922	0.194402	0.796864	0.0320749	1.07391
0.869799	0.0465492	0.935213	0.166963	0.777263	0.0354037	1.07253
0.867358	0.0395226	0.922149	0.165633	0.768272	0.0317831	1.08449
0.859306	0.0373821	0.903451	0.144654	0.748851	0.0268741	1.04784
0.842867	0.0369896	0.883075	0.157079	0.746277	0.025915	1.05393
0.856837	0.0509439	0.863838	0.132681	0.732846	0.0304691	1.04825
0.837738	0.0371347	0.856003	0.140007	0.726635	0.0241683	1.06416
0.83811	0.0351286	0.848535	0.130808	0.719701	0.0253746	1.07086
0.838832	0.0374277	0.828674	0.125532	0.71485	0.0327013	1.04174
0.848751	0.0459633	0.819649	0.123414	0.714985	0.029095	1.0591
0.846058	0.0388449	0.824297	0.136975	0.701643	0.0202541	1.06166
0.844326	0.0351475	0.813111	0.122175	0.702861	0.0309218	1.06323
0.839198	0.0451275	0.817037	0.116201	0.698122	0.0304617	1.07278
0.839707	0.0402739	0.798763	0.118049	0.696139	0.0281016	1.06721
0.840237	0.0499812	0.790818	0.110693	0.701742	0.0266436	1.08643
0.851748	0.0436735	0.794178	0.119421	0.70629	0.0251203	1.06473
0.849307	0.039688	0.797483	0.110429	0.702506	0.028947	1.07778
0.845985	0.0446901	0.786389	0.124538	0.704491	0.0210866	1.10001
0.849418	0.0425667	0.787815	0.106729	0.705542	0.0324214	1.09557
0.846145	0.0390052	0.782223	0.113574	0.699081	0.0218965	1.08669

0.848405	0.0486996	0.791952	0.113482	0.702396	0.0281725	1.11935
0.847176	0.0405875	0.778199	0.0996043	0.703765	0.0289203	1.10632
0.843671	0.0335678	0.776456	0.115113	0.702822	0.0302031	1.1155
0.847196	0.0346854	0.774346	0.105477	0.700633	0.0329531	1.11526
0.847905	0.0429883	0.777764	0.0961469	0.700899	0.0254439	1.1319
0.846509	0.036298	0.77053	0.101629	0.705892	0.0341651	1.14594
0.858672	0.0421144	0.76479	0.0937145	0.694743	0.026982	1.14453
0.857593	0.0378118	0.771483	0.100086	0.70085	0.0216479	1.1443
0.853528	0.033279	0.774001	0.0979894	0.696218	0.0311815	1.1416
0.869	0.0469867	0.760395	0.0972726	0.702476	0.030837	1.13957
0.860515	0.0455446	0.774867	0.0964683	0.700712	0.0304849	1.13758
0.85465	0.0447772	0.767705	0.0922729	0.694378	0.029144	1.14056
0.860897	0.0417809	0.757497	0.0983181	0.700386	0.0314289	1.15091
0.855308	0.0460532	0.75302	0.0959541	0.690117	0.0238111	1.14328
0.86099	0.0476998	0.758861	0.0753228	0.696919	0.030694	1.14385
0.862828	0.0399831	0.765624	0.0813003	0.693261	0.032249	1.15457
0.873284	0.048336	0.768717	0.102223	0.701802	0.0335086	1.1537
0.864503	0.0461755	0.761568	0.0875149	0.696155	0.0311945	1.15699
0.866981	0.0332354	0.759973	0.0858791	0.69073	0.0369788	1.15963
0.8529	0.0410277	0.757045	0.0809012	0.695479	0.0304133	1.14709
0.870564	0.0374355	0.756142	0.0913569	0.698649	0.033883	1.11514
0.856012	0.0463113	0.750202	0.0797283	0.694988	0.026924	1.12214
0.867813	0.0355794	0.758161	0.0985121	0.695845	0.0262428	1.12835
0.874754	0.0388627	0.758526	0.09003	0.697511	0.0248502	1.10186
0.861233	0.039427	0.771722	0.0940057	0.692267	0.0246872	1.10476
0.854731	0.046543	0.74656	0.0889708	0.692319	0.0272955	1.06819
0.85619	0.045326	0.757397	0.0890688	0.70102	0.0240955	1.07193
0.867438	0.0408561	0.756824	0.0802817	0.696353	0.0285281	1.07148
0.864015	0.0438959	0.762742	0.0807595	0.697337	0.0315426	1.06125
0.849034	0.0427056	0.765809	0.0950346	0.687316	0.0253184	1.03774
0.86661	0.0383892	0.756739	0.0873904	0.695534	0.0320336	1.04277
0.859966	0.0380701	0.751974	0.0817807	0.699814	0.0288414	1.03306
0.865129	0.0434513	0.760163	0.0923333	0.698703	0.0286132	1.0367
0.862237	0.0432781	0.754556	0.0878169	0.68638	0.026779	1.02273
0.844717	0.0438368	0.756307	0.0833338	0.693927	0.0244874	1.02491
0.842625	0.0456076	0.748639	0.0886789	0.693029	0.0336311	1.01309
0.857397	0.0460697	0.749095	0.0794184	0.693304	0.0284076	1.00885
0.851467	0.0365942	0.760805	0.0824528	0.702695	0.0317771	1.03458
0.863979	0.0406875	0.765323	0.090687	0.700902	0.0308868	1.0037
0.851104	0.0410449	0.754201	0.0844634	0.69778	0.0265069	0.985522
0.838598	0.0380401	0.75886	0.0912683	0.702056	0.0311756	0.999847
0.854898	0.0439535	0.775262	0.0888096	0.693208	0.0263698	1.00357
0.838285	0.0403687	0.76248	0.0898088	0.697536	0.0263979	1.01301
0.841855	0.0450822	0.759262	0.0860805	0.698726	0.0361966	1.01291
0.84438	0.0369434	0.759837	0.0848015	0.694243	0.0311507	1.00419
0.849254	0.0342205	0.752601	0.0831129	0.694155	0.0261458	1.02123
0.848752	0.0458902	0.759122	0.082373	0.696458	0.0201736	0.999229

0.850698	0.039333	0.755372	0.0833492	0.699124	0.0310885	0.98843
0.840479	0.0396731	0.758216	0.0689831	0.695741	0.0284452	1.00086
0.843469	0.0359548	0.748287	0.0779699	0.688628	0.0256525	1.00632
0.846546	0.039098	0.744384	0.077764	0.686768	0.0340516	0.992557
0.831275	0.0428439	0.766669	0.0889948	0.691812	0.0237556	0.987002
0.833879	0.0401753	0.752488	0.0836813	0.695532	0.0253376	1.00611
0.842216	0.048601	0.751991	0.0824023	0.702011	0.0270836	0.97565
0.834308	0.0489264	0.747929	0.0743534	0.690045	0.0271741	0.982012
0.848004	0.0345427	0.755709	0.0894492	0.692579	0.0257379	0.993897
0.832748	0.0374267	0.756003	0.0817325	0.689247	0.0250636	0.985412
0.834295	0.0359662	0.757052	0.0814349	0.691871	0.0311492	0.987554
0.8285	0.0434347	0.750756	0.090324	0.688852	0.033251	0.976179
0.83892	0.0444121	0.757372	0.0854812	0.694673	0.024009	0.982074
0.834213	0.0368092	0.755834	0.0838391	0.688665	0.0217652	0.982044
0.848231	0.0481967	0.744028	0.078823	0.687473	0.025644	0.982391
0.840758	0.0333417	0.748038	0.0762145	0.683085	0.0269587	0.989911
0.836375	0.0401974	0.740602	0.0796954	0.684688	0.0264757	0.962672
0.837	0.0491307	0.740433	0.0670427	0.683765	0.0249843	0.988446
0.831435	0.0455257	0.752252	0.0733748	0.695193	0.0250323	0.989052
0.823336	0.0392367	0.757627	0.0880767	0.684336	0.0289141	0.966383
0.844217	0.0428871	0.754056	0.0850616	0.687841	0.0299674	0.988633
0.834626	0.0339781	0.749482	0.0825474	0.692437	0.0263481	0.98133
0.820977	0.0456489	0.751893	0.0842839	0.686756	0.0236223	0.9893
0.832424	0.0494099	0.747514	0.0821669	0.683664	0.0326996	0.991356
0.835103	0.0405389	0.745301	0.0790531	0.686959	0.0278028	0.988734
0.841842	0.0490687	0.751951	0.0716439	0.682268	0.0278231	0.979042
0.834478	0.0321205	0.755104	0.0800713	0.682919	0.0271465	1.00373
0.831536	0.0409308	0.743936	0.0860862	0.68318	0.0204316	1.01535
0.829607	0.0469951	0.753107	0.0835957	0.690232	0.0305405	0.987903
0.839029	0.0457984	0.738081	0.0796088	0.684955	0.0170511	0.995297
0.833083	0.0386086	0.752501	0.0801323	0.681625	0.0316106	0.990568
0.828297	0.0341597	0.746173	0.085734	0.679854	0.0230431	0.998897
0.833078	0.0361229	0.743515	0.0868761	0.68362	0.0308558	1.02251
0.8285	0.0342609	0.753235	0.0766919	0.684403	0.0231436	1.01524
0.842399	0.0380671	0.754956	0.0798846	0.680625	0.0222828	1.02048
0.839311	0.0342687	0.758077	0.0858088	0.68766	0.0231338	1.03945
0.843657	0.0384446	0.749745	0.0838562	0.679469	0.0285783	1.04168
0.833385	0.0336941	0.755127	0.0810219	0.678194	0.0273453	1.03671
0.82016	0.0308444	0.752118	0.0810168	0.682189	0.0219686	1.02313
0.841726	0.046134	0.751212	0.0766755	0.68437	0.0269283	1.04384
0.842455	0.0413516	0.761375	0.0831553	0.683583	0.025813	1.05906
0.827631	0.0335236	0.755184	0.0828283	0.684124	0.0222621	1.05177
0.824714	0.0391878	0.759304	0.08703	0.681248	0.0287762	1.04885
0.830326	0.0373922	0.749479	0.0894545	0.68555	0.0259845	1.05046
0.828435	0.0404531	0.750219	0.0838986	0.679222	0.0234373	1.06252
0.82206	0.0451394	0.753951	0.0940546	0.686463	0.0274068	1.05948
0.825563	0.0407062	0.749282	0.0776435	0.679307	0.0233716	1.06082

0.825658	0.0386597	0.748458	0.0810592	0.675879	0.0299834	1.06929
0.824935	0.0356302	0.758154	0.0848329	0.672244	0.0274505	1.04552
0.817907	0.0395812	0.754149	0.0853794	0.683287	0.0341036	1.05346
0.805257	0.0335708	0.754	0.0823324	0.676053	0.0322457	1.04534
0.816671	0.0295689	0.74712	0.0847006	0.675015	0.0282661	1.03937
0.815968	0.042772	0.751255	0.0881886	0.678801	0.0331338	1.02066
0.809455	0.0346701	0.75294	0.0758733	0.667439	0.0240804	1.02289
0.812395	0.037794	0.751902	0.0829328	0.673907	0.0246692	1.02093
0.809081	0.039483	0.746908	0.0830064	0.66796	0.0324558	1.00563
0.816266	0.0410126	0.751915	0.0885602	0.671241	0.0232935	1.01967
0.806826	0.0447412	0.75722	0.0938217	0.664238	0.0263118	0.997414
0.80421	0.0419473	0.750246	0.0890714	0.672513	0.0257943	0.990956
0.802999	0.0340117	0.745323	0.0870138	0.673945	0.0245345	0.989588
0.796246	0.0412301	0.746282	0.0814619	0.670986	0.0240971	0.9851
0.80549	0.0365467	0.744798	0.0823383	0.667133	0.0215928	0.977756
0.803771	0.0461712	0.748338	0.0841383	0.669752	0.0245446	0.961601
0.800426	0.0332329	0.741782	0.0812553	0.663595	0.0212996	0.968869
0.797057	0.0308849	0.75237	0.0857508	0.658196	0.0221678	0.974919
0.79206	0.0370994	0.740037	0.0845546	0.664438	0.0275852	0.945913
0.785618	0.0376571	0.734139	0.0800211	0.662822	0.0273123	0.945732
0.785065	0.0338744	0.734217	0.0810967	0.656889	0.0245335	0.955708
0.795263	0.0414314	0.744698	0.0841562	0.657953	0.0224908	0.93932
0.793077	0.0377466	0.730524	0.0753256	0.649966	0.0274046	0.958892
0.794192	0.0421001	0.736745	0.0778362	0.656601	0.0269177	0.95587
0.783169	0.028723	0.739094	0.0904415	0.65244	0.0261344	0.928793
0.78685	0.0301117	0.731237	0.0805684	0.654708	0.0289357	0.949125
0.778919	0.045914	0.735003	0.0897039	0.653351	0.0260107	0.959145
0.787884	0.030787	0.737207	0.0857049	0.644545	0.0261581	0.953538
0.773412	0.0426539	0.738429	0.077185	0.646603	0.0209794	0.941718
0.785745	0.0506185	0.730174	0.0805476	0.647903	0.0234109	0.943891
0.781002	0.0505028	0.724081	0.0788281	0.651014	0.0239913	0.956998
0.757036	0.0415234	0.723354	0.0780007	0.648255	0.0227642	0.983028
0.773511	0.0469891	0.730283	0.0797259	0.640983	0.0328041	0.948502
0.770256	0.032475	0.719206	0.0681826	0.647186	0.0210487	0.967639
0.767002	0.0327726	0.729588	0.0796526	0.647385	0.028097	0.980438
0.768627	0.0425142	0.724627	0.0813631	0.642634	0.0196635	0.989709
0.764625	0.0396065	0.728265	0.0694427	0.646017	0.0261809	0.99585
0.762762	0.0376237	0.727828	0.08045	0.646924	0.0174005	1.01001
0.763434	0.0479703	0.734785	0.0753034	0.639929	0.0239284	1.02196
0.766899	0.0389631	0.729746	0.075493	0.638999	0.0289283	1.03191
0.753749	0.0400127	0.734033	0.0800045	0.634123	0.0276001	1.03928
0.751424	0.0437233	0.719298	0.076855	0.638564	0.0240001	1.07124
0.759219	0.0417551	0.724189	0.0747195	0.639499	0.0316636	1.06819
0.754418	0.0328176	0.727065	0.0757341	0.638032	0.0188277	1.09198
0.758648	0.0366057	0.724075	0.0673161	0.634491	0.0193622	1.10951
0.747859	0.03344	0.737494	0.0801671	0.634876	0.0223892	1.12602
0.743691	0.0358288	0.727693	0.0745392	0.636828	0.0259215	1.12639

0.747686	0.0348459	0.723219	0.0684382	0.64218	0.0256609	1.14928
0.750112	0.0327794	0.715126	0.0739055	0.638747	0.0216749	1.13131
0.744809	0.0394794	0.72433	0.0691531	0.629723	0.0176872	1.14087
0.746438	0.0346799	0.718809	0.071447	0.629433	0.0242888	1.16072
0.732498	0.0431975	0.717122	0.0733727	0.628465	0.0229791	1.16258
0.736583	0.0394093	0.722596	0.0754474	0.630136	0.017723	1.16346
0.734938	0.0380376	0.714446	0.067822	0.630273	0.0198326	1.14189
0.733256	0.0360894	0.711265	0.065246	0.624361	0.0242521	1.14423
0.733258	0.0379431	0.714533	0.0669621	0.62682	0.0226309	1.14109
0.730751	0.0328783	0.701786	0.0703251	0.625511	0.0253043	1.11414
0.739689	0.0355194	0.709804	0.0660481	0.625334	0.0239826	1.1029
0.747122	0.0420051	0.709313	0.0755712	0.628296	0.0184486	1.10315
0.738511	0.0301019	0.704076	0.0708757	0.621802	0.0226274	1.10417
0.735766	0.0424107	0.699742	0.0687401	0.624912	0.0268837	1.06636
0.719198	0.0322756	0.705685	0.0714102	0.621073	0.0243621	1.08519
0.728386	0.0339125	0.709119	0.0720991	0.621815	0.0241458	1.08389
0.723433	0.037033	0.705671	0.0691752	0.622531	0.01532	1.0895
0.729049	0.0341901	0.712302	0.0763456	0.627519	0.0155805	1.08195
0.714672	0.0294171	0.709547	0.0722268	0.625239	0.0206732	1.08232
0.73132	0.0391078	0.722338	0.0664469	0.620262	0.0193316	1.08603
0.730561	0.0337336	0.719872	0.079288	0.627074	0.0285975	1.0939
0.721762	0.0359656	0.755779	0.0815532	0.631445	0.0243965	1.12916
0.710792	0.037101	0.755805	0.0958036	0.639595	0.0261488	1.13636
0.718703	0.0346457	0.761948	0.0948172	0.642864	0.0178237	1.17701
0.729363	0.0377169	0.781665	0.108151	0.658261	0.0248233	1.20445
0.710576	0.0406256	0.794135	0.099376	0.665879	0.026188	1.24548
0.724276	0.0346723	0.805401	0.123186	0.67681	0.0237303	1.33753
0.725914	0.0364443	0.831074	0.138421	0.676028	0.0270242	1.42618
0.726804	0.0311733	0.852404	0.136987	0.690814	0.0293292	1.52736
0.73818	0.0334408	0.868738	0.153976	0.687827	0.0255392	1.6628
0.735685	0.0449901	0.876392	0.150301	0.711304	0.0291339	1.85093
0.739028	0.0442798	0.905673	0.16318	0.714815	0.0288643	2.10893
0.750783	0.0415977	0.906236	0.163825	0.72281	0.0359531	2.36145
0.739918	0.0343087	0.925237	0.166909	0.733119	0.0309053	2.72176
0.743519	0.0387593	0.942438	0.189027	0.742868	0.0331614	3.2249
0.744245	0.0405671	0.939159	0.188828	0.751805	0.0350246	3.77616
0.745565	0.0296239	0.934928	0.175309	0.748469	0.0346737	4.35815
0.742393	0.0383868	0.947725	0.178176	0.752844	0.0293195	5.10259
0.750577	0.0340317	0.942869	0.184649	0.751573	0.0364931	6.00072
0.753851	0.0384571	0.932918	0.182092	0.751382	0.0270949	6.85881
0.738608	0.0320571	0.910807	0.174765	0.738866	0.0267356	7.97525
0.743537	0.0382348	0.902172	0.168839	0.744829	0.0317572	9.15766
0.734513	0.039927	0.903372	0.183615	0.739332	0.0295949	10.4108
0.737462	0.0331416	0.887023	0.162968	0.735849	0.0320166	11.69
0.732495	0.0369019	0.885289	0.1597	0.729349	0.0245465	12.934
0.732133	0.0382046	0.865427	0.16748	0.732734	0.0297742	14.293
0.712374	0.0290937	0.855914	0.183598	0.724037	0.0249492	15.4947

0.724592	0.0406875	0.849209	0.182693	0.721315	0.0246897	16.6514
0.713781	0.0276943	0.831647	0.185818	0.716888	0.0289356	17.6194
0.699677	0.0386789	0.826746	0.182289	0.718804	0.0329662	18.5174
0.703071	0.0356178	0.832983	0.194977	0.702991	0.0373228	19.2301
0.704591	0.0387725	0.809462	0.177388	0.69945	0.0327313	19.7861
0.690454	0.0260051	0.79719	0.188334	0.698019	0.0288447	19.9108
0.682903	0.0394224	0.790752	0.200675	0.702785	0.0319859	19.9456
0.688745	0.0310815	0.784081	0.176859	0.696859	0.0253275	19.6697
0.680676	0.0356054	0.772915	0.171676	0.675152	0.0285855	19.0416
0.67357	0.0396407	0.754436	0.16982	0.679877	0.0286356	18.4268
0.679237	0.0360753	0.744211	0.147853	0.669471	0.0298475	17.4087
0.667754	0.042197	0.733195	0.151784	0.653461	0.0300205	16.2454
0.665785	0.0337319	0.726888	0.131735	0.65221	0.022735	15.0644
0.663807	0.0331811	0.715625	0.134607	0.644678	0.0332739	13.7368
0.667833	0.0343418	0.70541	0.123093	0.637838	0.0303985	12.4629
0.670583	0.0285583	0.688001	0.105763	0.619389	0.0263769	11.0974
0.66528	0.0287997	0.68204	0.094568	0.62252	0.0239757	9.85888
0.650799	0.0415258	0.682779	0.0883349	0.610292	0.0240986	8.54868
0.664775	0.0356457	0.663897	0.076942	0.60255	0.0244727	7.42176
0.661938	0.0261695	0.664949	0.0751326	0.596611	0.0286461	6.40743
0.664496	0.0409443	0.661744	0.0723697	0.591498	0.0172249	5.41277
0.663474	0.0364521	0.652634	0.0636212	0.578307	0.0233367	4.60072
0.654036	0.0366044	0.643516	0.0609519	0.582717	0.018595	3.87436
0.654275	0.0357727	0.640515	0.0638706	0.569322	0.0255036	3.24846
0.64794	0.0331241	0.632877	0.0615648	0.582413	0.0231746	2.75451
0.648437	0.0330404	0.631078	0.0503339	0.568815	0.0223753	2.34713
0.64517	0.0295818	0.626496	0.0551879	0.560817	0.0179258	1.97609
0.639766	0.0319626	0.623867	0.0550159	0.559627	0.0180242	1.72792
0.644024	0.0388813	0.632668	0.0592187	0.55616	0.0222186	1.51612
0.648865	0.029835	0.615777	0.052055	0.556851	0.0217917	1.35475
0.639032	0.0378634	0.617149	0.0449052	0.54975	0.0238493	1.22993
0.642343	0.0358957	0.602195	0.0517908	0.550632	0.024473	1.1115
0.645051	0.0320855	0.610354	0.0589274	0.541489	0.0210899	1.06625
0.640542	0.0328498	0.596479	0.0509776	0.541647	0.0163035	0.978749
0.633393	0.0313291	0.605792	0.0573135	0.540513	0.019801	0.98021
0.62859	0.034828	0.596228	0.0548478	0.54343	0.0170563	0.958205
0.635022	0.0365342	0.596774	0.0490531	0.530204	0.0239378	0.936563
0.625513	0.034567	0.603644	0.0510916	0.535502	0.0214428	0.932248
0.633564	0.0424712	0.588308	0.0542987	0.535178	0.02105	0.909832
0.628083	0.038744	0.594361	0.0587719	0.53717	0.0197314	0.915826
0.624813	0.0324154	0.589111	0.0591209	0.52771	0.0208022	0.929077
0.619539	0.0343992	0.586629	0.0481403	0.533067	0.0274892	0.943794
0.606679	0.0299114	0.577892	0.0516572	0.535807	0.0162889	0.937044
0.614601	0.0374819	0.583531	0.0546829	0.527536	0.0264317	0.960615
0.625925	0.0317952	0.58375	0.0462009	0.535477	0.0263291	0.992792
0.622233	0.0292699	0.591554	0.0502923	0.542041	0.0203571	1.01302
0.621663	0.029896	0.582961	0.0529576	0.531841	0.0237867	1.07792



0.620508	0.039744	0.596248	0.0549721	0.543153	0.0193075	1.10778
0.614682	0.0334725	0.587777	0.0452224	0.539274	0.0197647	1.1901
0.609719	0.025528	0.593574	0.0509285	0.551105	0.018239	1.25518
0.613734	0.0296645	0.600772	0.0571594	0.56053	0.0239728	1.36526
0.59804	0.0348238	0.596632	0.0559654	0.560607	0.0220581	1.47078
0.618982	0.0294414	0.601026	0.0496656	0.569074	0.0225895	1.60108
0.602109	0.0292139	0.608787	0.0562048	0.579576	0.0254877	1.7815
0.607041	0.0342343	0.618276	0.0562014	0.58984	0.0250529	1.96471
0.60642	0.0335709	0.617727	0.0614559	0.605095	0.0218077	2.16063
0.606957	0.0298983	0.622461	0.0619909	0.609842	0.0200211	2.44111
0.613392	0.0307011	0.631775	0.0553196	0.620486	0.0262991	2.70057
0.60149	0.0306966	0.637709	0.0569245	0.625527	0.0228424	2.99544
0.603475	0.0393442	0.633364	0.0691568	0.638452	0.0192358	3.32111
0.611593	0.0296038	0.656142	0.0596698	0.645767	0.0227322	3.65218
0.61281	0.0297517	0.648407	0.0681567	0.659877	0.0332556	4.02041
0.614398	0.0310258	0.655743	0.0745524	0.656985	0.0238707	4.39351
0.593953	0.0301143	0.660074	0.0790826	0.665453	0.0271433	4.70981
0.609395	0.0327554	0.661361	0.0818789	0.671237	0.0274619	5.06449
0.608117	0.0324191	0.663163	0.0793838	0.672053	0.025753	5.4101
0.61434	0.0283861	0.652426	0.0834511	0.677183	0.0261565	5.67749
0.605251	0.039904	0.661119	0.0777708	0.674386	0.0232831	5.92372
0.609052	0.0264609	0.65875	0.0799503	0.664594	0.02232	6.12288
0.609565	0.0261956	0.648183	0.0789853	0.659947	0.0222867	6.26816
0.59914	0.0351034	0.642011	0.078528	0.656922	0.0259684	6.32932
0.600031	0.0340094	0.647753	0.0807222	0.647124	0.0241592	6.35545
0.597082	0.0289319	0.632436	0.0897514	0.634078	0.0213865	6.31338
0.59975	0.0371901	0.619723	0.0753907	0.621902	0.0301133	6.14225
0.59224	0.0309263	0.61659	0.0792393	0.609553	0.0219439	5.9413
0.597002	0.0304517	0.604207	0.0713427	0.595348	0.022154	5.66514
0.608273	0.0305447	0.605137	0.0693262	0.596438	0.0214175	5.3918
0.60161	0.028748	0.603013	0.0629592	0.586642	0.021806	5.02486
0.588488	0.0331903	0.586905	0.0708599	0.572361	0.0228293	4.69165
0.597193	0.0282843	0.583625	0.0645817	0.551619	0.0230587	4.2813
0.594522	0.0427784	0.568334	0.0524075	0.540237	0.0277448	3.91646
0.593506	0.0324615	0.566475	0.0568623	0.539734	0.0184303	3.51161
0.592461	0.0319687	0.566968	0.054817	0.527073	0.0252717	3.14936
0.58575	0.0314932	0.554559	0.046988	0.515377	0.0253253	2.82189
0.587034	0.0360401	0.555491	0.0501238	0.510168	0.0231998	2.52594
0.58191	0.0306646	0.555895	0.0488575	0.508161	0.017746	2.19163
0.5894	0.029097	0.540405	0.0482158	0.502149	0.0209656	1.9357
0.584979	0.0356675	0.546107	0.0410864	0.501401	0.0192098	1.69319
0.578005	0.0240229	0.54062	0.0464164	0.503664	0.0198472	1.49548
0.587613	0.0299813	0.535916	0.0420626	0.491831	0.0176484	1.33914
0.574736	0.0330834	0.534618	0.0389236	0.495323	0.0181018	1.19083
0.580404	0.0252783	0.534459	0.0445016	0.488674	0.0176775	1.08747
0.579819	0.0291071	0.529715	0.0501465	0.485496	0.0171217	0.976335
0.581624	0.0315587	0.537392	0.0442005	0.484122	0.0205107	0.873897

0.589563	0.0253373	0.529009	0.0453839	0.480207	0.0201236	0.824656
0.584381	0.0320799	0.52544	0.0435471	0.48043	0.0164074	0.799983
0.569007	0.0275484	0.533882	0.0485008	0.482525	0.020327	0.742294
0.573777	0.0308751	0.530613	0.044285	0.482783	0.015954	0.724025
0.569933	0.0381553	0.520676	0.0413471	0.484451	0.0205903	0.693485
0.571889	0.027839	0.526934	0.0401845	0.486831	0.0199457	0.683843
0.569986	0.0246392	0.527039	0.0382143	0.483226	0.0227057	0.685132
0.57006	0.0299981	0.531536	0.0483228	0.478115	0.0197927	0.669163
0.566935	0.0291506	0.524828	0.0368536	0.478388	0.0172519	0.680042
0.571812	0.0373532	0.531839	0.0424754	0.477432	0.0197527	0.664942
0.56695	0.0341429	0.52083	0.0401548	0.475035	0.0204272	0.688814
0.574429	0.037602	0.519195	0.0432336	0.480238	0.0156208	0.670131
0.568419	0.0308518	0.524907	0.0392914	0.479423	0.0221413	0.65997
0.565168	0.0362642	0.520634	0.0462192	0.477552	0.0160699	0.672836
0.572088	0.0308017	0.526279	0.0408813	0.480002	0.0212488	0.669566
0.572505	0.0247762	0.530804	0.0511775	0.476006	0.0212077	0.684012
0.575143	0.036004	0.525998	0.0370907	0.477457	0.0184031	0.675455
0.568843	0.0284158	0.526204	0.0363077	0.472365	0.0219761	0.69468
0.570164	0.0264156	0.515405	0.0392834	0.482979	0.0207571	0.704468
0.570641	0.0311307	0.526213	0.035758	0.478818	0.0189188	0.689886
0.567125	0.0322773	0.527389	0.0313657	0.485167	0.0178833	0.710064
0.579777	0.0284526	0.52375	0.0410753	0.4867	0.0206228	0.711096
0.584805	0.0296736	0.527475	0.0412664	0.489769	0.0212398	0.734439
0.593259	0.0269557	0.5244	0.047902	0.491853	0.0207333	0.742899
0.596197	0.0293207	0.545304	0.0440849	0.503384	0.0209922	0.748141
0.609112	0.0428777	0.541754	0.0407442	0.516451	0.0248607	0.772615
0.620558	0.0300785	0.546754	0.0468355	0.522708	0.0212328	0.78676
0.642015	0.0398168	0.563838	0.046337	0.544748	0.0242525	0.781597
0.667338	0.0307963	0.578769	0.0473522	0.562022	0.0264694	0.866774
0.689825	0.0375692	0.594012	0.0426692	0.591712	0.0376976	0.860003
0.754784	0.0469969	0.611478	0.0560389	0.620869	0.0302461	0.908624
0.794788	0.0574424	0.640988	0.05164	0.651031	0.0408739	0.967646
0.845547	0.0570102	0.662945	0.0637403	0.695636	0.0394708	0.998702
0.931309	0.0678012	0.678811	0.0625835	0.731793	0.0456525	1.05547
1.02711	0.0738474	0.712819	0.0683656	0.778227	0.0527896	1.10576
1.11775	0.0870677	0.742222	0.0826584	0.832758	0.0693591	1.15654
1.24148	0.0885916	0.773291	0.0873106	0.891669	0.077141	1.20823
1.37005	0.104781	0.815055	0.0955848	0.943429	0.0758064	1.25921
1.51808	0.118082	0.845891	0.0959571	1.00546	0.0907785	1.31178
1.69648	0.139804	0.876272	0.107538	1.06921	0.0971614	1.35878
1.87414	0.158274	0.917807	0.114419	1.12753	0.0962622	1.43269
2.03117	0.179235	0.948869	0.116559	1.18491	0.114925	1.43442
2.22872	0.196784	0.963829	0.130755	1.2321	0.128214	1.48362
2.42686	0.212458	0.982133	0.126764	1.28585	0.13516	1.50973
2.56792	0.242895	1.0074	0.12886	1.31245	0.136812	1.55548
2.76836	0.262607	1.01818	0.122852	1.3499	0.130513	1.51722
2.95114	0.283023	1.02751	0.139349	1.37036	0.1446	1.51346

3.08097	0.273188	1.02621	0.14042	1.39989	0.151167	1.48044
3.20692	0.285975	1.02436	0.135656	1.38908	0.138281	1.47822
3.33998	0.305627	1.01065	0.134749	1.36943	0.155568	1.45569
3.3747	0.31093	0.985875	0.132486	1.34267	0.135805	1.42903
3.44085	0.331503	0.956454	0.100633	1.31143	0.137208	1.37162
3.43042	0.31145	0.938573	0.120026	1.27714	0.138834	1.31633
3.36867	0.331777	0.913562	0.104015	1.22756	0.112724	1.26981
3.32149	0.322542	0.871157	0.0951285	1.16662	0.119221	1.18034
3.21567	0.294367	0.830437	0.0823338	1.10752	0.105897	1.13848
3.08892	0.266367	0.795401	0.0891119	1.04228	0.100368	1.09815
2.94177	0.269756	0.756469	0.0782539	0.985139	0.0922952	1.00533
2.78912	0.267491	0.725555	0.0764785	0.923947	0.0839511	0.955422
2.58594	0.226465	0.680757	0.0601226	0.856598	0.0616258	0.886144
2.39791	0.220079	0.656952	0.0575085	0.790916	0.0614877	0.837097
2.23152	0.199131	0.630683	0.0478254	0.742868	0.0518916	0.802682
2.01156	0.173751	0.607303	0.0416708	0.684806	0.0372444	0.750993
1.83504	0.160404	0.588788	0.0382569	0.641523	0.0341236	0.727158
1.6425	0.159776	0.557099	0.0443416	0.612161	0.0336355	0.701454
1.47125	0.115277	0.552194	0.0414544	0.573761	0.0276664	0.669257
1.30639	0.0863896	0.532319	0.0347525	0.541807	0.025394	0.640288
1.18545	0.0879692	0.513413	0.0364114	0.518881	0.0238533	0.628912
1.07001	0.0754804	0.496009	0.0329285	0.49459	0.0227296	0.617881
0.96032	0.0553705	0.50123	0.0298411	0.483987	0.0221971	0.608833
0.866156	0.0558392	0.490525	0.0276905	0.465255	0.0251402	0.592432
0.791763	0.0448238	0.487603	0.0422787	0.453376	0.0237981	0.588683
0.708699	0.036652	0.485144	0.0337481	0.443459	0.0194136	0.572375
0.665438	0.0376188	0.476792	0.0304425	0.438623	0.0191527	0.571554
0.629585	0.0417429	0.472174	0.0355851	0.431025	0.0178432	0.571727
0.596897	0.0328971	0.459925	0.0281929	0.429924	0.0182529	0.569337
0.573365	0.0277303	0.467407	0.0342654	0.427622	0.0178258	0.57234
0.537057	0.0353449	0.468777	0.0345064	0.422352	0.0148654	0.569101
0.525711	0.0301985	0.46577	0.0410903	0.419975	0.0151795	0.580774
0.509527	0.0298111	0.45796	0.0372953	0.41822	0.0157281	0.557806
0.506275	0.0291974	0.461558	0.0289495	0.414966	0.0199121	0.566791
0.496285	0.035569	0.456697	0.0318028	0.4168	0.0209632	0.569126
0.48673	0.026952	0.447552	0.0321349	0.412803	0.0176571	0.552421
0.491151	0.0220831	0.461108	0.029552	0.409258	0.0178475	0.567158
0.495678	0.0324598	0.452107	0.032946	0.406598	0.0178461	0.556756
0.480039	0.0227731	0.457895	0.0322302	0.404858	0.0141529	0.552035
0.477471	0.0241979	0.45114	0.0318616	0.404667	0.0171891	0.575312
0.478648	0.0287182	0.448096	0.0287022	0.404529	0.018679	0.551822
0.47481	0.0312918	0.441572	0.0312753	0.401741	0.0224681	0.54929
0.474828	0.0255929	0.446133	0.0227668	0.406682	0.0187688	0.556181
0.471292	0.026936	0.440352	0.0247691	0.407912	0.0125779	0.547841
0.461825	0.0343717	0.447146	0.0319876	0.406576	0.0196698	0.560443
0.466353	0.0267699	0.453629	0.0347057	0.409913	0.0203471	0.54141
0.460746	0.0286394	0.444677	0.0361365	0.40415	0.0184981	0.544383

0.464268	0.0283781	0.44573	0.0335984	0.402906	0.0135638	0.549983
0.467135	0.026792	0.443079	0.0292813	0.4	0.0131973	0.539933
0.457713	0.0275041	0.448479	0.0311479	0.406094	0.022215	0.534689
0.46725	0.0250168	0.445609	0.0277698	0.40164	0.0197579	0.530854
0.459912	0.0247551	0.454575	0.027824	0.40047	0.0160269	0.534535
0.449109	0.0261545	0.455173	0.0356867	0.407038	0.0206433	0.518729
0.459394	0.0288714	0.452974	0.0361686	0.398538	0.0143205	0.527501
0.461332	0.0276065	0.450527	0.0331936	0.402223	0.0198894	0.527125
0.454717	0.0230333	0.453409	0.0358462	0.399002	0.0191991	0.528463
0.460029	0.0298299	0.462468	0.0353554	0.403671	0.0209461	0.518777
0.455058	0.0258198	0.463156	0.0321281	0.410298	0.0157509	0.533135
0.455738	0.0324506	0.462059	0.029978	0.409772	0.0209279	0.528831
0.458927	0.024397	0.468595	0.0350907	0.415834	0.0199825	0.521193
0.46657	0.0273751	0.466147	0.0282314	0.415295	0.0238987	0.516082
0.460982	0.0245355	0.4618	0.036094	0.413495	0.015086	0.510819
0.45933	0.0300135	0.461151	0.0347651	0.420836	0.0170124	0.51446
0.457775	0.0274367	0.461147	0.0355579	0.416495	0.016722	0.532657
0.455296	0.0235804	0.460744	0.0322535	0.42427	0.0172214	0.508531
0.454438	0.0274683	0.462905	0.03063	0.426901	0.0165026	0.527196
0.454822	0.0306505	0.460953	0.0290026	0.426163	0.0176957	0.510385
0.447171	0.0223377	0.451233	0.0292941	0.428292	0.0200139	0.527835
0.450297	0.0230173	0.458857	0.0266351	0.42715	0.0226283	0.534738
0.447978	0.0234843	0.447216	0.0308956	0.43179	0.0155308	0.531475
0.44849	0.0191251	0.445017	0.0297537	0.436677	0.0180693	0.522591
0.439888	0.0284899	0.449031	0.0299489	0.431352	0.0179968	0.537332
0.444822	0.0291303	0.440165	0.0319653	0.430728	0.0239315	0.52641
0.444286	0.0232663	0.452021	0.0352505	0.441814	0.0186116	0.527584
0.448896	0.025368	0.45058	0.0320641	0.438549	0.0219439	0.535206
0.446733	0.0262391	0.433055	0.0245267	0.444919	0.0172201	0.535427
0.448952	0.0316397	0.43455	0.0259569	0.440354	0.0158394	0.524137
0.438856	0.0256272	0.438909	0.0271416	0.4431	0.0201687	0.530618
0.430536	0.0234954	0.430862	0.0316588	0.445726	0.0195846	0.526469
0.433829	0.0220303	0.44081	0.0301192	0.442375	0.0188333	0.538802
0.446647	0.0299802	0.429213	0.0298737	0.444257	0.0256246	0.532415
0.428597	0.0298484	0.433507	0.0322583	0.442887	0.0172371	0.524664
0.43277	0.0308257	0.434804	0.0343242	0.440547	0.0173015	0.532001
0.431558	0.0233478	0.420173	0.028211	0.442825	0.0208971	0.530249
0.429473	0.0268805	0.426084	0.0288286	0.435989	0.0211324	0.520471
0.430543	0.0262861	0.416297	0.0204009	0.431914	0.018096	0.526004
0.429612	0.0299126	0.414131	0.0353871	0.422874	0.0190701	0.50621
0.432457	0.0221065	0.415197	0.0322332	0.420474	0.0182175	0.534534
0.42918	0.0247558	0.417213	0.0252988	0.417662	0.0122951	0.526074
0.433287	0.0211033	0.41481	0.0205661	0.408779	0.0126309	0.517439
0.422265	0.0291305	0.411228	0.0279494	0.411051	0.0201222	0.503301
0.426941	0.0249578	0.403551	0.0332775	0.400942	0.0147351	0.49242
0.421887	0.0206214	0.406789	0.0263897	0.391774	0.0160697	0.509823
0.426264	0.0257914	0.398097	0.0282741	0.38851	0.0149234	0.484627

0.41676	0.0268354	0.39936	0.0294571	0.384151	0.0193837	0.498425
0.421209	0.020349	0.400008	0.0241821	0.384807	0.0148081	0.495916
0.417547	0.0273405	0.396981	0.0327569	0.379624	0.0187437	0.473071
0.421017	0.0258252	0.391072	0.0299095	0.368199	0.0184375	0.484358
0.416177	0.0242499	0.395391	0.0279784	0.370146	0.0178655	0.470872
0.411402	0.032982	0.388369	0.0191231	0.364004	0.0158059	0.469748
0.412767	0.0320025	0.386457	0.0302409	0.363875	0.0142398	0.482686
0.414777	0.0273483	0.390196	0.0221356	0.363519	0.020292	0.470264
0.411709	0.0206306	0.387957	0.0295484	0.360907	0.0182947	0.478936
0.415038	0.027779	0.389876	0.0279417	0.357785	0.0167071	0.474933
0.403879	0.0324922	0.384699	0.0298785	0.356204	0.0143909	0.483068
0.405351	0.0269945	0.383516	0.0260367	0.354213	0.0180597	0.455878
0.406875	0.0245078	0.373106	0.0217247	0.351504	0.0156729	0.459289
0.407713	0.021255	0.378723	0.0235752	0.34851	0.0192152	0.463278
0.400086	0.0241934	0.37175	0.0162644	0.353525	0.014827	0.459746
0.399691	0.0237797	0.375303	0.0246921	0.348863	0.0153023	0.4461
0.411241	0.0279025	0.374814	0.0283775	0.348893	0.0168292	0.463354
0.400062	0.0235072	0.370103	0.0262242	0.349793	0.0135764	0.445783
0.399545	0.0298336	0.366164	0.0231011	0.342725	0.0195254	0.448113
0.402075	0.0193604	0.364866	0.0296898	0.342594	0.0140024	0.451382
0.395129	0.0294175	0.363019	0.0209717	0.333897	0.0144009	0.454423
0.392696	0.023487	0.364666	0.0284044	0.336504	0.017038	0.445679
0.388081	0.0201332	0.360095	0.0247132	0.336044	0.0138537	0.438064
0.383301	0.0234168	0.364268	0.0260682	0.33645	0.0185271	0.455674
0.384514	0.0259593	0.360905	0.0246477	0.331843	0.0147678	0.455143
0.383478	0.0243364	0.353309	0.0300634	0.334024	0.0177825	0.450816
0.390956	0.0201808	0.359639	0.0214211	0.32672	0.0149284	0.44354
0.38649	0.028489	0.355569	0.019179	0.327954	0.0176358	0.440393
0.383669	0.0228458	0.354969	0.0188604	0.329143	0.0169686	0.425687
0.386343	0.024239	0.357817	0.0214076	0.324859	0.011571	0.428787
0.380068	0.0222764	0.348366	0.0232475	0.327199	0.0135231	0.429706
0.377566	0.0268287	0.357513	0.0218038	0.327696	0.0158422	0.437475
0.380191	0.0248201	0.350646	0.0254279	0.326269	0.013864	0.438539
0.378618	0.0205123	0.348517	0.0260842	0.323946	0.0170505	0.433899
0.381004	0.0180105	0.353033	0.0259264	0.324282	0.0129055	0.437607
0.378779	0.020012	0.354302	0.0266583	0.327375	0.0169762	0.443514
0.36375	0.0186736	0.350417	0.0201617	0.322353	0.0154777	0.422961
0.374134	0.0216623	0.347677	0.0182801	0.325434	0.018709	0.435805
0.370352	0.0260606	0.346413	0.0213956	0.323016	0.0161187	0.431045
0.371657	0.026431	0.353314	0.0258247	0.32384	0.0161862	0.43657
0.361418	0.023488	0.350003	0.0203981	0.324543	0.0165774	0.429246
0.36631	0.0250857	0.355366	0.0237927	0.328706	0.0156096	0.42496
0.368611	0.022338	0.359108	0.0233109	0.336022	0.0169089	0.441032
0.372983	0.0247618	0.353636	0.0262258	0.334969	0.016741	0.439477
0.373695	0.0203167	0.361711	0.023256	0.337345	0.0149603	0.432867
0.372565	0.0238763	0.364187	0.0292382	0.341803	0.015345	0.440617
0.367507	0.0252263	0.372445	0.0283031	0.347526	0.0186873	0.460382

0.373101	0.0273198	0.371106	0.0279312	0.350389	0.0186788	0.460806
0.372747	0.0227219	0.381592	0.028381	0.360717	0.0155083	0.470588
0.374305	0.0237585	0.396778	0.0320446	0.368679	0.0170051	0.47361
0.385034	0.028005	0.406476	0.0309305	0.377006	0.0158336	0.481107
0.382458	0.026142	0.405125	0.0329599	0.398271	0.0162245	0.50555
0.387572	0.022275	0.41799	0.0365811	0.407015	0.0170719	0.509076
0.390933	0.0248179	0.424168	0.04066	0.421487	0.0157775	0.513595
0.393666	0.0231348	0.445936	0.0431036	0.44217	0.0198121	0.544598
0.403038	0.0248605	0.457763	0.0484866	0.459342	0.0261641	0.557364
0.412109	0.0293871	0.468915	0.048262	0.472039	0.0189555	0.559018
0.422185	0.0243386	0.479725	0.0518964	0.492576	0.0189174	0.593498
0.438379	0.0236905	0.494206	0.0631042	0.517385	0.0223507	0.607107
0.44605	0.0311423	0.514799	0.0580688	0.532266	0.0151618	0.611955
0.457509	0.030931	0.526565	0.0629657	0.553971	0.0222865	0.635754
0.482695	0.0248145	0.540793	0.0758684	0.574643	0.0214618	0.6613
0.492618	0.0331723	0.554153	0.0665572	0.5917	0.0237729	0.672975
0.517868	0.0280956	0.563491	0.0778713	0.613373	0.0285312	0.701737
0.550447	0.0301159	0.576489	0.0681481	0.631762	0.0318014	0.703903
0.567068	0.0416313	0.588484	0.0701704	0.641743	0.0259183	0.706512
0.599097	0.0285495	0.589085	0.0683531	0.656873	0.0313818	0.724015
0.634362	0.0391401	0.588654	0.0671515	0.675727	0.0327963	0.723274
0.667313	0.0428992	0.586271	0.0760226	0.67239	0.026418	0.726437
0.691694	0.0380604	0.58316	0.0690281	0.684147	0.0319127	0.713357
0.739457	0.0502417	0.590378	0.0717178	0.689146	0.0360915	0.725761
0.758465	0.0459265	0.581359	0.077765	0.679632	0.0295235	0.698522
0.787311	0.0473008	0.573979	0.0608476	0.673907	0.0236784	0.727899
0.814967	0.0406562	0.565541	0.0702577	0.663436	0.0301339	0.702997
0.846948	0.0578279	0.548886	0.0577082	0.652603	0.0362848	0.707964
0.865456	0.0513862	0.537688	0.0533707	0.63547	0.0258986	0.671476
0.879251	0.0628924	0.522067	0.0471196	0.615043	0.0280215	0.654165
0.894939	0.0611724	0.500567	0.0460074	0.603712	0.0296525	0.624571
0.903477	0.0581665	0.494213	0.0412052	0.579377	0.0272789	0.620182
0.896992	0.0692615	0.473201	0.0422399	0.557557	0.0312242	0.594417
0.893701	0.0633693	0.457416	0.0314412	0.540994	0.0258737	0.569904
0.878145	0.0576213	0.443713	0.0365546	0.514235	0.0273159	0.555993
0.860963	0.0551546	0.425245	0.0299615	0.482806	0.0193363	0.531561
0.842802	0.0663398	0.409666	0.0355294	0.460869	0.0205565	0.505132
0.811444	0.0547667	0.399808	0.0295306	0.447807	0.0238067	0.492208
0.78513	0.0595718	0.382475	0.0234908	0.419298	0.020143	0.470888
0.750425	0.0570436	0.371953	0.0152138	0.399249	0.0172037	0.462291
0.713574	0.0514614	0.361065	0.0246954	0.391015	0.0215668	0.440067
0.683845	0.0378127	0.352008	0.0252994	0.371178	0.0187227	0.430989
0.634551	0.0507087	0.34189	0.0189318	0.353336	0.0228171	0.424402
0.601395	0.039391	0.34211	0.0303332	0.350046	0.0143282	0.41805
0.585071	0.0389024	0.334003	0.0195048	0.335526	0.0170213	0.402572
0.54545	0.0333785	0.32845	0.0251455	0.330156	0.0175537	0.407153
0.518376	0.0328267	0.321969	0.019798	0.315474	0.0154344	0.409577

0.495429	0.0273562	0.323996	0.0252299	0.316726	0.0168537	0.406828
0.470301	0.0297434	0.316517	0.023792	0.311022	0.0168535	0.387461
0.444803	0.0247156	0.315926	0.025141	0.309344	0.0210127	0.390184
0.433332	0.036724	0.316907	0.0195148	0.304958	0.0104925	0.388948
0.420973	0.0250667	0.310027	0.0230787	0.303111	0.0113705	0.383744
0.407953	0.034263	0.312031	0.0243748	0.302774	0.0129783	0.3908
0.406882	0.0233342	0.304384	0.0175278	0.295838	0.0147579	0.391398
0.399343	0.0295255	0.313116	0.0224096	0.297754	0.0159275	0.391301
0.390484	0.0243817	0.310749	0.0222453	0.296615	0.0182349	0.376526
0.379143	0.0262167	0.311588	0.02109	0.290512	0.0163451	0.382768
0.383608	0.0248558	0.300284	0.0205372	0.292673	0.0120241	0.375931
0.379453	0.0244322	0.303458	0.0238919	0.289224	0.0145434	0.367125
0.370782	0.0258836	0.298525	0.0225769	0.288329	0.0171424	0.370066
0.372391	0.026099	0.296751	0.0222386	0.282395	0.0142138	0.370324
0.364336	0.0270242	0.299338	0.0200882	0.282617	0.016611	0.366802
0.351734	0.024795	0.302361	0.0204555	0.283508	0.0173629	0.363711
0.352457	0.0249939	0.30109	0.0184389	0.285317	0.0177184	0.365954
0.353244	0.022364	0.296815	0.0206117	0.273842	0.0138342	0.37024
0.341526	0.0243206	0.292637	0.0173581	0.274783	0.013893	0.364688
0.341346	0.0234739	0.296769	0.0223972	0.277553	0.0155967	0.373243
0.344861	0.0213764	0.289373	0.0186873	0.276121	0.0155281	0.357431
0.329023	0.0245757	0.292838	0.018996	0.267467	0.0131609	0.368785
0.327122	0.0235436	0.293197	0.0224255	0.265498	0.0135769	0.359529
0.313202	0.0197215	0.29208	0.0194603	0.265898	0.0141002	0.358981
0.317661	0.0191942	0.29044	0.0166819	0.268474	0.0141549	0.344414
0.312922	0.0261367	0.288178	0.0188223	0.268206	0.0165416	0.355978
0.306693	0.0220535	0.290739	0.0184721	0.26431	0.0148252	0.357948
0.306369	0.0243737	0.283141	0.0232214	0.263489	0.0110044	0.353782
0.304682	0.0215716	0.28579	0.0194251	0.265134	0.0169254	0.355003
0.295589	0.0186517	0.280449	0.0177733	0.258599	0.0136566	0.353974
0.287162	0.0258775	0.280293	0.0210475	0.255546	0.0153423	0.351172
0.296714	0.0209079	0.279489	0.0203061	0.257566	0.0116739	0.358061
0.294479	0.0192243	0.286867	0.0199123	0.258793	0.01149	0.357117
0.288366	0.0208972	0.28008	0.0183879	0.260148	0.0121742	0.353041
0.292331	0.0235089	0.277779	0.018558	0.25552	0.0111247	0.353493
0.293592	0.021106	0.281663	0.0215032	0.259922	0.0150564	0.360668
0.286132	0.0147861	0.280999	0.024556	0.260046	0.013033	0.345433
0.287881	0.0229284	0.277772	0.0209642	0.255709	0.0122067	0.346094
0.283464	0.0210654	0.282026	0.0153962	0.258439	0.010954	0.334144
0.28629	0.0254145	0.283658	0.0242186	0.256848	0.00922117	0.353049
0.2804	0.0190923	0.279639	0.0177952	0.259559	0.0158335	0.34509
0.28157	0.0230214	0.275144	0.0229916	0.26185	0.0157154	0.352896
0.283389	0.020536	0.275533	0.0148286	0.255736	0.0124974	0.361903
0.286848	0.0219463	0.275803	0.02021	0.256361	0.0142218	0.35531
0.276703	0.0203844	0.276887	0.0214737	0.256012	0.0152786	0.350449
0.279708	0.0231304	0.272893	0.0187178	0.260718	0.013051	0.344431
0.285129	0.0159699	0.280602	0.0179683	0.260765	0.0117901	0.343951

0.277747	0.014617	0.27412	0.0209203	0.257982	0.00934941	0.331298
0.277063	0.0238026	0.271916	0.0162068	0.258131	0.0127139	0.338477
0.274781	0.0159088	0.277775	0.0215939	0.255906	0.0144028	0.346172
0.280104	0.0215283	0.276407	0.0205147	0.261936	0.0170737	0.350509
0.276817	0.0146052	0.277048	0.0122776	0.263135	0.0103681	0.3455
0.271715	0.0211279	0.271532	0.022029	0.261213	0.0139539	0.347309
0.272281	0.0191874	0.275464	0.0156341	0.255851	0.0109707	0.336806
0.264315	0.0190926	0.272351	0.0195711	0.260729	0.0136486	0.344535
0.27503	0.0219475	0.27476	0.021697	0.259164	0.0139141	0.339272
0.272855	0.024648	0.269812	0.0193894	0.260187	0.0145563	0.340807
0.26698	0.0200084	0.271753	0.0205855	0.261323	0.0123258	0.341503
0.268665	0.0191836	0.269683	0.0212365	0.260684	0.0108759	0.336682
0.274406	0.025276	0.265316	0.0188411	0.261477	0.0175706	0.330529
0.264842	0.0164092	0.273912	0.0199248	0.258304	0.0148587	0.35035
0.266152	0.0147587	0.27077	0.0159474	0.257504	0.013459	0.333739
0.265782	0.019789	0.278392	0.0162054	0.259649	0.017781	0.337163
0.269076	0.0192794	0.27059	0.0173784	0.259099	0.0109478	0.346297
0.265818	0.0196514	0.268835	0.0189252	0.260861	0.0170058	0.326312
0.265564	0.0175797	0.272724	0.0154226	0.255313	0.0137512	0.345453
0.266491	0.0193402	0.261665	0.015721	0.251063	0.0169964	0.34336
0.263352	0.019464	0.261776	0.0168088	0.25469	0.0114121	0.337609
0.265606	0.0195495	0.26068	0.0186471	0.260021	0.0111912	0.338492
0.262767	0.0185545	0.260388	0.0141556	0.249275	0.0120857	0.33932
0.266319	0.017548	0.26793	0.0224945	0.254666	0.0121221	0.345342
0.264803	0.0175329	0.261265	0.0265667	0.252723	0.0157176	0.336355
0.263926	0.021087	0.257024	0.0204219	0.251131	0.0117838	0.33458
0.259475	0.0190185	0.265298	0.0155137	0.24986	0.0123298	0.334462
0.262233	0.0176373	0.262517	0.0213234	0.245047	0.0135779	0.328406
0.264868	0.0187316	0.261576	0.0195948	0.244202	0.0161001	0.338948
0.260026	0.0191576	0.265807	0.023043	0.24406	0.0139055	0.325044
0.259806	0.017218	0.266043	0.0183182	0.247227	0.0147327	0.330919
0.259026	0.0191524	0.26003	0.0197557	0.24266	0.0135949	0.330978
0.256145	0.0225233	0.251723	0.0175915	0.24453	0.0139724	0.335887
0.255501	0.0185535	0.259618	0.0207703	0.24406	0.0134211	0.337256
0.257449	0.0178059	0.256709	0.0185247	0.242874	0.0177739	0.335113
0.25981	0.0170009	0.251136	0.0159116	0.241289	0.0109185	0.327719
0.256918	0.0205417	0.259195	0.0183691	0.235618	0.0149047	0.331958
0.253793	0.0196498	0.254895	0.0173708	0.239193	0.0161947	0.335915
0.257019	0.019751	0.257002	0.0136024	0.241215	0.00991097	0.330656
0.252662	0.0188534	0.259581	0.0184446	0.242797	0.00986263	0.334659
0.254022	0.0193541	0.256159	0.0163115	0.23685	0.014024	0.323421
0.258615	0.0182826	0.249937	0.0185203	0.239852	0.0116542	0.325123
0.248169	0.0179587	0.252428	0.0191627	0.237274	0.0156142	0.309492
0.248547	0.0173315	0.249043	0.018624	0.233996	0.0129199	0.321638
0.252594	0.0214461	0.249677	0.018005	0.233935	0.0160161	0.326289
0.257026	0.0181573	0.252301	0.0171399	0.229808	0.0118027	0.319769
0.246938	0.01977	0.24949	0.018858	0.23256	0.0108665	0.305782



0.247233	0.0189572	0.253578	0.02015	0.232992	0.0119223	0.313841
0.251283	0.0188273	0.254303	0.0184494	0.237569	0.0125443	0.302673
0.253949	0.0204754	0.251872	0.0175173	0.23309	0.0122934	0.311881
0.251024	0.0180801	0.250921	0.0129434	0.230535	0.0165905	0.309531
0.250638	0.0206616	0.256284	0.0200453	0.227447	0.0114636	0.318276
0.24842	0.0177291	0.25093	0.0167111	0.230494	0.0135953	0.309221
0.248078	0.0201888	0.249256	0.014967	0.232009	0.0105185	0.31135
0.245072	0.021382	0.249104	0.0189622	0.231216	0.0144359	0.320389
0.246583	0.0188218	0.248567	0.0196055	0.227687	0.0130605	0.316859
0.250689	0.0138213	0.24928	0.0152275	0.22827	0.0163027	0.304095
0.253925	0.0182461	0.244103	0.0212808	0.230039	0.0143527	0.316771
0.245077	0.0174209	0.249729	0.0148449	0.226066	0.0130365	0.305995
0.246931	0.0213814	0.249222	0.0162527	0.225548	0.0143107	0.316063
0.249779	0.0198636	0.239958	0.018313	0.228722	0.00963702	0.309687
0.255666	0.0205387	0.242053	0.0174349	0.230675	0.0145003	0.315254
0.250918	0.0175241	0.245141	0.0218096	0.228096	0.0149033	0.306365
0.245217	0.0187661	0.24736	0.0181951	0.225006	0.0113689	0.31909
0.244498	0.0197807	0.240479	0.0160237	0.223869	0.0124561	0.310816
0.245013	0.0212035	0.239783	0.0150053	0.221842	0.0146421	0.31096
0.245348	0.0216577	0.239509	0.0157455	0.220865	0.010363	0.307723
0.241634	0.017676	0.242724	0.0145197	0.228192	0.0129917	0.323991
0.246731	0.0208495	0.246638	0.017768	0.220105	0.0117048	0.312889
0.247196	0.0213043	0.23946	0.0170648	0.226677	0.0085934	0.313757
0.244297	0.0217774	0.241325	0.0183522	0.223923	0.0130422	0.323958
0.243253	0.0209588	0.239015	0.0162932	0.222874	0.0140699	0.320946
0.24023	0.0197353	0.240801	0.0139794	0.223047	0.0128332	0.318251
0.246558	0.0163443	0.24389	0.0191691	0.227514	0.0111752	0.311489
0.244721	0.0193173	0.241441	0.0167696	0.222959	0.0137755	0.318998
0.242825	0.0164349	0.245962	0.0166851	0.229751	0.0128231	0.309029
0.241185	0.0196896	0.240097	0.0165497	0.226562	0.0176553	0.313237
0.242918	0.0176806	0.246465	0.0170518	0.228166	0.0127141	0.316989
0.243438	0.0130118	0.243331	0.0190475	0.226343	0.0126649	0.309623
0.241478	0.0184988	0.238283	0.0163493	0.225768	0.0106195	0.325161
0.241188	0.0179706	0.244287	0.0173442	0.229309	0.0104908	0.319047
0.24426	0.0193528	0.243007	0.016279	0.224167	0.0134748	0.306999
0.245041	0.0206107	0.247024	0.0166146	0.229621	0.0131704	0.323818
0.238916	0.0192538	0.246012	0.0152845	0.233942	0.0154876	0.312928
0.238169	0.0168474	0.252852	0.0215979	0.234685	0.0126689	0.324029
0.245847	0.0213944	0.250318	0.0175329	0.231926	0.012808	0.323517
0.244371	0.019353	0.25203	0.0161387	0.236712	0.0114929	0.329103
0.245136	0.0221091	0.250576	0.0147274	0.235166	0.0158787	0.324428
0.243365	0.0190316	0.254492	0.0196384	0.239352	0.0137516	0.336575
0.243906	0.0151155	0.25379	0.0175235	0.237318	0.014859	0.333048
0.236897	0.0164737	0.255917	0.0205671	0.241722	0.0154185	0.334611
0.239821	0.0166612	0.254831	0.0215646	0.240685	0.0140956	0.350017
0.241067	0.0201339	0.249607	0.0143519	0.241218	0.0148036	0.335902
0.236623	0.0163735	0.256378	0.0187581	0.242351	0.0106048	0.325902

0.238258	0.0174438	0.255064	0.0199358	0.241341	0.0129963	0.326483
0.236096	0.0174141	0.253806	0.0248881	0.241948	0.0130385	0.330562
0.243527	0.0202658	0.258383	0.0172118	0.242545	0.014866	0.336719
0.235115	0.0248477	0.252601	0.0164026	0.248246	0.0101076	0.334478
0.240025	0.0201476	0.253388	0.0131723	0.246107	0.0131547	0.338109
0.238301	0.0167876	0.256048	0.0193946	0.250777	0.0128171	0.319648
0.239849	0.01664	0.258311	0.0141232	0.247431	0.0131083	0.34208
0.240216	0.0204838	0.260147	0.0201097	0.253413	0.0105149	0.333944
0.246191	0.0185599	0.263836	0.0191044	0.250032	0.0135433	0.326671
0.247733	0.0157628	0.259487	0.0158847	0.252223	0.0129857	0.332019
0.242771	0.0205872	0.260871	0.0186991	0.252298	0.0143453	0.343343
0.251116	0.0176693	0.262819	0.0202098	0.249627	0.0137455	0.329618
0.242566	0.0211194	0.270161	0.0183526	0.25412	0.0140129	0.341155
0.241041	0.0153999	0.260238	0.0192801	0.257667	0.016199	0.336944
0.245332	0.0193527	0.268572	0.0220231	0.25681	0.0158564	0.339102
0.249698	0.0209161	0.266673	0.0191169	0.261477	0.0124781	0.34365
0.246361	0.0187447	0.267656	0.0208556	0.257788	0.014514	0.3456
0.255628	0.0170824	0.265785	0.0213336	0.261365	0.0158476	0.346393
0.248338	0.0215798	0.266245	0.0210613	0.268302	0.0147805	0.341154
0.250683	0.0190933	0.274791	0.0252935	0.263527	0.018795	0.334057
0.251378	0.017501	0.271457	0.0202732	0.268973	0.0157109	0.354107
0.250708	0.0181034	0.275352	0.0191334	0.266185	0.0132741	0.336843
0.263537	0.0201218	0.26787	0.0245271	0.26971	0.0147169	0.35018
0.258382	0.0224865	0.267733	0.0196004	0.266688	0.0146543	0.344728
0.258724	0.0173847	0.268184	0.0234804	0.267068	0.0120918	0.351041
0.253556	0.0144528	0.26969	0.017459	0.265482	0.0125264	0.340079
0.256851	0.0160574	0.272632	0.0183165	0.260571	0.0130128	0.331753
0.261341	0.0136159	0.268195	0.0205682	0.26332	0.0141657	0.337056
0.263329	0.0173735	0.26556	0.0218682	0.262707	0.0159349	0.330528
0.259604	0.0187586	0.267707	0.0214511	0.258521	0.0112296	0.327129
0.265189	0.0166286	0.262487	0.018865	0.256265	0.0150678	0.316782
0.266129	0.0209993	0.259656	0.0222046	0.254925	0.0134471	0.333422
0.256983	0.0212161	0.259591	0.0166557	0.252805	0.0116476	0.328058
0.263538	0.0221196	0.257709	0.0265198	0.25351	0.0135655	0.319768
0.261732	0.0191258	0.257516	0.0196323	0.246149	0.0113043	0.327053
0.263179	0.0173206	0.255739	0.0195419	0.251416	0.0133039	0.316702
0.25676	0.0197114	0.257054	0.0167733	0.247845	0.012272	0.311872
0.261455	0.0213859	0.255497	0.0199886	0.239172	0.0115766	0.298045
0.267623	0.0200966	0.255124	0.0195213	0.241168	0.0106515	0.309436
0.262211	0.0183186	0.254615	0.0173472	0.240706	0.0126877	0.307795
0.259937	0.0206268	0.251867	0.0225492	0.243037	0.0104659	0.314546
0.260841	0.0194416	0.25302	0.0170564	0.238423	0.0141793	0.303471
0.256609	0.022605	0.247917	0.0168012	0.233707	0.0164485	0.308355
0.255887	0.0183815	0.250714	0.0199517	0.236393	0.0139696	0.303482
0.256306	0.0210167	0.249856	0.0166009	0.233377	0.0136561	0.292654
0.264449	0.0219444	0.252335	0.0123594	0.237451	0.0116811	0.311322
0.257322	0.0206406	0.2513	0.0165841	0.237987	0.0126542	0.307467

0.253595	0.0208055	0.249536	0.0167244	0.235949	0.0145444	0.299223
0.255076	0.017184	0.254759	0.0205105	0.237248	0.012908	0.309331
0.253853	0.0218653	0.257525	0.0154323	0.236615	0.00991837	0.298056
0.256118	0.0196864	0.256507	0.020142	0.241656	0.0139047	0.291896
0.256559	0.0199679	0.257268	0.0178659	0.239308	0.0163823	0.303195
0.253577	0.0193584	0.255553	0.0180463	0.244697	0.0146415	0.310598
0.259815	0.0197162	0.256795	0.0177784	0.240976	0.0134199	0.300678
0.258973	0.0180138	0.25925	0.0189469	0.247129	0.0129592	0.311644
0.255449	0.0201288	0.258986	0.0219466	0.245406	0.0119765	0.305946
0.254879	0.0157095	0.256075	0.0148886	0.247387	0.0175978	0.303451
0.261572	0.0169001	0.256075	0.0202035	0.242464	0.0150191	0.309253
0.253651	0.0135474	0.258635	0.0192246	0.245912	0.0149196	0.307295
0.25704	0.0152767	0.256115	0.0153183	0.246749	0.0142435	0.313538
0.256059	0.0157284	0.260923	0.0188947	0.247973	0.010754	0.318148
0.25869	0.0208011	0.265182	0.0205123	0.246762	0.0115915	0.31732
0.257611	0.0234462	0.260926	0.0221442	0.247753	0.0151198	0.312263
0.259557	0.0152981	0.261877	0.011037	0.251967	0.011825	0.312608
0.265486	0.0175017	0.260859	0.0208183	0.253035	0.012847	0.303665
0.259496	0.0186388	0.25995	0.0165057	0.252773	0.0157579	0.30616
0.268564	0.0170582	0.262575	0.0191238	0.251524	0.0105994	0.303651
0.264503	0.01785	0.266499	0.0168837	0.257151	0.0158074	0.309745
0.269809	0.0210246	0.266911	0.0175426	0.24949	0.0143336	0.31594
0.27401	0.0193395	0.264232	0.0196532	0.255878	0.0129313	0.31094
0.268753	0.0165677	0.268831	0.0151321	0.257619	0.0141202	0.31066
0.264448	0.0184198	0.274288	0.0172473	0.253901	0.0157259	0.316517
0.27084	0.0181668	0.271761	0.0153745	0.259944	0.0136107	0.310459
0.26634	0.0201062	0.27472	0.0171145	0.263356	0.0130558	0.315395
0.269314	0.0249999	0.276043	0.0217503	0.261851	0.012495	0.300027
0.27931	0.0208432	0.275298	0.0194158	0.265964	0.0165959	0.325597
0.274173	0.0178583	0.27659	0.0215965	0.262218	0.0148951	0.318926
0.275497	0.0168754	0.279104	0.0213919	0.266599	0.0131159	0.319211
0.274046	0.0199992	0.27651	0.0134142	0.269312	0.0108876	0.331506
0.274229	0.0150713	0.285527	0.0182795	0.269264	0.0158174	0.318617
0.282176	0.0217481	0.287448	0.0195663	0.273643	0.0114633	0.329573
0.277188	0.0182436	0.288939	0.0200272	0.278145	0.0145442	0.329574
0.283395	0.029438	0.290449	0.0193032	0.278011	0.0139262	0.327839
0.293447	0.02147	0.293782	0.0192664	0.284767	0.0118785	0.333681
0.291957	0.0242524	0.295712	0.0223447	0.282282	0.011905	0.325146
0.288238	0.0201036	0.300121	0.0206755	0.285985	0.0137477	0.342654
0.297085	0.0198579	0.303414	0.0194929	0.281008	0.0175788	0.338996
0.292414	0.0222423	0.304867	0.0205022	0.292217	0.0148348	0.346029
0.298343	0.0215823	0.307159	0.0182492	0.303584	0.0158216	0.346311
0.302435	0.0193748	0.311678	0.0165537	0.2971	0.0128455	0.351917
0.305318	0.0186204	0.31077	0.0210675	0.302513	0.0149744	0.345724
0.307052	0.0172961	0.312151	0.0202877	0.307319	0.018011	0.344396
0.315578	0.0246177	0.32455	0.0162842	0.311035	0.0104974	0.355931
0.309535	0.0160914	0.324464	0.0193158	0.313614	0.0129968	0.365586

0.3195	0.0205146	0.328647	0.019343	0.319728	0.0146505	0.344061
0.327723	0.0227885	0.334587	0.017437	0.327856	0.0139217	0.3666
0.325154	0.0228474	0.341166	0.0193546	0.326911	0.0145971	0.368865
0.337107	0.02517	0.334387	0.0219895	0.334797	0.0148965	0.3727
0.340481	0.0240806	0.344126	0.0169604	0.341305	0.0153693	0.36944
0.344691	0.0226591	0.351596	0.0253277	0.343831	0.0155535	0.37076
0.345723	0.0215362	0.362356	0.0202448	0.359843	0.0161063	0.392019
0.351097	0.0225799	0.368949	0.021168	0.358847	0.0241575	0.389321
0.359662	0.0228517	0.376103	0.0249576	0.374329	0.0184786	0.391758
0.373022	0.0228105	0.373629	0.0168554	0.378843	0.016309	0.382292
0.382661	0.0192277	0.3821	0.0190488	0.382375	0.016032	0.390263
0.384454	0.0237667	0.393662	0.0270993	0.391795	0.0131222	0.405344
0.401172	0.0299731	0.399597	0.018787	0.401832	0.0208458	0.415503
0.409669	0.0193708	0.412057	0.0225585	0.417209	0.0177888	0.440509
0.427833	0.0221403	0.425042	0.0268172	0.427746	0.0202967	0.433404
0.423884	0.0196037	0.425175	0.0218068	0.434242	0.0217048	0.430772
0.431286	0.0274319	0.431904	0.0230492	0.453694	0.018051	0.437694
0.43932	0.0374163	0.451444	0.0257424	0.458096	0.018933	0.448171
0.460301	0.0220143	0.45954	0.0195778	0.47171	0.020557	0.448803
0.467498	0.0226374	0.465541	0.0195421	0.48069	0.0235713	0.46984
0.485763	0.0245541	0.486913	0.0247774	0.503254	0.0207355	0.478013
0.501215	0.0206865	0.496331	0.0241229	0.509344	0.0199169	0.491279
0.517999	0.022964	0.505245	0.0237538	0.528877	0.018907	0.500347
0.525829	0.0304329	0.524045	0.0227386	0.543634	0.0200675	0.510165
0.539617	0.0311932	0.542483	0.0245725	0.562452	0.0222842	0.50458
0.554711	0.0293446	0.558073	0.0225456	0.570826	0.0165235	0.514434
0.563485	0.0282601	0.558459	0.024943	0.591267	0.0208055	0.551466
0.584863	0.0374057	0.591097	0.0265439	0.605661	0.0253969	0.53799
0.597974	0.0312914	0.594685	0.0303151	0.622564	0.0239715	0.541721
0.621668	0.0234541	0.617288	0.0175908	0.643001	0.0265125	0.579883
0.630266	0.0262221	0.639387	0.0212707	0.654574	0.0264548	0.58198
0.651383	0.0262129	0.644425	0.0286708	0.672716	0.0202292	0.598639
0.664579	0.0329937	0.665703	0.0228046	0.692206	0.0166971	0.596296
0.679424	0.0293892	0.6803	0.0306381	0.707317	0.0206571	0.620647
0.702803	0.037263	0.695472	0.0302066	0.721745	0.0240791	0.637122
0.717543	0.0302581	0.701715	0.0266521	0.74038	0.0260881	0.648112
0.738762	0.0269172	0.728148	0.0363027	0.752107	0.0212028	0.651535
0.750317	0.0294285	0.746214	0.0210226	0.782806	0.0221272	0.666351
0.76257	0.0321664	0.76443	0.0286046	0.788835	0.0300879	0.679241
0.785038	0.0280653	0.775273	0.0301175	0.817467	0.0256139	0.689324
0.792314	0.0317504	0.793387	0.0265463	0.827224	0.0255009	0.695261
0.809248	0.0408336	0.804558	0.0303222	0.841719	0.0309188	0.724238
0.821245	0.0360119	0.81668	0.0244764	0.855422	0.0270313	0.723409
0.838519	0.0383004	0.838846	0.0303673	0.863762	0.0292946	0.74356
0.850703	0.0372058	0.843953	0.0305898	0.879883	0.0303741	0.739605
0.876087	0.0366784	0.859676	0.027155	0.894282	0.021986	0.742947
0.881935	0.0355927	0.874343	0.0254948	0.911158	0.0306164	0.766735

0.901103	0.0318896	0.894189	0.0379775	0.917468	0.024621	0.774827
0.89541	0.0478576	0.897684	0.0394417	0.927549	0.0216385	0.773016
0.916155	0.0409685	0.90525	0.0284221	0.935135	0.0267759	0.795449
0.914801	0.0343062	0.921731	0.0401188	0.930089	0.0282339	0.795953
0.927805	0.0376201	0.92676	0.0311428	0.951941	0.0291146	0.824272
0.933855	0.0371549	0.926131	0.0401681	0.961426	0.027854	0.826801
0.944003	0.0326804	0.940907	0.0338074	0.959757	0.029191	0.829475
0.940753	0.0308843	0.939835	0.0305851	0.967559	0.0199547	0.832529
0.946405	0.0362133	0.948476	0.0369252	0.963502	0.0236022	0.85217
0.95059	0.0333961	0.952949	0.036814	0.96873	0.0244649	0.845742
0.946407	0.0356351	0.956301	0.0311772	0.967145	0.0250172	0.850407
0.951156	0.0344957	0.948333	0.0406847	0.953022	0.0319778	0.868806
0.949571	0.0386788	0.965795	0.0272638	0.9638	0.0262456	0.881659
0.96223	0.0307557	0.956302	0.0336316	0.955216	0.0288643	0.873993
0.934966	0.0353849	0.953957	0.0332246	0.949406	0.0272166	0.878795
0.938129	0.0375357	0.950893	0.0328395	0.951729	0.0271549	0.889599
0.929999	0.0445537	0.941494	0.0276489	0.934739	0.0272295	0.884116
0.93228	0.0345616	0.933506	0.0318147	0.934796	0.0283444	0.891177
0.922845	0.0465651	0.930504	0.0297254	0.922923	0.0307706	0.900298
0.904975	0.0380633	0.92206	0.033863	0.908957	0.0273958	0.905223
0.910688	0.0389107	0.910546	0.0351635	0.895107	0.0279129	0.90233
0.883186	0.0409587	0.898423	0.0341396	0.876041	0.0271332	0.91527
0.867318	0.0472885	0.886075	0.0313758	0.864285	0.027928	0.892902
0.877362	0.0377859	0.885484	0.0323233	0.860319	0.0302198	0.907426
0.849909	0.0402789	0.867651	0.0339184	0.844861	0.0236658	0.902206
0.840253	0.0356852	0.850575	0.0301315	0.820688	0.0277322	0.891177
0.841596	0.0378234	0.844478	0.0387539	0.802419	0.021734	0.894094
0.816361	0.0312058	0.825184	0.0297723	0.793972	0.0267491	0.910327
0.795635	0.0394129	0.810516	0.0285787	0.771204	0.0260231	0.879467
0.787729	0.0297737	0.803445	0.0251958	0.755328	0.0261474	0.867001
0.761763	0.035504	0.776573	0.0299291	0.740027	0.0235432	0.871759
0.740243	0.0424939	0.773373	0.0290228	0.719495	0.024949	0.861737
0.727485	0.0338681	0.743431	0.0304555	0.706509	0.0259197	0.850744
0.714827	0.0376142	0.728435	0.024645	0.682654	0.0218836	0.819658
0.692815	0.0308686	0.706083	0.0290139	0.659962	0.017507	0.836369
0.679532	0.0350642	0.694365	0.0251753	0.649345	0.0223821	0.813577
0.665615	0.0308921	0.673586	0.0253742	0.629123	0.0238431	0.808563
0.652341	0.0393036	0.655165	0.0225838	0.610157	0.0277509	0.788899
0.623003	0.0272862	0.642017	0.0277181	0.59974	0.0242178	0.76045
0.606887	0.0294067	0.631687	0.0200558	0.578914	0.0219269	0.740352
0.595097	0.0231564	0.597062	0.0249929	0.56302	0.0222141	0.705057
0.584111	0.0269978	0.579906	0.0297153	0.541777	0.0228326	0.697487
0.55871	0.0229015	0.574755	0.0213591	0.527519	0.0189671	0.66689
0.552983	0.026084	0.556904	0.0259151	0.507079	0.0241988	0.648434
0.527301	0.03269	0.540366	0.0276016	0.496136	0.0177872	0.62875
0.511796	0.0218702	0.526021	0.0266893	0.472435	0.0196936	0.622544
0.499199	0.024619	0.514344	0.0279486	0.468209	0.0232798	0.588399

0.483743	0.025518	0.494356	0.0270112	0.454205	0.0187359	0.574432
0.4725	0.027152	0.48496	0.0227396	0.437126	0.0194244	0.558717
0.45968	0.0233471	0.476734	0.020807	0.424165	0.0167827	0.53179
0.440072	0.0213094	0.453007	0.0285272	0.411657	0.0183361	0.52463
0.429148	0.0217406	0.440991	0.0234478	0.395801	0.0148318	0.495064
0.424296	0.0284059	0.43437	0.0201006	0.392233	0.0123143	0.484339
0.41029	0.025059	0.422172	0.017471	0.378769	0.0170953	0.475085
0.398369	0.0234502	0.409621	0.0267353	0.365347	0.0161878	0.447431
0.38978	0.025594	0.394251	0.0199	0.357783	0.0168658	0.442534
0.382655	0.021233	0.389489	0.0199475	0.345334	0.0157748	0.434324
0.365665	0.0218366	0.380105	0.0238093	0.338486	0.016373	0.412674
0.352491	0.0212516	0.369911	0.0209516	0.329135	0.0144613	0.407943
0.349241	0.0195367	0.357356	0.0226074	0.324084	0.0183182	0.413909
0.343536	0.0227338	0.349036	0.0165927	0.316217	0.016353	0.398871
0.331035	0.0167502	0.341579	0.0234899	0.308416	0.0133923	0.371687
0.324078	0.0231953	0.333537	0.0181249	0.297677	0.0134822	0.37356
0.317946	0.017791	0.327593	0.0194635	0.298884	0.0150595	0.369481
0.310056	0.0192998	0.314819	0.0198322	0.284394	0.0132749	0.350979
0.301954	0.0207472	0.316047	0.0199201	0.284192	0.0159167	0.358251
0.303676	0.0238232	0.298715	0.0162566	0.272769	0.0142717	0.35808
0.294041	0.0178128	0.290498	0.0191574	0.267813	0.0147484	0.340242
0.286996	0.019739	0.284665	0.01742	0.267649	0.0116553	0.340812
0.279818	0.0207907	0.283053	0.0145006	0.263085	0.01183	0.328661
0.281401	0.0227153	0.279885	0.014526	0.257159	0.012118	0.331536
0.270529	0.0246204	0.273956	0.0223633	0.254094	0.0144669	0.312722
0.256943	0.0173768	0.270118	0.0234124	0.248718	0.0125288	0.307532
0.258185	0.0232346	0.263855	0.0149604	0.243831	0.0148843	0.320321
0.256905	0.0208102	0.261307	0.0167382	0.24132	0.0102792	0.301661
0.25036	0.021373	0.25119	0.0174653	0.240327	0.0117913	0.30079
0.248073	0.018938	0.247881	0.015279	0.226652	0.0080209	0.308737
0.239229	0.0160789	0.24268	0.0171696	0.228584	0.0139423	0.291798
0.238353	0.0185316	0.239642	0.0169694	0.223156	0.0135666	0.298016
0.231503	0.0213584	0.23095	0.018758	0.220553	0.0108394	0.290064
0.22582	0.0197257	0.229886	0.0124592	0.21909	0.0145042	0.294277
0.226466	0.0180866	0.229556	0.0165456	0.215285	0.0140299	0.281975
0.21989	0.0179634	0.220429	0.0214143	0.20883	0.011679	0.274241
0.214064	0.013042	0.217865	0.0140195	0.211607	0.014491	0.282741
0.216541	0.0221379	0.218872	0.0157955	0.203375	0.0118938	0.284983
0.211227	0.0181608	0.211248	0.0172965	0.20253	0.0122299	0.270667
0.204811	0.0179078	0.212339	0.0122309	0.200249	0.0132644	0.289946
0.201039	0.0151144	0.207178	0.0151919	0.196024	0.0137027	0.289967
0.202518	0.0159277	0.201294	0.0145458	0.190694	0.0128149	0.281494
0.194279	0.0164434	0.198961	0.0184978	0.187399	0.0106001	0.294852
0.197835	0.0154831	0.197373	0.0135829	0.183807	0.0106938	0.277735
0.195647	0.0125549	0.196577	0.017063	0.184258	0.0107909	0.290293
0.185034	0.0187747	0.190536	0.0153441	0.182349	0.00899204	0.28485
0.182264	0.0164126	0.188772	0.0137414	0.176579	0.0108333	0.288522

0.184546	0.0162756	0.186398	0.0137703	0.180187	0.0119627	0.289413
0.176161	0.0133583	0.185369	0.0176812	0.178047	0.0129813	0.282079
0.178668	0.0176569	0.18535	0.0176004	0.176437	0.0107589	0.299605
0.178399	0.0156962	0.189512	0.0115211	0.175167	0.00855991	0.296005
0.175592	0.0150016	0.194854	0.0164561	0.171708	0.0128839	0.296044
0.171834	0.0170267	0.192042	0.0159669	0.173535	0.0101539	0.300791
0.172957	0.0152562	0.200598	0.0155887	0.17028	0.0109145	0.304163
0.16968	0.0177297	0.198472	0.0159787	0.174616	0.0143748	0.310073
0.170593	0.0152035	0.199134	0.019688	0.174707	0.011485	0.320992
0.176077	0.0158216	0.211422	0.0137863	0.181251	0.0124467	0.330293
0.168323	0.0166852	0.215727	0.0204123	0.180838	0.0101474	0.339803
0.172568	0.0117677	0.226831	0.0256388	0.189136	0.00945993	0.353321
0.173641	0.0113944	0.236468	0.0214887	0.192334	0.0100439	0.379948
0.18346	0.0130802	0.246516	0.0231266	0.203912	0.0145602	0.385529
0.185565	0.0207585	0.255307	0.0270988	0.206801	0.009867	0.404385
0.185791	0.014251	0.27826	0.0214218	0.218899	0.0132573	0.433588
0.193425	0.0125441	0.289123	0.0219221	0.225116	0.0153914	0.462164
0.201144	0.0149717	0.311595	0.0286566	0.240791	0.0152889	0.498664
0.207621	0.016598	0.333205	0.036909	0.249073	0.0134413	0.526158
0.22018	0.0165287	0.349694	0.0325025	0.263	0.01866	0.55789
0.232894	0.0163789	0.370307	0.0373491	0.277202	0.0175174	0.600128
0.252947	0.0216025	0.401829	0.0397664	0.295493	0.0121085	0.64042
0.260909	0.0170744	0.419372	0.0440708	0.307301	0.0184157	0.708125
0.283519	0.0149221	0.445215	0.0440767	0.326556	0.0141577	0.738874
0.296743	0.0211051	0.461542	0.0524005	0.336524	0.021419	0.776923
0.318113	0.0213555	0.485675	0.0568858	0.357804	0.0157467	0.842352
0.339535	0.0215182	0.512192	0.0564348	0.376902	0.0195132	0.872137
0.364699	0.0174984	0.530558	0.0588019	0.392693	0.018354	0.914993
0.385029	0.0224131	0.552928	0.0620198	0.41471	0.0209146	0.956749
0.413086	0.02279	0.57377	0.0709712	0.425071	0.0187971	1.01615
0.430027	0.0232263	0.600875	0.061017	0.43768	0.024792	1.07953
0.459782	0.0274964	0.625932	0.0704187	0.456084	0.0206363	1.09864
0.487285	0.0283681	0.637022	0.0740886	0.471954	0.0240183	1.13166
0.51823	0.0222783	0.645604	0.0652037	0.482551	0.0231195	1.19049
0.524127	0.021622	0.671366	0.0737202	0.494653	0.017657	1.20697
0.549737	0.0294006	0.679182	0.0843268	0.499058	0.0191195	1.25253
0.58469	0.0302703	0.693704	0.0762112	0.519804	0.0180128	1.2656
0.601346	0.034337	0.693299	0.0817989	0.523865	0.0205641	1.31298
0.614706	0.0314508	0.689641	0.0715775	0.530098	0.0210934	1.28799
0.638468	0.035929	0.687451	0.0746154	0.528843	0.0209327	1.29374
0.655274	0.0293698	0.694993	0.0917725	0.531904	0.0172651	1.32219
0.675482	0.0419135	0.677514	0.0641346	0.526589	0.02202	1.27718
0.688909	0.0401016	0.671481	0.076633	0.525173	0.0181738	1.28363
0.682992	0.0326616	0.670008	0.0746842	0.515504	0.0255059	1.26805
0.69623	0.0283086	0.635146	0.0639704	0.499653	0.0235768	1.23331
0.697505	0.0363935	0.613488	0.0685828	0.491009	0.0232158	1.18864
0.696156	0.033383	0.587578	0.0653042	0.479914	0.0171441	1.16398

0.705591	0.0330066	0.56221	0.0566241	0.466791	0.0232728	1.09986
0.684975	0.0376951	0.539551	0.0656734	0.444417	0.0267321	1.04062
0.679611	0.0293509	0.512363	0.0589665	0.41812	0.0209443	1.00589
0.666364	0.0345181	0.472536	0.0539325	0.397403	0.0160808	0.937743
0.649087	0.030015	0.436814	0.0518452	0.379754	0.0161136	0.892747
0.622488	0.038419	0.405946	0.0485934	0.352435	0.0168641	0.807136
0.597601	0.0355082	0.380926	0.0433355	0.328061	0.0151431	0.753108
0.570857	0.0287481	0.350903	0.0371334	0.311098	0.0145673	0.699886
0.543768	0.0275989	0.313946	0.0325805	0.282099	0.0167015	0.651188
0.517087	0.0298766	0.294427	0.0368234	0.265727	0.0148407	0.581909
0.485464	0.0242198	0.268049	0.0349519	0.239611	0.0115253	0.524715
0.453349	0.0260756	0.24503	0.0271148	0.223408	0.0146582	0.460552
0.410406	0.0244614	0.229076	0.0276106	0.211032	0.013924	0.431263
0.38467	0.0239561	0.204773	0.0259694	0.191978	0.0102878	0.398806
0.352581	0.0220554	0.187881	0.0159819	0.180399	0.0117804	0.354746
0.324813	0.026543	0.180295	0.0254973	0.170258	0.0112147	0.31477
0.297898	0.0189259	0.167797	0.0160554	0.158761	0.0107385	0.296285
0.274267	0.0207864	0.157847	0.0181694	0.148132	0.008828	0.266233
0.248251	0.0183081	0.144992	0.0148585	0.139917	0.0100364	0.251682
0.227485	0.0153563	0.139349	0.0153584	0.137897	0.00750698	0.240008
0.208268	0.0166217	0.134025	0.0140838	0.129973	0.0097802	0.226888
0.193768	0.016054	0.127988	0.0124497	0.125196	0.00928703	0.213403
0.176482	0.01787	0.126993	0.0118024	0.119386	0.00911401	0.201708
0.16936	0.015722	0.12502	0.0139651	0.120359	0.0113471	0.189462
0.1562	0.0153729	0.122477	0.0115524	0.121071	0.00768478	0.191041
0.143865	0.0142472	0.116421	0.0107779	0.116245	0.00964147	0.181853
0.141479	0.0129628	0.113045	0.0117456	0.11227	0.00950028	0.1787
0.136995	0.0128425	0.119499	0.0134584	0.112786	0.00899454	0.169678
0.128589	0.010756	0.117738	0.0124982	0.11224	0.00985398	0.179615
0.127038	0.0154334	0.114644	0.0104714	0.111676	0.0112589	0.166976
0.121689	0.0136291	0.11949	0.0123551	0.112859	0.00898895	0.162673
0.11865	0.0121283	0.115628	0.0123007	0.111511	0.00853906	0.162909
0.117497	0.0121142	0.111161	0.0115936	0.109335	0.0105326	0.161114
0.119976	0.0131515	0.114557	0.012062	0.111073	0.00761779	0.156315
0.116757	0.0103795	0.11537	0.0143539	0.110709	0.00820042	0.149447
0.11976	0.0133118	0.113759	0.0126852	0.111451	0.00908741	0.159289
0.116324	0.012109	0.115878	0.0161959	0.112363	0.0106027	0.161113
0.11407	0.0134326	0.117864	0.0095703	0.112533	0.0097241	0.151005
0.118929	0.013987	0.117962	0.0130394	0.115973	0.00742504	0.155367
0.112528	0.0142674	0.118699	0.0147603	0.111351	0.00801164	0.151179
0.115467	0.0116095	0.116455	0.013001	0.112465	0.00626227	0.15099
0.115997	0.0127482	0.117199	0.00999868	0.115852	0.00920016	0.148608
0.117921	0.0142658	0.118403	0.0126529	0.116381	0.00747057	0.153271
0.116065	0.0112226	0.116911	0.0116672	0.114499	0.00825664	0.148804
0.11707	0.0112436	0.115186	0.0130972	0.116902	0.00834933	0.155221
0.121072	0.0121146	0.116236	0.0130681	0.116792	0.0107288	0.149554
0.116314	0.0135722	0.121118	0.0126381	0.11669	0.00833264	0.15104



0.119483	0.0134712	0.119406	0.0114989	0.118334	0.00799637	0.142269
0.127106	0.0139928	0.121059	0.0129529	0.120062	0.00855003	0.147912
0.119163	0.0141353	0.12556	0.0107001	0.119952	0.00805147	0.150607
0.125174	0.0118564	0.12268	0.0149585	0.120696	0.00893863	0.150098
0.124137	0.0147327	0.125319	0.0117904	0.121825	0.00992392	0.145599
0.126827	0.0142199	0.131911	0.013575	0.125968	0.0104449	0.149271
0.126994	0.0133714	0.128954	0.011646	0.127894	0.0111466	0.146207
0.129578	0.0153655	0.133899	0.0150805	0.127585	0.00892522	0.154732
0.131812	0.0117325	0.134126	0.0119092	0.126093	0.0106256	0.154176
0.132591	0.0149199	0.131537	0.0109294	0.129879	0.0106193	0.150355
0.128748	0.0141268	0.134457	0.0119196	0.13128	0.00853928	0.15331
0.133345	0.0133648	0.134958	0.0152801	0.133015	0.00898211	0.15843
0.136582	0.0133202	0.134534	0.011851	0.135017	0.0108925	0.154184
0.138386	0.0169455	0.135285	0.0145822	0.137144	0.0117821	0.153067
0.140049	0.0116715	0.140407	0.0121281	0.140074	0.00954814	0.152042
0.138681	0.0105405	0.137638	0.0101792	0.138872	0.00956613	0.155261
0.138787	0.0148804	0.14438	0.0143844	0.141546	0.00976785	0.158635
0.145747	0.0142234	0.144458	0.0119797	0.13917	0.00978675	0.159652
0.147458	0.014226	0.142396	0.0120494	0.144723	0.00937127	0.15631
0.144941	0.0126385	0.144791	0.0128454	0.143478	0.00857167	0.160901
0.145555	0.0158219	0.149694	0.0151822	0.148972	0.00836343	0.156739
0.151266	0.0173448	0.15198	0.0140668	0.147402	0.0101437	0.160881
0.15358	0.0149336	0.15065	0.0122329	0.149141	0.0121304	0.171541
0.155817	0.0162382	0.153143	0.0120528	0.15354	0.0120383	0.161166
0.155209	0.0138266	0.157278	0.0132148	0.154635	0.0114896	0.163658
0.157689	0.0142665	0.155228	0.0141783	0.154523	0.00981945	0.160297
0.155235	0.0143532	0.160557	0.0119961	0.158626	0.0119239	0.165805
0.158778	0.0152725	0.156118	0.0134256	0.160641	0.00787009	0.172904

	SB Ru		SB Rc		SB Rb	
std	mean	std	mean	std	mean	std
0.160022	0.414779	0.0396361	0.246999	0.0355575	0.219046	0.0237054
0.16577	0.41935	0.0391818	0.251183	0.0463229	0.225464	0.0283012
0.206033	0.419251	0.0398095	0.245345	0.0365502	0.221423	0.0219308
0.171586	0.413871	0.0383521	0.240785	0.0426016	0.224599	0.0212836
0.184532	0.410389	0.0365561	0.24347	0.0388571	0.220209	0.0197176
0.148431	0.412056	0.0378681	0.243633	0.0405405	0.22251	0.0259831
0.193611	0.40759	0.0379245	0.237773	0.0406711	0.221521	0.0184433
0.168888	0.401381	0.0338912	0.240675	0.038309	0.225026	0.0203709
0.176389	0.406426	0.0372156	0.238894	0.0358067	0.218111	0.0201055
0.172527	0.397683	0.0326627	0.239532	0.0384017	0.220209	0.02481
0.190425	0.405531	0.0430814	0.233267	0.0429858	0.219208	0.0241948
0.161995	0.403367	0.0388538	0.23921	0.0430773	0.213844	0.0229495
0.162602	0.395222	0.0368999	0.236391	0.0400993	0.216479	0.0237501
0.186156	0.398615	0.0313438	0.236967	0.0424654	0.217257	0.019222
0.186654	0.402177	0.0366532	0.23957	0.0386176	0.21929	0.0234442
0.194399	0.408318	0.0342755	0.241328	0.0416089	0.216931	0.0225813
0.187099	0.419174	0.0373018	0.237714	0.0439192	0.219767	0.0292699
0.16485	0.430185	0.0332631	0.245069	0.0426619	0.223269	0.0236013
0.179337	0.447275	0.036634	0.243699	0.0383746	0.228212	0.0186804
0.159489	0.480381	0.0358655	0.245426	0.0437852	0.237251	0.0235309
0.165406	0.50984	0.0422821	0.247269	0.04035	0.243977	0.025029
0.197574	0.537378	0.0449791	0.258171	0.0456306	0.249737	0.0264067
0.185353	0.561891	0.0495212	0.262633	0.0449508	0.255356	0.0313032
0.17414	0.589192	0.0498859	0.263091	0.0436256	0.266288	0.0261491
0.163043	0.602898	0.0550131	0.268014	0.0404423	0.269325	0.0296341
0.162079	0.605333	0.0491874	0.270719	0.0487615	0.275542	0.0308929
0.15601	0.599334	0.046535	0.266128	0.0443956	0.274284	0.0255819
0.174494	0.574484	0.0504109	0.263813	0.0455	0.266597	0.0253243
0.164734	0.54204	0.0469827	0.262365	0.0438652	0.260685	0.0319286
0.182823	0.506494	0.0355557	0.258535	0.0445171	0.258395	0.0253376
0.179726	0.479336	0.0412564	0.251627	0.0416743	0.247983	0.0326018
0.169899	0.450696	0.0360121	0.248331	0.0431184	0.246854	0.0280415
0.17532	0.428913	0.0299521	0.246648	0.0446053	0.245079	0.0270135
0.185129	0.422042	0.03451	0.243389	0.0452872	0.241654	0.0269365
0.189456	0.408039	0.0293579	0.24687	0.0444906	0.249726	0.0271943
0.18209	0.407933	0.0322783	0.245801	0.0443404	0.259872	0.0301359
0.195429	0.414621	0.0396938	0.250566	0.0412233	0.277791	0.0341378
0.169443	0.438689	0.0397684	0.257073	0.0460656	0.301789	0.0353424
0.179955	0.476361	0.0406175	0.275119	0.0471082	0.352458	0.0434241
0.202413	0.522055	0.0507679	0.292417	0.0489617	0.4366	0.0493406
0.203411	0.599969	0.0748351	0.330233	0.0570488	0.561215	0.0732286
0.24186	0.698031	0.0917319	0.374297	0.0717831	0.742332	0.0866274
0.303656	0.836977	0.121366	0.433196	0.0907014	0.98571	0.134976
0.31926	0.990951	0.141433	0.502639	0.110434	1.25159	0.182546
0.394536	1.14341	0.178969	0.587764	0.140717	1.56761	0.222819

0.420632	1.28568	0.226073	0.667085	0.157056	1.86813	0.256165
0.520988	1.40252	0.249954	0.742437	0.175464	2.14262	0.289038
0.554873	1.48735	0.274139	0.79659	0.191581	2.34299	0.328902
0.602498	1.50518	0.280148	0.822916	0.205557	2.45027	0.350094
0.604933	1.46969	0.275106	0.823344	0.201074	2.43444	0.342894
0.573879	1.38364	0.24771	0.796944	0.196706	2.29733	0.319785
0.525416	1.25249	0.205545	0.739779	0.183993	2.07287	0.280669
0.462485	1.12347	0.17336	0.678028	0.160496	1.8072	0.247623
0.391206	0.99204	0.14253	0.605555	0.142253	1.52015	0.197365
0.336138	0.870748	0.117453	0.527486	0.113274	1.22294	0.149434
0.306971	0.782109	0.0910478	0.466042	0.0956164	0.980306	0.132817
0.286734	0.72466	0.078848	0.419074	0.0818846	0.783347	0.108273
0.238991	0.709886	0.0653528	0.390516	0.0716093	0.640875	0.0836078
0.194521	0.738804	0.0686709	0.377867	0.0725376	0.559247	0.0646695
0.190783	0.853126	0.0828101	0.382455	0.070806	0.521708	0.0562581
0.217264	1.10376	0.129987	0.414189	0.0756218	0.554832	0.0652626
0.203042	1.55542	0.209171	0.500352	0.10054	0.677424	0.086533
0.253781	2.34215	0.345329	0.66796	0.135826	0.923079	0.119677
0.317715	3.64376	0.572464	0.937576	0.199493	1.34633	0.184922
0.383592	5.62537	0.926661	1.37171	0.313344	2.04834	0.280934
0.542937	8.44253	1.40865	2.01437	0.450914	3.06845	0.447785
0.750873	12.2101	2.04905	2.92299	0.661356	4.50316	0.660096
1.06537	16.8529	2.87702	4.131	0.950293	6.36087	0.935287
1.38095	22.1276	3.79694	5.59828	1.30941	8.61156	1.2528
1.78915	27.6748	4.74677	7.25256	1.70152	11.1332	1.63472
2.17842	32.803	5.67446	8.93467	2.13338	13.7215	2.0616
2.53349	36.8195	6.43405	10.4855	2.51131	15.9906	2.38812
2.90862	39.2923	6.87822	11.7283	2.79938	17.711	2.6499
3.05502	39.784	6.93486	12.4307	2.97403	18.6586	2.72887
3.02898	38.2154	6.61746	12.5689	3.00386	18.7991	2.77821
2.94936	34.884	6.02732	12.1025	2.89787	17.9197	2.65871
2.73256	30.31	5.26192	11.0648	2.64949	16.2397	2.39585
2.43959	25.0975	4.37385	9.63293	2.29325	14.0038	2.06507
2.08148	19.9156	3.4448	8.01363	1.91122	11.6049	1.70604
1.69195	15.2515	2.60462	6.41742	1.51561	9.18915	1.3531
1.3427	11.3054	1.90058	4.96812	1.18166	7.02319	1.03108
1.01744	8.21728	1.34788	3.73584	0.872079	5.20804	0.758673
0.81116	5.97628	0.958682	2.79073	0.639089	3.78015	0.571447
0.640996	4.35746	0.684798	2.07037	0.456461	2.73882	0.392251
0.500362	3.18835	0.486381	1.54169	0.334216	1.99315	0.292056
0.396618	2.35431	0.334799	1.15663	0.247063	1.44732	0.204247
0.304363	1.71533	0.229184	0.891641	0.187674	1.06649	0.151268
0.270885	1.2448	0.163976	0.711917	0.145544	0.810432	0.110011
0.238037	0.899874	0.113025	0.575207	0.109165	0.616842	0.0809196
0.227721	0.67836	0.0847103	0.462546	0.0813608	0.480845	0.0573667
0.200637	0.553018	0.0745453	0.394225	0.0726806	0.374114	0.048181
0.202568	0.519776	0.0460902	0.335109	0.0618823	0.301669	0.0419586

0.201751	0.564538	0.0558998	0.308778	0.059213	0.251713	0.0314285
0.178575	0.652739	0.0792542	0.296745	0.0584095	0.221957	0.0219746
0.154082	0.748911	0.0692138	0.290096	0.0541415	0.196997	0.0230328
0.160857	0.836583	0.0823285	0.289686	0.0512471	0.188548	0.0191509
0.172921	0.909331	0.0913932	0.284501	0.0517361	0.18424	0.0232631
0.190444	0.946955	0.082618	0.284743	0.0553594	0.188152	0.0245834
0.182423	0.948749	0.0801244	0.284315	0.0601538	0.188173	0.0251011
0.174235	0.92243	0.0838813	0.302104	0.0555074	0.195288	0.0244242
0.19396	0.882207	0.0803486	0.295961	0.0512778	0.200075	0.0224616
0.189818	0.82019	0.0688446	0.298639	0.0538295	0.202626	0.021926
0.19456	0.750233	0.0724076	0.29363	0.0594645	0.201318	0.0204065
0.179661	0.686684	0.0668843	0.286089	0.0564176	0.20144	0.0263339
0.188216	0.630613	0.0597287	0.276777	0.0602158	0.197753	0.0275165
0.165452	0.583034	0.0517372	0.274425	0.054987	0.190334	0.0316435
0.172059	0.539362	0.0503024	0.262882	0.0483742	0.186336	0.0300205
0.168784	0.506829	0.0425248	0.253696	0.0545172	0.178588	0.0281629
0.167617	0.493019	0.0464127	0.247937	0.0506259	0.176021	0.0261969
0.163091	0.480785	0.0498256	0.238044	0.0445792	0.169505	0.0240613
0.1701	0.468171	0.0500392	0.238755	0.0444248	0.168879	0.0265156
0.155226	0.460166	0.0442455	0.235559	0.0426678	0.166745	0.0286308
0.16378	0.463103	0.044424	0.229565	0.0416682	0.160602	0.0215446
0.157392	0.463384	0.0421288	0.229104	0.0427841	0.161322	0.0212841
0.167363	0.465225	0.0441868	0.228669	0.0433415	0.159296	0.0187902
0.159707	0.472918	0.0429315	0.230049	0.0445107	0.155979	0.0190128
0.176953	0.4846	0.0576437	0.234786	0.040864	0.155041	0.0186474
0.176211	0.500134	0.0579359	0.237706	0.043393	0.155096	0.0159533
0.162876	0.548624	0.0417728	0.24953	0.0446532	0.156999	0.0186099
0.150336	0.621829	0.0578389	0.263707	0.0492235	0.15732	0.018254
0.154159	0.733151	0.0755131	0.289869	0.053361	0.159332	0.0190356
0.165447	0.901361	0.0945223	0.328578	0.0633153	0.172497	0.0194035
0.167305	1.10062	0.120343	0.384146	0.0750933	0.189605	0.0225377
0.173985	1.36621	0.167179	0.455441	0.0899772	0.208135	0.0249998
0.210932	1.65545	0.215623	0.538877	0.104358	0.227542	0.0282125
0.232875	1.95597	0.253286	0.6445	0.131263	0.247282	0.0275734
0.267814	2.23596	0.286937	0.753832	0.160839	0.274658	0.0316162
0.315838	2.49923	0.34824	0.853796	0.186434	0.302387	0.0380221
0.356849	2.66634	0.360185	0.946176	0.20335	0.319498	0.0414578
0.369412	2.73463	0.357234	1.01835	0.222931	0.339123	0.0430333
0.379433	2.69635	0.355114	1.05405	0.231485	0.348079	0.0434706
0.390821	2.56921	0.342125	1.05275	0.22621	0.348633	0.0438207
0.378106	2.34373	0.327446	1.02065	0.227367	0.339182	0.043324
0.346855	2.0774	0.266492	0.954176	0.204884	0.317827	0.0394036
0.316508	1.79716	0.211083	0.863824	0.179553	0.293644	0.0393016
0.288181	1.50629	0.183903	0.759076	0.163811	0.27412	0.0367155
0.249607	1.24398	0.148201	0.649748	0.132611	0.251693	0.0296308
0.231684	1.0316	0.10605	0.553196	0.105403	0.220747	0.0287586
0.211538	0.869455	0.0817224	0.477328	0.094372	0.201049	0.0234934

0.208586	0.748016	0.0815606	0.410089	0.081813	0.187498	0.0201103
0.195352	0.657011	0.0618082	0.357823	0.072386	0.175309	0.0197475
0.178548	0.600478	0.0627628	0.327543	0.0628895	0.168888	0.022516
0.168031	0.566817	0.0577855	0.304567	0.0550219	0.164991	0.0229972
0.154599	0.552668	0.0524753	0.286818	0.0539314	0.161584	0.0209612
0.161134	0.537422	0.0458312	0.281349	0.0519544	0.158096	0.0186029
0.157125	0.518776	0.0529291	0.280024	0.0534809	0.159332	0.0186319
0.15934	0.510149	0.0544202	0.279765	0.0532175	0.159608	0.0193065
0.165537	0.491147	0.0503137	0.273552	0.0519362	0.15552	0.0160795
0.171677	0.481904	0.0469151	0.264783	0.0452813	0.15792	0.0165566
0.153937	0.46683	0.0459422	0.260609	0.0455169	0.157954	0.0214131
0.147496	0.457897	0.0440893	0.25744	0.0481641	0.155008	0.0190706
0.145908	0.442727	0.0399623	0.254546	0.0464386	0.155099	0.0166795
0.164254	0.439813	0.0444369	0.252066	0.0465109	0.154524	0.0178563
0.176856	0.452786	0.0434794	0.249115	0.0459794	0.157444	0.0157116
0.17255	0.476643	0.0449971	0.251344	0.0486539	0.160992	0.0130008
0.18349	0.511202	0.0545458	0.259534	0.0484861	0.163179	0.015409
0.202083	0.557362	0.061634	0.26881	0.050898	0.174221	0.0177616
0.263991	0.648317	0.0732325	0.279578	0.0525047	0.19107	0.0188579
0.345202	0.765752	0.0776672	0.302499	0.0521145	0.205246	0.0223158
0.435045	0.900999	0.0979088	0.335623	0.0578388	0.225712	0.0246639
0.610406	1.07931	0.128565	0.37266	0.0666694	0.262959	0.0312059
0.859032	1.29066	0.164403	0.409914	0.0785477	0.306288	0.0339434
1.16661	1.54737	0.198104	0.454475	0.0885999	0.35881	0.0408006
1.50178	1.79685	0.252396	0.512448	0.0979466	0.423893	0.0511654
1.89809	2.0345	0.293679	0.573939	0.109909	0.487563	0.0609923
2.36437	2.28126	0.334839	0.63857	0.126426	0.548578	0.0711326
2.77441	2.45143	0.351943	0.69737	0.138002	0.612241	0.0782725
3.15346	2.57729	0.385454	0.739495	0.144443	0.67392	0.0726579
3.46552	2.60156	0.387041	0.775923	0.150823	0.713847	0.0828939
3.63319	2.57066	0.371819	0.79309	0.152345	0.734847	0.0924278
3.65226	2.47152	0.355611	0.792396	0.149758	0.737372	0.0841013
3.47961	2.32149	0.303208	0.779075	0.147059	0.722181	0.0835424
3.18836	2.18482	0.259645	0.752909	0.139801	0.68891	0.0888289
2.87428	2.06505	0.236225	0.720224	0.13796	0.64479	0.0874173
2.55533	1.97998	0.194747	0.693174	0.139398	0.608436	0.078461
2.20692	1.96384	0.175529	0.679532	0.133124	0.584037	0.0773579
1.83612	1.99468	0.164553	0.666186	0.128026	0.56717	0.0813974
1.59583	2.07006	0.174311	0.671707	0.132292	0.56766	0.0839056
1.4796	2.17723	0.194131	0.693818	0.135742	0.584783	0.0934254
1.44991	2.28556	0.195554	0.726679	0.146817	0.606949	0.104334
1.56628	2.36676	0.215895	0.767673	0.159611	0.6368	0.112589
1.68866	2.40594	0.209415	0.791789	0.162727	0.670722	0.124168
1.73552	2.41933	0.208862	0.818673	0.171734	0.690981	0.126026
1.81636	2.36217	0.211076	0.839346	0.179995	0.693454	0.126251
1.8523	2.24518	0.203679	0.832831	0.174747	0.686935	0.128935
1.8061	2.10134	0.186873	0.816741	0.170884	0.669041	0.121772

1.70688	1.93437	0.161422	0.788875	0.167475	0.63417	0.112344
1.55182	1.78388	0.140806	0.744311	0.152752	0.596299	0.103505
1.37442	1.63516	0.136441	0.696915	0.142706	0.552556	0.087516
1.21717	1.51364	0.117082	0.653203	0.130915	0.504783	0.0736265
1.0319	1.41792	0.130858	0.606419	0.117693	0.4587	0.0662973
0.871395	1.35424	0.154494	0.571357	0.111086	0.417985	0.0577794
0.738234	1.32246	0.153872	0.539422	0.0964943	0.389124	0.0499428
0.606248	1.29738	0.176582	0.512652	0.0904162	0.360146	0.0419667
0.520106	1.30093	0.205855	0.49515	0.0863253	0.336816	0.0367855
0.432181	1.29498	0.212551	0.478322	0.0790497	0.318	0.0313562
0.330893	1.28183	0.226583	0.466585	0.0802231	0.302196	0.0281696
0.294268	1.24224	0.236544	0.452354	0.0802325	0.285984	0.0275213
0.235627	1.20135	0.23554	0.4412	0.0760733	0.267445	0.0318281
0.216414	1.1731	0.220129	0.431418	0.0755095	0.255995	0.0331037
0.227346	1.11667	0.211236	0.416802	0.0741999	0.244472	0.02852
0.195806	1.0483	0.187765	0.402647	0.0708396	0.231759	0.0282533
0.179996	0.980288	0.177256	0.387008	0.0743008	0.220505	0.0256265
0.179312	0.918492	0.157258	0.374476	0.0730607	0.212796	0.0249635
0.177999	0.863146	0.134505	0.363614	0.0696689	0.201451	0.0216684
0.165103	0.808613	0.109214	0.357273	0.069115	0.191564	0.0226112
0.161259	0.763783	0.0965207	0.351541	0.0707793	0.185493	0.0237966
0.165491	0.724996	0.085409	0.346203	0.0713323	0.184153	0.0229235
0.160775	0.696142	0.073047	0.33978	0.0681469	0.186644	0.022013
0.155469	0.688602	0.057198	0.335277	0.0656545	0.183802	0.0239503
0.15816	0.67567	0.0657209	0.344636	0.0734224	0.182462	0.0222661
0.167998	0.668129	0.0633623	0.348353	0.0751263	0.188272	0.0213031
0.147215	0.678123	0.0638557	0.35004	0.072992	0.194529	0.0223557
0.133963	0.695654	0.0665904	0.362858	0.0772024	0.204572	0.0221784
0.159267	0.707233	0.0592568	0.37102	0.0766269	0.219833	0.0266239
0.169077	0.728111	0.0620194	0.383261	0.0779693	0.240046	0.0305457
0.184832	0.757625	0.0730086	0.398179	0.0797105	0.276417	0.0374056
0.184231	0.808231	0.0911439	0.42905	0.0867582	0.334225	0.0454802
0.187061	0.888503	0.104915	0.472992	0.104659	0.414789	0.0582545
0.203635	0.989288	0.147048	0.535061	0.126221	0.533476	0.0754359
0.232789	1.12715	0.197747	0.622159	0.158303	0.707991	0.103437
0.273296	1.30614	0.250731	0.738947	0.206158	0.952198	0.144358
0.333704	1.54525	0.327318	0.892795	0.271183	1.26327	0.189557
0.421772	1.80915	0.428082	1.10512	0.366338	1.64555	0.251925
0.493954	2.07187	0.525099	1.34861	0.4697	2.09529	0.323979
0.615027	2.34832	0.6212	1.60521	0.581613	2.60486	0.400865
0.726601	2.60798	0.708442	1.8853	0.693239	3.14987	0.488037
0.858675	2.80599	0.783777	2.17807	0.820622	3.67608	0.576976
0.98145	2.96101	0.834631	2.42995	0.921284	4.11252	0.63827
1.04404	3.01803	0.867073	2.61347	1.01394	4.43672	0.697568
1.05571	2.99844	0.868046	2.73104	1.07224	4.64042	0.727157
1.05319	2.87266	0.813532	2.77487	1.09063	4.66712	0.726697
1.0447	2.66509	0.730663	2.73677	1.065	4.52328	0.714358

1.02438	2.41506	0.641119	2.59692	0.998794	4.22464	0.655836
0.960508	2.13711	0.538906	2.38771	0.914769	3.81116	0.598718
0.834119	1.86687	0.450141	2.14531	0.811562	3.30921	0.522871
0.725458	1.61422	0.35758	1.86289	0.679517	2.77818	0.43674
0.664389	1.39522	0.281396	1.57529	0.548794	2.25347	0.343531
0.53966	1.22077	0.190838	1.3253	0.437114	1.77442	0.279358
0.404033	1.091	0.14244	1.10463	0.338937	1.35896	0.215263
0.322197	1.02984	0.130927	0.916149	0.262771	1.02998	0.154315
0.26498	0.999771	0.104177	0.777405	0.203518	0.766878	0.117494
0.200738	1.02287	0.113112	0.680333	0.161343	0.569959	0.0865421
0.191812	1.0728	0.10621	0.622553	0.14084	0.440766	0.0661403
0.196447	1.16356	0.123774	0.585168	0.123361	0.353883	0.0472697
0.185007	1.32398	0.152098	0.577926	0.117987	0.302526	0.0379307
0.158504	1.52816	0.164754	0.600636	0.125148	0.285166	0.0366403
0.16518	1.83986	0.200462	0.641628	0.14006	0.285903	0.0339081
0.165343	2.28161	0.241063	0.711369	0.150221	0.304102	0.032995
0.176781	2.97141	0.312235	0.815179	0.171888	0.343121	0.0412645
0.166894	4.05505	0.440543	0.966786	0.203758	0.394629	0.0522589
0.171295	5.74313	0.628074	1.19566	0.251982	0.46533	0.0567554
0.204379	8.38141	0.917134	1.54095	0.334885	0.55987	0.0655621
0.233865	12.4056	1.33707	2.05498	0.459993	0.678172	0.0839173
0.268688	18.4923	1.97796	2.83072	0.620686	0.804052	0.103555
0.276409	27.298	2.95891	4.02139	0.881526	0.972153	0.126149
0.306787	39.7666	4.34894	5.73171	1.26589	1.19256	0.155451
0.387316	56.6119	6.22428	8.16561	1.81362	1.46168	0.188494
0.475231	78.3704	8.6131	11.5597	2.59571	1.81243	0.23374
0.575863	105.103	11.6619	16.0411	3.62427	2.23488	0.281961
0.706292	136.663	15.0444	21.7353	4.9341	2.73948	0.354119
0.873879	171.932	18.8688	28.7174	6.52448	3.34365	0.43364
1.06766	208.599	22.9286	36.7636	8.36496	4.02534	0.514927
1.28853	244.311	26.762	45.6023	10.41	4.75021	0.61474
1.48078	276.027	30.1598	54.7337	12.4443	5.4706	0.708985
1.7154	300.771	33.0485	63.4784	14.4096	6.17501	0.794177
1.91459	315.942	34.5749	71.1436	16.1931	6.76637	0.889364
2.121	319.66	34.904	76.9843	17.549	7.16651	0.958337
2.21995	311.934	34.1207	80.3603	18.2882	7.36714	0.981657
2.1869	293.258	31.9574	80.8958	18.4044	7.31548	0.968255
2.13807	265.994	29.1223	78.6998	17.9533	7.00791	0.933576
1.98354	232.175	25.4698	73.871	16.7763	6.48629	0.866342
1.81087	195.567	21.5322	66.8446	15.1272	5.83097	0.764528
1.63395	158.707	17.3056	58.3529	13.2221	5.07112	0.660088
1.38569	124.291	13.6039	49.1925	11.1685	4.26023	0.555368
1.14481	94.0059	10.2653	40.0522	9.11193	3.46254	0.44974
0.939361	68.5629	7.55858	31.5075	7.16621	2.72086	0.35341
0.7321	48.3875	5.21479	23.9645	5.44275	2.07515	0.27
0.585496	33.1661	3.61575	17.6288	3.98897	1.53274	0.197927
0.476776	22.1363	2.4503	12.5612	2.85286	1.12479	0.144973

0.36452	14.5889	1.59693	8.68895	1.97818	0.815594	0.108366
0.295287	9.6333	1.05062	5.8865	1.33105	0.586025	0.0806417
0.251891	6.59916	0.701319	3.93434	0.895154	0.436818	0.0551451
0.233237	4.90536	0.518745	2.65832	0.606203	0.339204	0.0381174
0.202658	4.15864	0.459353	1.86528	0.421588	0.283039	0.0331798
0.195601	4.12452	0.436774	1.42217	0.31767	0.248812	0.0323331
0.195085	4.66599	0.507012	1.2266	0.274567	0.235329	0.030931
0.179603	5.76921	0.640019	1.21364	0.270153	0.240601	0.0302998
0.184354	7.4146	0.846357	1.37688	0.301387	0.257355	0.0273158
0.222827	9.58861	1.06609	1.66927	0.36385	0.291364	0.0324125
0.234451	12.3926	1.38606	2.09677	0.443474	0.332689	0.0378496
0.222675	15.8511	1.76991	2.68469	0.572698	0.387243	0.045733
0.225669	19.8973	2.1997	3.43709	0.743404	0.460696	0.0552112
0.23536	24.4516	2.76818	4.35069	0.931736	0.544223	0.0668222
0.257291	29.0733	3.26394	5.39723	1.15401	0.650716	0.0824423
0.273345	33.6665	3.76085	6.56132	1.4188	0.763744	0.0952968
0.314878	37.8128	4.22402	7.77408	1.68735	0.86667	0.11285
0.350744	41.1351	4.61502	8.93062	1.92661	0.964188	0.123027
0.380592	43.2526	4.77553	9.97394	2.15403	1.05924	0.127202
0.414932	43.9461	4.91366	10.7978	2.33133	1.1283	0.136751
0.408291	43.3091	4.86113	11.3379	2.41757	1.16492	0.141304
0.402337	41.1487	4.51635	11.5492	2.46503	1.18096	0.143656
0.422955	37.8252	4.18775	11.3711	2.45167	1.15592	0.143971
0.402062	33.6124	3.73391	10.8373	2.33584	1.09509	0.13961
0.378027	28.9356	3.17754	9.98093	2.14808	1.01996	0.121146
0.391215	23.9887	2.67446	8.88796	1.90285	0.916281	0.108973
0.35582	19.2363	2.12334	7.68011	1.63662	0.8016	0.106865
0.302892	14.9006	1.62061	6.42992	1.38391	0.694175	0.0911108
0.269537	11.2031	1.24825	5.20791	1.11443	0.585694	0.0683918
0.25632	8.16731	0.897816	4.08978	0.876545	0.494386	0.055018
0.234812	5.75848	0.622969	3.11307	0.66669	0.412923	0.0468616
0.215638	3.96282	0.425562	2.29899	0.490785	0.338997	0.0406233
0.20956	2.65207	0.28083	1.64461	0.339924	0.285035	0.03493
0.193767	1.75287	0.176816	1.15582	0.236008	0.246511	0.0301776
0.18463	1.15255	0.11926	0.804753	0.167934	0.216011	0.0277268
0.196863	0.75222	0.0616321	0.551646	0.114126	0.192769	0.0266002
0.169753	0.506909	0.0481993	0.382109	0.0792216	0.180502	0.0253503
0.167208	0.362724	0.0337335	0.269737	0.0553222	0.173193	0.0240138
0.183412	0.281363	0.0238308	0.197681	0.0390885	0.167262	0.0221116
0.18248	0.234124	0.0166445	0.15415	0.0289387	0.16438	0.0211213
0.182121	0.20701	0.0192809	0.129995	0.0261451	0.166708	0.023508
0.185889	0.197873	0.0172684	0.113788	0.0228414	0.170361	0.023664
0.211282	0.191767	0.0154614	0.103413	0.0202582	0.169486	0.0227189
0.200126	0.186963	0.0156058	0.0996979	0.0218506	0.168319	0.0253497
0.199387	0.190523	0.0201605	0.0997846	0.0224863	0.16863	0.0231887
0.209777	0.188627	0.0161383	0.0988547	0.0219518	0.171468	0.0245505
0.194355	0.190322	0.0141799	0.0994506	0.0228482	0.173218	0.0282257



0.198765	0.192102	0.0171661	0.0985683	0.0242527	0.177917	0.0261348
0.204147	0.199308	0.0200549	0.0970648	0.0234554	0.183889	0.028003
0.195397	0.199326	0.0204313	0.0992521	0.0214846	0.188298	0.0297735
0.193201	0.205697	0.0238199	0.1025	0.0193513	0.194302	0.0296095
0.209717	0.208873	0.0252635	0.103163	0.02199	0.203488	0.0335941
0.206325	0.212258	0.0230074	0.103118	0.0237582	0.216905	0.0395995
0.218796	0.218726	0.0204418	0.107149	0.0239229	0.237668	0.045287
0.218917	0.229298	0.0258348	0.112688	0.0242674	0.271404	0.0595414
0.234838	0.242397	0.0297456	0.118982	0.0269296	0.318512	0.0814513
0.259214	0.261053	0.0334557	0.131209	0.0304205	0.387853	0.113254
0.261253	0.284598	0.0426304	0.143373	0.0326001	0.485415	0.157354
0.252833	0.315305	0.0495054	0.158145	0.0356143	0.620356	0.217699
0.260103	0.353489	0.070448	0.183308	0.0423039	0.804346	0.300584
0.290524	0.400307	0.0768463	0.209256	0.0494222	1.0354	0.413638
0.332115	0.445493	0.0915985	0.242893	0.0599416	1.32885	0.544966
0.374999	0.497081	0.115894	0.29083	0.0735528	1.68536	0.711647
0.4306	0.553543	0.138522	0.334566	0.085441	2.09264	0.908915
0.486546	0.607212	0.160115	0.383068	0.100335	2.53779	1.11493
0.585383	0.654231	0.175781	0.436075	0.115559	2.99986	1.35028
0.651267	0.700043	0.198575	0.489876	0.131949	3.45608	1.58117
0.674209	0.733227	0.220587	0.537192	0.15018	3.85858	1.78246
0.710393	0.741809	0.223575	0.5788	0.159295	4.20671	1.96204
0.785517	0.735195	0.21643	0.602719	0.164185	4.43583	2.05594
0.832314	0.721508	0.208029	0.615999	0.163966	4.5412	2.1197
0.797494	0.691028	0.210182	0.617558	0.163707	4.50802	2.12386
0.801526	0.650417	0.188036	0.600692	0.162793	4.33348	2.02995
0.767366	0.59752	0.151934	0.568573	0.155573	4.05291	1.89721
0.712771	0.548644	0.14319	0.531557	0.144132	3.70079	1.72652
0.684434	0.489929	0.120367	0.486213	0.132595	3.25931	1.52366
0.601243	0.435851	0.0950606	0.433719	0.111881	2.79441	1.2984
0.559631	0.392	0.0759368	0.379602	0.0941799	2.33878	1.06292
0.511091	0.358017	0.0599978	0.327227	0.0825611	1.9031	0.836695
0.491934	0.327066	0.050012	0.278693	0.0688717	1.52923	0.663687
0.484041	0.300183	0.044633	0.241794	0.0561971	1.20018	0.486578
0.494985	0.287084	0.0325455	0.211209	0.0436469	0.92906	0.363366
0.488875	0.277279	0.0230789	0.185504	0.0367456	0.719742	0.260875
0.434322	0.273386	0.0256938	0.168382	0.0363774	0.574505	0.180483
0.433709	0.267594	0.0245257	0.152881	0.0319647	0.46586	0.132756
0.462747	0.26476	0.0251188	0.146346	0.0301913	0.394361	0.0901936
0.454565	0.266132	0.0237251	0.140275	0.0281151	0.347223	0.0711231
0.459256	0.264302	0.0227372	0.134861	0.0268965	0.308523	0.0570991
0.469886	0.265198	0.0203939	0.134541	0.0289634	0.286747	0.0523803
0.503883	0.26629	0.0192212	0.130591	0.0286315	0.276006	0.0436421
0.467901	0.270475	0.0209615	0.135186	0.0276782	0.269635	0.0372518
0.444926	0.272652	0.0223048	0.135444	0.0272935	0.266712	0.0328994
0.480923	0.280089	0.0214074	0.133073	0.0294522	0.269315	0.0322772
0.512567	0.281561	0.0202344	0.136929	0.0282287	0.276721	0.034798

0.479486	0.285391	0.024223	0.141224	0.0306677	0.281628	0.0364699
0.480046	0.292868	0.0222008	0.142641	0.0302105	0.296273	0.0425639
0.448061	0.305886	0.0241197	0.147336	0.03441	0.317892	0.043517
0.435445	0.310749	0.02553	0.153447	0.0357153	0.334809	0.045883
0.440175	0.320321	0.0295099	0.163906	0.0352219	0.355043	0.0526614
0.426905	0.331099	0.0237998	0.168019	0.0371316	0.384026	0.0593045
0.424421	0.342707	0.0290757	0.174767	0.0410644	0.424184	0.0644552
0.438124	0.361073	0.0314123	0.181982	0.0403164	0.467323	0.0768737
0.411337	0.367519	0.0350936	0.193686	0.0476184	0.503158	0.0980425
0.400695	0.381707	0.0388362	0.200576	0.0453254	0.553966	0.10603
0.404137	0.399431	0.0391835	0.211658	0.051959	0.610267	0.128802
0.379301	0.412799	0.048803	0.218419	0.0543121	0.679604	0.157047
0.380649	0.429057	0.0531026	0.23048	0.0556503	0.740739	0.176684
0.37955	0.448407	0.0580534	0.238617	0.0569567	0.808468	0.213261
0.379863	0.460932	0.0627101	0.248458	0.0553872	0.888143	0.249111
0.392551	0.473176	0.0689127	0.256474	0.0540786	0.959492	0.272503
0.367919	0.483464	0.06043	0.268824	0.0535183	1.02434	0.303942
0.394116	0.489441	0.0649455	0.269968	0.0531424	1.05911	0.317291
0.384328	0.488788	0.0679588	0.278932	0.0584762	1.08693	0.320969
0.413025	0.492238	0.0731597	0.279351	0.0577313	1.09184	0.328278
0.374756	0.490807	0.0672521	0.278822	0.0585405	1.07889	0.321111
0.363063	0.483555	0.0727359	0.27683	0.0533982	1.04578	0.31555
0.336077	0.475834	0.0714451	0.276643	0.057282	0.992051	0.284055
0.358512	0.463601	0.0687355	0.269569	0.0539627	0.935675	0.264271
0.353552	0.452255	0.0597076	0.259222	0.0483981	0.861229	0.231908
0.362549	0.441546	0.0619708	0.250953	0.0436082	0.787663	0.208747
0.355375	0.427858	0.0573399	0.23777	0.0462286	0.710921	0.173381
0.306924	0.417899	0.059459	0.231577	0.0424421	0.644127	0.150495
0.291642	0.411414	0.0600052	0.223293	0.0349385	0.586939	0.120758
0.307576	0.399316	0.0543517	0.21192	0.0361263	0.532873	0.0980453
0.310326	0.392742	0.0513102	0.205719	0.0373933	0.486785	0.0966524
0.295856	0.385896	0.0493079	0.202022	0.0336453	0.451033	0.0837427
0.291507	0.38234	0.0484484	0.198845	0.0340082	0.426003	0.0807738
0.281027	0.376008	0.0526076	0.196344	0.0307973	0.40632	0.0821446
0.275311	0.377478	0.0499922	0.195863	0.0325632	0.395132	0.0824815
0.271227	0.376876	0.0471855	0.194074	0.0312663	0.382976	0.0781067
0.275428	0.367235	0.0454157	0.190635	0.0306002	0.378464	0.0737101
0.282193	0.364271	0.0456539	0.19569	0.0314604	0.380566	0.0756953
0.274227	0.3582	0.0446466	0.194642	0.0307029	0.379737	0.0687589
0.29159	0.35379	0.0419382	0.193704	0.0344392	0.377141	0.0701277
0.269596	0.35258	0.0390377	0.200869	0.0369015	0.378963	0.0772261
0.286023	0.347298	0.0441226	0.194122	0.0340023	0.374017	0.0741249
0.283282	0.34595	0.0359601	0.198759	0.0336537	0.372275	0.0729559
0.290009	0.34843	0.0333665	0.19851	0.0332483	0.377857	0.0700233
0.317937	0.34726	0.0364751	0.192075	0.0364655	0.371953	0.0645912
0.285453	0.341279	0.0360724	0.191477	0.0343068	0.362607	0.0690339
0.28932	0.340011	0.0370476	0.195132	0.032419	0.367726	0.0596109

0.283624	0.338374	0.0347176	0.194649	0.0315497	0.370765	0.0578565
0.293823	0.339693	0.0385408	0.19054	0.0328529	0.366004	0.056336
0.271934	0.338343	0.0312017	0.189129	0.0312662	0.364576	0.0541807
0.29637	0.343967	0.0281184	0.189004	0.0365332	0.362606	0.0486983
0.318947	0.349372	0.0315589	0.191492	0.0330416	0.361262	0.0508518
0.296444	0.365015	0.0387823	0.195344	0.0294612	0.365807	0.0456158
0.3435	0.375971	0.0431871	0.201712	0.0330712	0.365161	0.0409401
0.329053	0.39779	0.0512116	0.207746	0.035293	0.379882	0.0469186
0.397206	0.42352	0.0608825	0.217739	0.0442171	0.39297	0.0538143
0.448652	0.453331	0.0727065	0.225836	0.0421401	0.422651	0.0514414
0.428543	0.488401	0.0968175	0.246945	0.0519135	0.437036	0.0565618
0.534778	0.53496	0.122317	0.267123	0.0618256	0.46998	0.0637013
0.591345	0.571774	0.141024	0.292266	0.07088	0.510222	0.074709
0.703508	0.608121	0.163888	0.322651	0.101284	0.54978	0.0862812
0.794583	0.644719	0.185703	0.348094	0.110957	0.595116	0.0997288
0.893829	0.673271	0.210287	0.384455	0.131852	0.637067	0.118732
1.04419	0.692244	0.219829	0.423048	0.151405	0.678052	0.129087
1.1206	0.712531	0.219171	0.442555	0.169149	0.710746	0.133774
1.18026	0.725947	0.212831	0.459251	0.173803	0.740785	0.147253
1.2682	0.723694	0.218333	0.480028	0.184704	0.752311	0.156063
1.28299	0.702966	0.203847	0.486495	0.184246	0.769001	0.156362
1.3078	0.681779	0.188145	0.492925	0.189847	0.765853	0.140092
1.3373	0.654712	0.173303	0.480469	0.188491	0.744358	0.153085
1.21149	0.62065	0.142377	0.461392	0.17055	0.715924	0.135296
1.12294	0.596443	0.124155	0.453711	0.16779	0.691281	0.128685
1.06681	0.568649	0.110463	0.417285	0.138445	0.652741	0.121729
0.907683	0.53244	0.0886932	0.394842	0.128029	0.599265	0.10161
0.831469	0.506824	0.0768048	0.366112	0.117147	0.567747	0.0833955
0.692919	0.487438	0.0611439	0.3403	0.100132	0.537114	0.0810465
0.625329	0.465248	0.048636	0.312692	0.0796104	0.497884	0.0721645
0.548307	0.4484	0.043142	0.293246	0.0706107	0.4696	0.0634993
0.460787	0.442317	0.0391011	0.278959	0.0658632	0.451119	0.0549394
0.470242	0.436441	0.0373051	0.261205	0.0584194	0.430741	0.0601912
0.396925	0.435844	0.0366166	0.251172	0.0560811	0.419792	0.0548619
0.380844	0.429451	0.0346282	0.244436	0.0510566	0.413373	0.047838
0.393427	0.429707	0.0349235	0.243172	0.0575648	0.405737	0.0469284
0.378897	0.432711	0.0346092	0.232356	0.0479726	0.401545	0.0513337
0.414616	0.440352	0.0416407	0.234629	0.0518663	0.401063	0.0463017
0.381466	0.445277	0.0368202	0.232933	0.0567834	0.399191	0.044605
0.330583	0.45152	0.0468856	0.231184	0.0551096	0.397759	0.0457713
0.32476	0.456506	0.0457967	0.233435	0.0500724	0.390367	0.0445316
0.353219	0.464406	0.0477797	0.235431	0.0587181	0.404338	0.0466189
0.403963	0.464667	0.0454788	0.234016	0.0541465	0.396389	0.0473597
0.340748	0.469363	0.0489783	0.238847	0.0561782	0.402124	0.0568162
0.390254	0.480917	0.0526268	0.23891	0.0577274	0.412607	0.0532457
0.361019	0.491975	0.0477667	0.239514	0.0542661	0.415621	0.0602198
0.366686	0.500803	0.0508172	0.241133	0.0577705	0.416954	0.0590726

0.334409	0.512036	0.057327	0.245288	0.0584729	0.415861	0.0583236
0.334572	0.52361	0.0586562	0.253826	0.0572301	0.433366	0.0761684
0.354397	0.534575	0.0611116	0.251648	0.0564633	0.440863	0.0859735
0.404465	0.552252	0.05731	0.265902	0.0541382	0.448147	0.092416
0.353417	0.571522	0.0627667	0.265077	0.0561717	0.462679	0.113081
0.378221	0.592655	0.0619286	0.277657	0.057807	0.483372	0.123212
0.385356	0.618338	0.0630686	0.286193	0.0621336	0.492613	0.136886
0.423764	0.648172	0.0600547	0.300416	0.0563486	0.523379	0.153678
0.466223	0.6902	0.0672015	0.316725	0.0555505	0.554373	0.163932
0.462513	0.735999	0.0793012	0.340048	0.0582307	0.586894	0.172219
0.492188	0.797919	0.0749817	0.364728	0.0570977	0.630933	0.176971
0.539728	0.854376	0.083675	0.39714	0.0698721	0.684925	0.189104
0.593269	0.921618	0.0919713	0.442137	0.074501	0.750045	0.177215
0.681703	0.9799	0.102314	0.494166	0.0845099	0.822689	0.186468
0.711132	1.04959	0.100289	0.547035	0.0953475	0.915648	0.185285
0.806525	1.11515	0.111439	0.601289	0.116908	0.98759	0.196725
0.935542	1.1589	0.121583	0.66275	0.13189	1.06946	0.19213
1.03953	1.20217	0.126275	0.722212	0.13706	1.15412	0.208856
1.10596	1.22799	0.115905	0.771166	0.1417	1.21542	0.185757
1.19798	1.24342	0.125696	0.82157	0.156401	1.27468	0.181972
1.25335	1.23796	0.131843	0.860598	0.170507	1.32341	0.194486
1.26674	1.21076	0.129443	0.874177	0.172768	1.35676	0.180684
1.39346	1.17744	0.128508	0.877073	0.174673	1.35358	0.170946
1.28953	1.13822	0.121773	0.874015	0.169088	1.33169	0.175599
1.2724	1.08245	0.107369	0.848094	0.159512	1.28133	0.170977
1.18677	1.01939	0.0923853	0.816556	0.149724	1.2281	0.145281
1.14523	0.959515	0.0843269	0.768536	0.139898	1.15411	0.145809
1.05906	0.908932	0.0851578	0.721166	0.134635	1.0934	0.132757
1.04951	0.848055	0.0716519	0.673565	0.11972	0.999141	0.116658
0.914169	0.79847	0.0640948	0.607834	0.106081	0.933809	0.120068
0.862519	0.756643	0.058822	0.557092	0.0911928	0.856746	0.0939447
0.833132	0.722452	0.056677	0.513532	0.0893557	0.791585	0.0954774
0.766016	0.692784	0.0554346	0.468541	0.0813546	0.735071	0.0811952
0.697188	0.669286	0.0595939	0.445982	0.0788157	0.702996	0.0703068
0.720437	0.644298	0.0543259	0.407812	0.0688536	0.654694	0.0655283
0.680983	0.627374	0.0498818	0.394423	0.0693227	0.638622	0.0612402
0.699999	0.614612	0.0522305	0.373747	0.0640568	0.61315	0.0634182
0.65339	0.602556	0.0523941	0.360642	0.064085	0.606194	0.0584741
0.676062	0.600437	0.0520977	0.357729	0.0717773	0.606317	0.0499105
0.705047	0.599846	0.0501272	0.348788	0.065604	0.602476	0.0502971
0.745155	0.588492	0.0527778	0.34706	0.0654982	0.602196	0.0581046
0.771886	0.586565	0.0471047	0.346056	0.0611277	0.614942	0.0462526
0.7218	0.585814	0.0557068	0.347696	0.0703055	0.632585	0.0546557
0.860991	0.587189	0.0597443	0.349467	0.0689336	0.625461	0.0593916
0.798548	0.597569	0.0606842	0.349246	0.0687127	0.659119	0.061241
0.870843	0.607401	0.0625854	0.361075	0.0754383	0.670905	0.0648628
0.861564	0.626962	0.0681339	0.365762	0.0732358	0.706396	0.058183

1.07279	0.657798	0.078679	0.368591	0.073338	0.748654	0.0642073
1.1039	0.697703	0.0905234	0.385495	0.0864582	0.802743	0.0766527
1.2166	0.756659	0.101686	0.408111	0.0888236	0.871327	0.0713357
1.3809	0.866712	0.141175	0.437551	0.0976833	0.985489	0.100265
1.66068	1.02118	0.186568	0.474868	0.118689	1.14465	0.099102
2.05264	1.25242	0.251674	0.536511	0.139913	1.40254	0.132939
2.53178	1.58237	0.360383	0.64647	0.186417	1.75713	0.160997
3.53636	2.03715	0.492013	0.795657	0.229813	2.29496	0.214554
4.46693	2.66385	0.697632	1.00131	0.337886	3.08297	0.280945
6.3201	3.50103	0.957707	1.30326	0.436778	4.15416	0.363372
8.80965	4.57599	1.29247	1.73502	0.619932	5.66729	0.504527
12.1371	5.93178	1.7426	2.30481	0.84928	7.68128	0.665466
16.3524	7.55976	2.22774	3.0801	1.15952	10.3583	0.921693
21.7905	9.47848	2.81905	4.07925	1.56075	13.7564	1.28922
28.8871	11.6463	3.47515	5.2999	2.05533	17.9028	1.58111
36.9856	13.9727	4.21035	6.81219	2.64751	22.7908	2.07478
47.2077	16.4544	4.95215	8.53117	3.32292	28.4736	2.62301
59.1444	18.8764	5.77182	10.5238	4.13052	34.8362	3.23421
71.3179	21.1195	6.48406	12.6163	4.96955	41.4284	3.76185
83.9831	23.0558	7.064	14.8104	5.78641	48.3172	4.49601
97.4547	24.5471	7.51067	16.9769	6.66282	54.8546	5.16745
110.626	25.4989	7.75338	19.0446	7.53979	60.7473	5.60481
120.904	25.8543	7.91146	20.8463	8.20873	65.7786	6.08034
130.133	25.5682	7.81083	22.1464	8.72621	69.165	6.51586
136.315	24.5991	7.49717	22.9565	9.09012	71.0412	6.65515
138.065	23.1701	7.03853	23.3481	9.23555	71.1657	6.75469
138.966	21.2308	6.40434	23.0778	9.09575	69.5385	6.66104
134.992	19.0353	5.73417	22.2221	8.78167	66.1697	6.33425
126.999	16.6273	4.9526	20.8848	8.20776	61.3628	5.88699
116.651	14.2027	4.21297	19.1821	7.53238	55.5451	5.30132
105.279	11.8697	3.50348	17.1643	6.73402	49.1532	4.79761
93.0746	9.72116	2.83011	14.9821	5.89349	42.3293	4.09695
80.1195	7.78789	2.24175	12.7585	4.91494	35.5958	3.54082
67.1034	6.13921	1.72404	10.6271	4.12104	29.159	2.85697
55.4222	4.79814	1.30303	8.67006	3.34135	23.3846	2.34296
44.3065	3.72744	0.952541	6.88162	2.61987	18.3032	1.80481
34.868	2.90462	0.690578	5.3681	2.00318	14.0027	1.36465
26.2886	2.27251	0.488293	4.139	1.52361	10.4951	1.04319
20.0783	1.81366	0.338936	3.11617	1.14233	7.71	0.761811
14.6221	1.48735	0.239591	2.32424	0.793567	5.58116	0.536254
10.5904	1.27544	0.173582	1.73918	0.570606	4.0226	0.408542
7.66741	1.12414	0.13498	1.30439	0.401079	2.89151	0.293672
5.49714	1.03835	0.108238	1.00042	0.279016	2.09028	0.193954
3.94747	0.976321	0.0901172	0.781852	0.200022	1.54	0.149505
2.80515	0.937873	0.083513	0.63751	0.157571	1.16088	0.114471
2.17489	0.916148	0.0765444	0.539808	0.114717	0.927858	0.0851394
1.649	0.904194	0.0569866	0.477916	0.0948945	0.78089	0.076989

1.29427	0.894505	0.0642197	0.441993	0.0711823	0.694851	0.0628987
1.00349	0.897566	0.0621366	0.418793	0.0710184	0.620651	0.0593832
0.895768	0.900136	0.0602234	0.402385	0.0677591	0.591155	0.0583691
0.87032	0.900759	0.0661016	0.392083	0.0629876	0.568316	0.0613838
0.799799	0.903414	0.0649131	0.400862	0.0656671	0.554124	0.0594834
0.678094	0.901297	0.0616461	0.391317	0.0631244	0.554327	0.0584392
0.73876	0.895774	0.0636004	0.39223	0.0586558	0.558583	0.0616487
0.639922	0.904017	0.0560937	0.395822	0.0622388	0.556957	0.0537569
0.660904	0.901494	0.0541111	0.397833	0.0560699	0.565074	0.0651751
0.655779	0.902366	0.0586835	0.399483	0.0538525	0.556466	0.0638433
0.688612	0.900071	0.0569755	0.395695	0.0524721	0.565074	0.0561913
0.650905	0.909005	0.0545434	0.402432	0.0516957	0.564914	0.0497883
0.68014	0.913881	0.0647529	0.406857	0.0597635	0.582316	0.0595777
0.658876	0.919766	0.0629884	0.408013	0.0484858	0.587877	0.0623491
0.712528	0.925793	0.0574715	0.413483	0.0513401	0.594169	0.0585457
0.683407	0.930172	0.0558305	0.413092	0.053007	0.608881	0.0565344
0.662523	0.931478	0.0548824	0.422527	0.0581017	0.622013	0.0665531
0.678849	0.94037	0.0568321	0.425647	0.0575544	0.636475	0.054245
0.72128	0.95215	0.0566033	0.431182	0.0624174	0.654052	0.0611873
0.6796	0.963955	0.0585311	0.432918	0.061006	0.674666	0.0536096
0.692431	0.979753	0.0621035	0.452505	0.0629322	0.701624	0.0616244
0.699198	1.00602	0.0662468	0.464769	0.0674404	0.741003	0.0590997
0.821349	1.04252	0.070192	0.478107	0.0627917	0.780586	0.0652913
0.883137	1.09222	0.084643	0.494707	0.0787425	0.847045	0.0583353
0.925422	1.14833	0.0974181	0.519052	0.0897336	0.93253	0.066181
1.02588	1.22942	0.127416	0.543535	0.0961227	1.0329	0.0780081
1.24048	1.33472	0.163615	0.583569	0.110882	1.17995	0.1021
1.49935	1.46551	0.194428	0.635088	0.132187	1.36194	0.100436
1.71006	1.63386	0.255027	0.715766	0.160044	1.61191	0.136446
2.01291	1.83938	0.309244	0.809912	0.182438	1.91788	0.148003
2.60598	2.08404	0.364174	0.915296	0.235449	2.31792	0.185028
3.19752	2.36493	0.451597	1.0694	0.306281	2.83008	0.22104
3.93239	2.66594	0.545963	1.26351	0.375878	3.40534	0.276986
4.91553	3.02033	0.644584	1.47093	0.464496	4.12168	0.318378
5.78639	3.34411	0.764117	1.72691	0.55219	4.94186	0.416006
7.06943	3.70127	0.84405	2.00945	0.663663	5.81256	0.467385
8.31663	4.03312	0.954305	2.3183	0.787632	6.7619	0.558242
9.74184	4.31326	1.02293	2.63361	0.910561	7.76362	0.645602
11.0604	4.52578	1.10188	2.9633	1.03108	8.71861	0.699105
12.7199	4.71424	1.14075	3.254	1.18213	9.57618	0.802721
13.4995	4.80004	1.15543	3.53592	1.29794	10.3446	0.842044
15.0982	4.77845	1.16559	3.76439	1.34158	10.9441	0.910437
15.7835	4.6669	1.1298	3.90017	1.40019	11.3124	0.968173
16.0888	4.46015	1.05861	4.01099	1.43491	11.4354	0.954964
16.4338	4.1955	0.981635	4.0052	1.46994	11.3345	0.998023
16.1014	3.89265	0.894877	3.90518	1.42075	10.9486	0.936274
15.4019	3.56098	0.802957	3.77826	1.36024	10.3709	0.919485

14.6984	3.20116	0.699196	3.53551	1.27609	9.61624	0.807514
13.4855	2.84631	0.584551	3.2669	1.15037	8.69913	0.759821
12.2525	2.51239	0.492747	2.97313	1.03343	7.71246	0.707605
10.6962	2.19546	0.397253	2.63698	0.906695	6.73259	0.573564
9.43463	1.92101	0.312251	2.29946	0.771784	5.73654	0.507073
7.91218	1.67941	0.239867	1.98439	0.657942	4.7837	0.422057
6.50159	1.49125	0.180481	1.6825	0.515246	3.9269	0.358698
5.34666	1.34136	0.142546	1.42162	0.420169	3.17792	0.271479
4.11664	1.21589	0.113558	1.20454	0.339327	2.54614	0.2147
3.33296	1.12884	0.0819461	0.995894	0.25411	2.00722	0.171975
2.52625	1.06885	0.0730541	0.855646	0.201135	1.59158	0.142571
1.95669	1.02131	0.0728794	0.712081	0.145533	1.2642	0.110309
1.4565	0.997908	0.0645688	0.629883	0.111501	1.00531	0.0844182
1.11662	0.982817	0.0511274	0.563451	0.091212	0.821789	0.068581
0.824799	0.987425	0.0510307	0.509201	0.0789942	0.677769	0.0486258
0.624661	0.998873	0.0539311	0.474253	0.0586258	0.590268	0.0528097
0.485432	1.0114	0.0639671	0.448888	0.052324	0.514516	0.0419877
0.360759	1.03813	0.0641015	0.439285	0.0619266	0.470005	0.0337875
0.295291	1.06783	0.0669633	0.435349	0.0497591	0.440696	0.0389016
0.231438	1.09326	0.0741798	0.436853	0.0579241	0.424193	0.0387495
0.219043	1.12441	0.0787399	0.431503	0.0536226	0.415522	0.0332388
0.178611	1.15247	0.0737908	0.446256	0.0580101	0.408429	0.032897
0.179137	1.18329	0.0852458	0.45702	0.0619345	0.401088	0.0321218
0.181837	1.19932	0.0893441	0.465619	0.0653782	0.394602	0.037129
0.163251	1.21654	0.0886371	0.472622	0.0658093	0.404341	0.0328114
0.154999	1.22481	0.089394	0.479139	0.0757418	0.408361	0.0323227
0.17943	1.2238	0.090029	0.490562	0.0705054	0.418966	0.03505
0.177925	1.22328	0.0906855	0.498674	0.0774615	0.42114	0.0343264
0.210087	1.20405	0.0879674	0.515604	0.0752039	0.435291	0.0375256
0.21379	1.18783	0.0734355	0.51103	0.0859726	0.447773	0.0351021
0.246172	1.18295	0.0763366	0.518058	0.0775389	0.460986	0.0427404
0.259319	1.16188	0.0732436	0.513151	0.0778294	0.473506	0.0346694
0.286466	1.13895	0.066399	0.520118	0.064821	0.481906	0.0419616
0.300574	1.11047	0.0648459	0.517772	0.0721642	0.498333	0.0409041
0.32333	1.08857	0.0608382	0.515713	0.0769016	0.507576	0.0449691
0.336652	1.06631	0.0536377	0.510321	0.0686841	0.511766	0.0368668
0.386705	1.03951	0.0562582	0.512242	0.0708935	0.529377	0.0327129
0.406718	1.02039	0.0625783	0.503202	0.0722087	0.530136	0.0475164
0.419256	1.01097	0.0535226	0.500363	0.0633363	0.536228	0.0396697
0.371615	0.988862	0.0550076	0.494616	0.0617128	0.536842	0.0517814
0.375552	0.970465	0.0592776	0.48856	0.0641572	0.541704	0.0426934
0.380761	0.96191	0.0579486	0.483249	0.0679359	0.541783	0.0446009
0.366281	0.959218	0.0624579	0.468943	0.0617193	0.529335	0.049887
0.310866	0.958338	0.0625162	0.467741	0.0528721	0.526645	0.0553571
0.293787	0.949807	0.0628559	0.466197	0.0646975	0.51284	0.0495861
0.265387	0.947241	0.0619349	0.454895	0.0667171	0.518314	0.0635861
0.263664	0.949563	0.0597253	0.455649	0.0590531	0.510994	0.0600625

0.239323	0.949586	0.0601531	0.446184	0.0529012	0.501009	0.0676795
0.20151	0.952886	0.0523668	0.438833	0.0605439	0.494602	0.0704392
0.182293	0.958173	0.0491987	0.448904	0.0682066	0.483002	0.0837324
0.177616	0.96749	0.0616882	0.452047	0.0673244	0.490085	0.0813358
0.154393	0.969837	0.0636359	0.448615	0.0609147	0.487985	0.0845174
0.154072	0.97998	0.0649936	0.448209	0.0579059	0.482122	0.0796312
0.114836	0.974893	0.0555938	0.447372	0.0600655	0.481405	0.0875627
0.119183	0.977131	0.0562559	0.460188	0.0577207	0.48212	0.088649
0.124637	0.970829	0.0569205	0.455004	0.0604347	0.490327	0.08562
0.0990258	0.973648	0.0530231	0.46204	0.057163	0.481442	0.0833675
0.105388	0.973507	0.0510112	0.459646	0.0633873	0.478934	0.0706467
0.107512	0.955779	0.0536249	0.459404	0.0709501	0.486386	0.0715792
0.114997	0.950234	0.0594816	0.465048	0.0635551	0.492191	0.0722369
0.119884	0.946964	0.0632066	0.464595	0.0576193	0.488654	0.0706703
0.107877	0.945337	0.0545257	0.458018	0.0587977	0.480985	0.0767619
0.112351	0.947586	0.0517848	0.463312	0.0647178	0.489826	0.0618618
0.106332	0.942309	0.0543078	0.466665	0.0677396	0.489605	0.0659927
0.11404	0.943077	0.0473838	0.4647	0.0706412	0.48942	0.0530158
0.105791	0.946353	0.0541303	0.465523	0.0623014	0.489369	0.0664286
0.116616	0.928581	0.0557196	0.465494	0.0642478	0.485123	0.0481439
0.107601	0.926796	0.0625468	0.459797	0.0618275	0.482991	0.0516537
0.104479	0.928612	0.0510837	0.460955	0.0600459	0.48634	0.0484477
0.110972	0.917202	0.052172	0.458044	0.0594642	0.477237	0.0427297
0.0856878	0.910616	0.0553309	0.457272	0.0659642	0.48239	0.0440347
0.0966248	0.913599	0.0599032	0.461546	0.066204	0.489949	0.043745
0.109693	0.903571	0.0536792	0.453005	0.058198	0.494954	0.0375638
0.105158	0.891733	0.0574151	0.444533	0.0576705	0.48172	0.0390412
0.111329	0.887036	0.0518489	0.441326	0.0599543	0.490259	0.0428678
0.103886	0.884104	0.0459089	0.451184	0.0635569	0.483441	0.0366457
0.107036	0.891436	0.0570807	0.444151	0.0642872	0.494367	0.0386191
0.0975881	0.89357	0.0508015	0.450207	0.0605744	0.484012	0.0363178
0.0956286	0.893497	0.0529496	0.442195	0.0577774	0.496061	0.0394199
0.114313	0.889824	0.0552349	0.445829	0.0605803	0.492909	0.0344918
0.140166	0.891016	0.0523136	0.447144	0.0488557	0.489592	0.0379214
0.121139	0.899487	0.0506571	0.45543	0.0543712	0.490277	0.0364788
0.100607	0.904651	0.0577001	0.446332	0.0534447	0.493947	0.040404
0.140177	0.902841	0.0433651	0.45942	0.0464325	0.507118	0.0405272
0.139595	0.903527	0.0520583	0.452295	0.0469341	0.509601	0.0269612
0.130291	0.908797	0.0487619	0.457698	0.0573051	0.517932	0.0372214
0.141934	0.923197	0.0436261	0.466695	0.0467316	0.529321	0.0449686
0.168186	0.92241	0.0556714	0.465329	0.0478154	0.536827	0.0488036
0.161584	0.925891	0.0477818	0.474809	0.0530765	0.546774	0.0400659
0.183394	0.935068	0.0483851	0.475908	0.0536258	0.554946	0.0431185
0.185237	0.942821	0.0468763	0.475854	0.0470964	0.576167	0.0407528
0.211069	0.93519	0.0479648	0.483879	0.0546683	0.58023	0.040752
0.212701	0.938114	0.0465401	0.489424	0.054454	0.579291	0.0462271
0.211772	0.942098	0.0480756	0.493763	0.0599562	0.588157	0.0479928



0.21523	0.944767	0.0452953	0.501153	0.0558547	0.59655	0.0452477
0.267783	0.951486	0.0429054	0.493337	0.059477	0.606089	0.0512384
0.217568	0.944481	0.0395433	0.494171	0.0573739	0.606887	0.0473102
0.263352	0.953397	0.0535906	0.495938	0.0601603	0.599401	0.0465667
0.241577	0.955098	0.0523374	0.496272	0.0606185	0.599404	0.0428862
0.240196	0.950016	0.0439409	0.499254	0.0640947	0.600043	0.044774
0.267886	0.949683	0.0435456	0.49497	0.0612241	0.592889	0.0445035
0.248756	0.949833	0.0516228	0.488585	0.0661872	0.590607	0.0488613
0.232097	0.944505	0.0519528	0.485656	0.0554956	0.576749	0.0370544
0.227129	0.948604	0.0514881	0.482907	0.0573227	0.581052	0.0300366
0.231706	0.951507	0.0494571	0.478094	0.0502083	0.563997	0.0406183
0.226277	0.956868	0.0479285	0.483469	0.0547166	0.564382	0.0426423
0.227101	0.965098	0.0479768	0.477143	0.0430273	0.563623	0.0360813
0.198007	0.971804	0.0439043	0.482603	0.0576218	0.556934	0.0355999
0.195566	0.975183	0.0477251	0.475274	0.058077	0.552871	0.0316167
0.174351	0.976961	0.0472091	0.477585	0.0549095	0.548699	0.0385979
0.184482	0.990757	0.0517089	0.474406	0.0541867	0.553451	0.0410961
0.177815	0.997215	0.0470506	0.482161	0.0569496	0.557962	0.0464594
0.172905	1.00435	0.0533798	0.475933	0.050881	0.55086	0.0422359
0.177777	1.02075	0.049827	0.487059	0.0539117	0.553285	0.0366171
0.157701	1.02977	0.0560179	0.482865	0.050365	0.556171	0.0463488
0.153105	1.02999	0.0580947	0.480144	0.0524789	0.555309	0.0401321
0.149825	1.04374	0.0604038	0.486208	0.0510979	0.569942	0.0328322
0.149388	1.0555	0.0604657	0.490277	0.0569969	0.558293	0.0452767
0.100961	1.06701	0.0484581	0.497849	0.046848	0.577966	0.044881
0.139985	1.07781	0.0631206	0.492121	0.0500057	0.575338	0.0484218
0.125408	1.08914	0.0645734	0.502941	0.0560674	0.573061	0.0462462
0.115112	1.08802	0.0582639	0.506949	0.0615067	0.585705	0.0463827
0.136573	1.10534	0.0625755	0.507747	0.0545955	0.583235	0.0474614
0.116914	1.1255	0.0659912	0.508599	0.0519391	0.585858	0.0443639
0.11968	1.13141	0.0731253	0.508392	0.056983	0.597228	0.04645
0.0953681	1.15162	0.0750047	0.521514	0.0588211	0.589419	0.0525044
0.0993864	1.15232	0.0746848	0.518647	0.0597634	0.606957	0.0450545
0.113893	1.1551	0.080002	0.519956	0.0590579	0.60267	0.0430324
0.102234	1.16983	0.0894533	0.528839	0.0651164	0.613281	0.0546689
0.100125	1.1893	0.0852721	0.53174	0.0630769	0.614482	0.0416395
0.104779	1.20651	0.0823271	0.541744	0.0714383	0.623381	0.0502625
0.113182	1.22277	0.0951548	0.544519	0.0574875	0.611587	0.0518808
0.120008	1.22776	0.0909103	0.549907	0.0615972	0.638781	0.0475032
0.101536	1.23816	0.0878654	0.557596	0.0746422	0.629826	0.0489991
0.106209	1.25158	0.0949434	0.554834	0.0691966	0.642675	0.0435933
0.101772	1.26659	0.0989945	0.563054	0.0640514	0.634114	0.0480808
0.111063	1.28313	0.0966303	0.579214	0.0812915	0.65394	0.0486887
0.106265	1.29427	0.0978902	0.565969	0.064758	0.659959	0.0510101
0.112765	1.31188	0.0906657	0.58448	0.0767114	0.668679	0.0457487
0.109546	1.33123	0.0944289	0.585387	0.0714786	0.683328	0.0597014
0.0959754	1.35646	0.0914292	0.600997	0.0757611	0.696263	0.0587796

0.0986272	1.37365	0.109913	0.605784	0.0797692	0.716389	0.0434225
0.111244	1.3956	0.108055	0.616379	0.0752908	0.733399	0.0556829
0.109576	1.40873	0.0998991	0.630181	0.0825142	0.762234	0.0530671
0.124514	1.42707	0.0931185	0.637595	0.0775188	0.778369	0.0474859
0.132466	1.4497	0.105576	0.648717	0.0797071	0.814543	0.0453475
0.107465	1.46131	0.104742	0.66565	0.0855513	0.83898	0.0536224
0.121345	1.48402	0.0865545	0.672157	0.0800394	0.869035	0.0500474
0.121525	1.50007	0.0974198	0.685074	0.075741	0.902035	0.0468661
0.0974662	1.51212	0.0981638	0.699254	0.0932091	0.931838	0.0694084
0.0997277	1.50593	0.0932069	0.717821	0.088717	0.951119	0.0699575
0.106369	1.51957	0.0903157	0.736347	0.0786742	0.975344	0.062439
0.125371	1.53356	0.082873	0.738861	0.0776036	0.978991	0.0607615
0.107215	1.52073	0.0870462	0.745118	0.0820754	1.00295	0.0673997
0.102887	1.51985	0.087795	0.745417	0.0790102	0.997341	0.058588
0.116002	1.51104	0.078524	0.754793	0.0895043	0.99607	0.0716464
0.119942	1.4991	0.0797169	0.745091	0.087418	0.981326	0.0670539
0.110054	1.50127	0.0802391	0.746429	0.0861003	0.977253	0.0702543
0.121189	1.48776	0.0764272	0.752824	0.088283	0.946736	0.0594436
0.127786	1.49568	0.0691331	0.737617	0.0884952	0.93141	0.0547967
0.10163	1.47986	0.0685322	0.736386	0.0845716	0.910098	0.066991
0.131457	1.46264	0.0782369	0.725901	0.078551	0.87532	0.06174
0.129522	1.46254	0.077536	0.727076	0.0765138	0.856714	0.0592957
0.116715	1.46593	0.0791023	0.707497	0.0745259	0.828916	0.0607172
0.119186	1.45548	0.0806012	0.707354	0.0748536	0.810036	0.0602629
0.119706	1.45712	0.0780898	0.698242	0.0738303	0.805187	0.0619163
0.127488	1.45464	0.0839931	0.692975	0.0834936	0.788724	0.0522901
0.12951	1.44791	0.0791638	0.676699	0.0740966	0.769893	0.0577744
0.111333	1.45126	0.0806122	0.687694	0.0766131	0.759177	0.0496366
0.115274	1.4638	0.0789038	0.682268	0.06378	0.749593	0.057582
0.130557	1.45484	0.0757527	0.67995	0.0740189	0.744677	0.0576745
0.130787	1.46027	0.0947016	0.681228	0.0748137	0.730918	0.0543545
0.115063	1.45879	0.0848792	0.673913	0.0688411	0.728116	0.0540607
0.129937	1.45405	0.0709876	0.678709	0.0565981	0.741078	0.0573711
0.133075	1.46412	0.0946729	0.686596	0.0662865	0.735098	0.0564154
0.122555	1.46872	0.0932926	0.687669	0.0627953	0.741219	0.0485724
0.140359	1.4625	0.0834404	0.682345	0.0592416	0.733568	0.057408
0.110717	1.46182	0.0977664	0.676928	0.0611871	0.726604	0.050198
0.103571	1.47381	0.0893253	0.692047	0.0664222	0.724592	0.0580498
0.129624	1.45664	0.0811133	0.685647	0.0565706	0.732702	0.0477554
0.144031	1.4662	0.0858918	0.688029	0.0534326	0.731253	0.0488882
0.112192	1.45196	0.0859922	0.684497	0.0489543	0.7269	0.0529937
0.12518	1.45174	0.0820036	0.691247	0.0594911	0.738753	0.0366997
0.130511	1.46747	0.0992565	0.680406	0.0654076	0.73133	0.0530785
0.118723	1.45933	0.0762015	0.678487	0.0612776	0.729637	0.0426805
0.11636	1.46283	0.0781547	0.67693	0.0555937	0.723904	0.0498202
0.131096	1.44634	0.082724	0.681393	0.0522278	0.723105	0.0517714
0.143549	1.44201	0.0858348	0.687733	0.0526539	0.714817	0.0467929

0.136276	1.45242	0.0873006	0.689451	0.0521975	0.731521	0.0462185
0.126007	1.44528	0.084596	0.690703	0.0574705	0.715024	0.0420244
0.130741	1.43918	0.0824084	0.687913	0.0530957	0.72331	0.044195
0.139856	1.43417	0.0926384	0.677398	0.0538715	0.715612	0.0427187
0.126269	1.43607	0.0948336	0.674555	0.0594002	0.706387	0.0529919
0.149448	1.43897	0.0835318	0.687769	0.0597779	0.69702	0.0447088
0.148618	1.43942	0.0840978	0.682086	0.0590175	0.707963	0.0405342
0.176727	1.44247	0.0878757	0.680799	0.049923	0.704263	0.0417453
0.157729	1.43168	0.0868608	0.673746	0.0647753	0.705942	0.0396809
0.140273	1.42993	0.0837346	0.67168	0.0566203	0.716826	0.0362717
0.145458	1.43225	0.0846835	0.680466	0.0568194	0.708044	0.0383841
0.157558	1.42493	0.0844184	0.675313	0.058188	0.702459	0.0487179
0.149854	1.43644	0.0897241	0.680962	0.0565477	0.697253	0.0385034
0.177615	1.42284	0.0805134	0.674271	0.0538832	0.715939	0.0350569
0.161862	1.428	0.0791623	0.676304	0.0578812	0.706813	0.0392494
0.148426	1.4341	0.0826446	0.680857	0.0633094	0.706298	0.0384029
0.178968	1.42731	0.0904582	0.675371	0.049972	0.723015	0.0455593
0.175119	1.42123	0.0813506	0.671137	0.0564534	0.720855	0.0403153
0.169396	1.42402	0.0761734	0.679774	0.0531446	0.722385	0.0356037
0.178347	1.43277	0.0802456	0.666996	0.0553267	0.724746	0.0381882
0.156199	1.43029	0.0776472	0.674625	0.0606538	0.722913	0.0371799
0.149483	1.43258	0.0740146	0.679693	0.0592796	0.726121	0.0412048
0.153729	1.42644	0.0760987	0.683367	0.064441	0.745147	0.0393016
0.148997	1.42871	0.0804492	0.678533	0.0530732	0.738521	0.0434697
0.147587	1.43095	0.0898775	0.683492	0.0607816	0.749332	0.0449964
0.153141	1.42735	0.0733113	0.672703	0.0527252	0.74742	0.0384829
0.13044	1.43407	0.0822363	0.666256	0.0661105	0.758117	0.0426639
0.1327	1.43051	0.0703865	0.678221	0.0566225	0.763687	0.0439412
0.143774	1.42891	0.0738019	0.68928	0.0569503	0.75394	0.0444991
0.160439	1.42771	0.0750869	0.683008	0.0570962	0.755614	0.0322368
0.140228	1.42443	0.0743853	0.6862	0.0564705	0.742444	0.0479825
0.128434	1.421	0.064614	0.674476	0.0592512	0.75518	0.0360921
0.132323	1.41954	0.0602367	0.677305	0.0547401	0.753817	0.0426651
0.139347	1.42117	0.0639833	0.679967	0.0559991	0.748533	0.0390675
0.151528	1.43177	0.0715197	0.682718	0.0623105	0.745884	0.037312
0.137552	1.42573	0.0761374	0.683741	0.0482168	0.752362	0.0338552
0.148017	1.42565	0.0755555	0.675258	0.0495927	0.739711	0.0445456
0.126374	1.42398	0.0627133	0.677397	0.0512878	0.74545	0.0421443
0.131907	1.42435	0.0747298	0.684295	0.0660261	0.737237	0.0358137
0.124387	1.4239	0.0723194	0.682904	0.047258	0.736862	0.0375312
0.113901	1.43056	0.0707082	0.68522	0.0495224	0.728491	0.0494707
0.106511	1.43785	0.0728798	0.681095	0.0590283	0.735471	0.0364231
0.100003	1.43852	0.0726106	0.691886	0.0540961	0.744929	0.0349661
0.113532	1.43773	0.0664133	0.689904	0.0525229	0.738242	0.0434046
0.115479	1.44136	0.0591987	0.688596	0.0486318	0.745958	0.0407946
0.0973816	1.43503	0.066186	0.688698	0.0573378	0.74937	0.0488894
0.116596	1.44782	0.0673478	0.693072	0.0527958	0.742546	0.0436018

0.12733	1.46201	0.064085	0.701945	0.0493321	0.752577	0.0503197
0.103567	1.45823	0.073576	0.70256	0.0553229	0.759288	0.0411441
0.114731	1.46066	0.0518151	0.699135	0.0527816	0.76338	0.0416992
0.0864103	1.46554	0.0577179	0.706642	0.0553796	0.755107	0.0366157
0.102652	1.47524	0.0619933	0.70869	0.0532072	0.771793	0.0483243
0.110633	1.49206	0.0765503	0.710195	0.0557015	0.777158	0.0490705
0.108219	1.50115	0.0740523	0.724573	0.0514681	0.790668	0.0249848
0.0929882	1.49985	0.0736347	0.721568	0.0577958	0.789826	0.0467696
0.107978	1.50052	0.0613065	0.709895	0.0503488	0.795873	0.042744
0.0921147	1.5048	0.0565175	0.725835	0.059349	0.797704	0.0501656
0.109468	1.5107	0.0673994	0.728825	0.0576603	0.793442	0.0486732
0.0997048	1.5126	0.0724425	0.728089	0.0557355	0.815747	0.0361851
0.101014	1.51108	0.0677963	0.72819	0.0564205	0.810566	0.0509148
0.0949478	1.52205	0.0771082	0.724842	0.0529003	0.807529	0.0470599
0.124819	1.52687	0.081972	0.734444	0.056922	0.814768	0.0392135
0.114417	1.52307	0.0782438	0.729813	0.0568382	0.813457	0.042182
0.105116	1.53602	0.0827066	0.747336	0.0519527	0.814479	0.0383847
0.13312	1.53975	0.0826963	0.748136	0.0631964	0.810587	0.0491775
0.105803	1.54167	0.0769634	0.739059	0.0575539	0.812804	0.0396101
0.141253	1.54945	0.081095	0.746509	0.0661577	0.812312	0.0389265
0.119535	1.54151	0.0802948	0.744183	0.0691603	0.804545	0.0519286
0.126789	1.5529	0.0767267	0.739053	0.0626825	0.801772	0.042699
0.127347	1.55556	0.0695443	0.755672	0.0631265	0.812699	0.047273
0.133267	1.55205	0.0736161	0.743988	0.0629309	0.81481	0.0440766
0.118152	1.54619	0.07579	0.754696	0.0581053	0.803433	0.0438268
0.138595	1.55032	0.0696044	0.754305	0.0597397	0.801877	0.0475628
0.133465	1.55694	0.0637263	0.750389	0.0640989	0.797165	0.0493592
0.128714	1.55885	0.0688473	0.752321	0.063207	0.793631	0.045193
0.126074	1.55541	0.0702426	0.749311	0.0587598	0.801961	0.0436202
0.125741	1.55698	0.0640503	0.754446	0.0554944	0.799126	0.055086
0.140655	1.55154	0.0623909	0.752119	0.0655757	0.801564	0.0424261
0.127346	1.56089	0.0733978	0.749856	0.0666222	0.800035	0.0363693
0.129572	1.56661	0.0684013	0.759447	0.0644025	0.801081	0.0442136
0.119106	1.56384	0.0745823	0.759052	0.0639786	0.791772	0.0613219
0.124878	1.56047	0.0789593	0.76074	0.0654077	0.796291	0.0487655
0.120441	1.56229	0.0577207	0.756411	0.0605393	0.790899	0.0492933
0.120574	1.56481	0.0613023	0.75915	0.0538275	0.800428	0.0615938
0.110327	1.57068	0.0702538	0.761205	0.0597949	0.800733	0.0340748
0.125751	1.57142	0.0695562	0.763558	0.0704736	0.806813	0.0513196
0.116677	1.57608	0.0592985	0.757293	0.0562213	0.805177	0.0534771
0.0997382	1.58083	0.0669258	0.763829	0.0583867	0.802575	0.057773
0.112855	1.5721	0.0707836	0.766819	0.062463	0.797343	0.0462066
0.0964331	1.57163	0.0705061	0.768036	0.0559786	0.807705	0.0461591
0.120216	1.57596	0.0726533	0.75997	0.0598332	0.798517	0.0474374
0.0954949	1.57909	0.0770238	0.781376	0.0550849	0.803479	0.0445884
0.11373	1.57918	0.0786322	0.778394	0.0620065	0.808577	0.0468623
0.0996956	1.56716	0.0721334	0.769866	0.0529928	0.798053	0.043234

0.104135	1.56763	0.064515	0.779272	0.0519322	0.801878	0.0461123
0.122797	1.56109	0.0689022	0.780185	0.0637278	0.807569	0.0451369
0.130519	1.57561	0.0771475	0.788644	0.0664932	0.806562	0.0490311
0.12435	1.57767	0.0680973	0.777092	0.0500322	0.803807	0.0412602
0.110387	1.57506	0.0582271	0.786307	0.048273	0.7974	0.0400097
0.107734	1.57339	0.0658025	0.794014	0.0580038	0.794778	0.0465919
0.120612	1.57794	0.0636144	0.79036	0.0565468	0.802918	0.0450892
0.136106	1.57751	0.0662865	0.79721	0.0677277	0.806416	0.0410566
0.11363	1.58694	0.0732274	0.801145	0.053955	0.802711	0.0465478
0.123941	1.57748	0.0717567	0.809603	0.0646253	0.807226	0.0501288
0.142552	1.58299	0.0706363	0.805598	0.0612991	0.806218	0.0409289
0.118101	1.58174	0.0585242	0.818462	0.0719463	0.805016	0.0496787
0.15518	1.58502	0.0587863	0.818702	0.0603227	0.807084	0.0386712
0.160735	1.58493	0.071372	0.830341	0.0655625	0.808609	0.038869
0.147355	1.59009	0.0717941	0.824689	0.069106	0.80424	0.0401795
0.136205	1.58796	0.0698703	0.830984	0.070482	0.808446	0.0491096
0.127383	1.57521	0.0783181	0.824256	0.071608	0.80423	0.039639
0.140695	1.56836	0.0732019	0.822285	0.0707647	0.799663	0.0424809
0.154621	1.56857	0.0690545	0.828928	0.0536488	0.81345	0.0494668
0.145037	1.56341	0.068504	0.831632	0.075699	0.800727	0.0432205
0.139299	1.5549	0.0649954	0.821443	0.065727	0.803284	0.0463589
0.156506	1.57361	0.076402	0.829545	0.0597551	0.802543	0.0419754
0.118228	1.56426	0.0695018	0.814159	0.0749875	0.805624	0.0472321
0.166047	1.56258	0.0655978	0.807905	0.0682965	0.790529	0.0390317
0.129375	1.55306	0.0681627	0.805571	0.0529738	0.794593	0.0492651
0.128036	1.55747	0.0533595	0.802881	0.0661912	0.798747	0.0382495
0.153714	1.55044	0.0567079	0.78638	0.0572224	0.803587	0.0590674
0.136165	1.55177	0.0594334	0.788948	0.0588802	0.792952	0.0479382
0.130034	1.5511	0.0594069	0.799351	0.0520464	0.803411	0.0463048
0.120909	1.54476	0.0647086	0.780732	0.0497616	0.797103	0.0429976
0.121381	1.54006	0.0723961	0.796192	0.0523929	0.805882	0.0503047
0.122273	1.54432	0.0712991	0.781112	0.0511034	0.800564	0.0374798
0.116813	1.53103	0.0677252	0.781111	0.0421346	0.795236	0.0468855
0.121112	1.53726	0.0651253	0.767379	0.0506091	0.790283	0.0436326
0.107763	1.53675	0.0654749	0.767135	0.0460797	0.791099	0.0462539
0.0930421	1.53696	0.0667607	0.763834	0.0415229	0.79101	0.037477
0.128549	1.53587	0.0634537	0.779912	0.0491864	0.78892	0.0345875
0.108321	1.53982	0.0550708	0.781744	0.0422293	0.776443	0.0395642
0.115789	1.53355	0.0654397	0.764008	0.0463258	0.799896	0.0520658
0.133302	1.52896	0.0613919	0.777059	0.0389091	0.797168	0.045362
0.109531	1.5335	0.0576506	0.768997	0.0425294	0.789252	0.0458159
0.101351	1.53498	0.0557406	0.777057	0.0447304	0.779545	0.0417192
0.12186	1.53502	0.0617743	0.770315	0.0480907	0.798378	0.0417272
0.127702	1.53488	0.0604936	0.771572	0.0489533	0.791945	0.0410373
0.12629	1.53853	0.0555329	0.765965	0.0484983	0.780523	0.0374345
0.121473	1.53337	0.0666688	0.766403	0.0452696	0.793591	0.0415964
0.117611	1.53945	0.0588993	0.771906	0.0488304	0.783305	0.0399279

0.134219	1.53108	0.0667765	0.763935	0.0523155	0.785684	0.0445043
0.134347	1.52848	0.0701449	0.769154	0.0435145	0.80099	0.0461264
0.125737	1.54123	0.0624605	0.772706	0.0464552	0.793613	0.0459674
0.0937242	1.5386	0.0581081	0.778956	0.0550613	0.811638	0.0466851
0.107025	1.53422	0.0558564	0.778468	0.0635104	0.802683	0.0372577
0.102598	1.53267	0.0518984	0.777767	0.0522141	0.811126	0.0515974
0.124164	1.532	0.0609812	0.775592	0.0492324	0.813369	0.0538791
0.113545	1.53864	0.0635382	0.792342	0.0571504	0.822516	0.050985
0.0962854	1.52811	0.0605505	0.780608	0.0580237	0.823679	0.0382978
0.0916729	1.5312	0.0654952	0.782932	0.0491395	0.820683	0.0472139
0.122175	1.52481	0.0703936	0.782882	0.0525794	0.834329	0.0486966
0.119316	1.53179	0.0608043	0.787682	0.0552238	0.838448	0.0552162
0.108993	1.53094	0.0643771	0.791934	0.0524261	0.836264	0.0475845
0.122923	1.53292	0.0561144	0.793335	0.0630411	0.83189	0.0424029
0.126043	1.53059	0.0593528	0.791985	0.0656933	0.840648	0.0534698
0.117316	1.52673	0.0678479	0.797435	0.0629854	0.841905	0.0488257
0.0966087	1.5197	0.0673275	0.798116	0.0680535	0.846002	0.0545543
0.111149	1.51803	0.0700699	0.790168	0.0661879	0.824411	0.0635993
0.117772	1.50372	0.0607611	0.793897	0.060715	0.849549	0.0600047
0.117138	1.50433	0.0510343	0.796367	0.0632465	0.836271	0.0531544
0.102703	1.50482	0.0547119	0.782362	0.0533161	0.829873	0.0651703
0.119977	1.5075	0.061281	0.777732	0.0595509	0.824838	0.0545876
0.105531	1.50015	0.0587242	0.776193	0.0529735	0.824902	0.0551116
0.126841	1.49402	0.0558405	0.773407	0.0636627	0.805467	0.056041
0.116562	1.49149	0.0517557	0.770556	0.0578345	0.797621	0.0499634
0.111971	1.49072	0.0596235	0.767164	0.0475061	0.801479	0.0592235
0.109037	1.48207	0.0596705	0.758278	0.0498877	0.794264	0.0599751
0.104749	1.49471	0.0559577	0.763949	0.0481993	0.779729	0.0542444
0.109255	1.48922	0.0521746	0.757874	0.0414251	0.77721	0.0485145
0.11438	1.48055	0.047977	0.753478	0.0453979	0.781762	0.0607356
0.0945218	1.47757	0.0621726	0.748391	0.0484535	0.771867	0.0477799
0.10174	1.4862	0.062023	0.75371	0.0499029	0.761806	0.0504145
0.107972	1.47955	0.0602048	0.744635	0.0568326	0.764948	0.0422283
0.123813	1.46933	0.0607988	0.752556	0.0496103	0.756094	0.0409968
0.0952014	1.46772	0.0541214	0.756894	0.0556572	0.763287	0.0471034
0.135145	1.46862	0.0547373	0.74769	0.0519924	0.753339	0.0411459
0.103407	1.46153	0.0588223	0.746542	0.054731	0.753225	0.0422874
0.107641	1.47377	0.0507262	0.739047	0.0503094	0.760197	0.0576463
0.118156	1.48108	0.0490915	0.736207	0.051418	0.760412	0.0445954
0.0897647	1.46726	0.0548435	0.744451	0.0524598	0.760693	0.0371283
0.109571	1.44943	0.0502261	0.741	0.0580138	0.741443	0.0387979
0.117554	1.45583	0.0599534	0.740248	0.0566227	0.755355	0.0435005
0.104986	1.46923	0.059348	0.734245	0.0505046	0.745192	0.0413415
0.119706	1.46739	0.0600514	0.738171	0.0551344	0.747067	0.0438906
0.100902	1.46567	0.0590657	0.739293	0.0547999	0.746533	0.0405718
0.116636	1.45815	0.0585188	0.742295	0.0559217	0.746096	0.0447626
0.116317	1.44938	0.0560432	0.738646	0.0473141	0.752568	0.0391208

0.114914	1.45371	0.0545629	0.732818	0.0504899	0.745195	0.0398837
0.130613	1.45288	0.0580172	0.737833	0.0430191	0.745103	0.042018
0.120375	1.4571	0.0584201	0.731133	0.0615085	0.740647	0.037223
0.117448	1.45596	0.0553873	0.737333	0.0544944	0.736876	0.0447853
0.120181	1.4581	0.0629995	0.73952	0.0488411	0.741673	0.0396074
0.13542	1.4483	0.0562951	0.733849	0.0502776	0.741609	0.0463985
0.123395	1.4526	0.0526361	0.723043	0.0559598	0.741791	0.0439341
0.109578	1.45505	0.0588559	0.722679	0.0531836	0.754304	0.0444128
0.116429	1.45333	0.0628687	0.732335	0.0530789	0.738958	0.0388653
0.127539	1.45306	0.0606069	0.726365	0.0531308	0.745253	0.0372756
0.141349	1.44904	0.0611978	0.735287	0.0441106	0.748884	0.0383395
0.110686	1.45304	0.0702767	0.726486	0.0423018	0.727948	0.0312685
0.119289	1.44245	0.0610482	0.716734	0.0449344	0.738494	0.0375602
0.12643	1.43848	0.0584353	0.731278	0.0486147	0.731843	0.0337077
0.133294	1.44612	0.0598928	0.72637	0.0554235	0.735571	0.038458
0.120555	1.44431	0.0626223	0.722173	0.051607	0.726496	0.0358794
0.116849	1.44583	0.0622106	0.733304	0.048825	0.727046	0.0330033
0.127674	1.45108	0.0608255	0.727789	0.0406132	0.722478	0.0422693
0.1346	1.44883	0.0625487	0.725192	0.0427397	0.726108	0.0300383
0.118696	1.44524	0.0556799	0.727931	0.0503624	0.715039	0.0359449
0.119205	1.44488	0.0528755	0.722378	0.0402644	0.715462	0.0388813
0.127663	1.44211	0.0530483	0.725321	0.0457366	0.730783	0.0328245
0.113933	1.43794	0.0603954	0.71587	0.0477017	0.722759	0.0314694
0.133134	1.44337	0.0675583	0.72142	0.0503917	0.722292	0.032909
0.123874	1.44552	0.0547399	0.717727	0.0502287	0.727508	0.0411293
0.117315	1.44608	0.0547304	0.724234	0.0438371	0.726391	0.0338682
0.114393	1.44548	0.054883	0.715634	0.0552907	0.715543	0.0355487
0.112568	1.44961	0.0563291	0.719113	0.0427315	0.718196	0.0401164
0.109852	1.45263	0.0577055	0.716042	0.0480262	0.722044	0.0371636
0.10579	1.44504	0.055743	0.714085	0.0525491	0.719988	0.027324
0.106494	1.44864	0.057704	0.724451	0.0407932	0.723548	0.0384499
0.106722	1.44982	0.0552133	0.720981	0.0472071	0.712051	0.0356444
0.112546	1.44288	0.0518074	0.715406	0.0451563	0.718495	0.0349925
0.101032	1.44106	0.0511899	0.725979	0.0548072	0.716048	0.0369409
0.100331	1.44964	0.0512486	0.713557	0.0386812	0.729548	0.0321596
0.108138	1.44274	0.0471421	0.715368	0.0395173	0.722097	0.0320038
0.112448	1.43545	0.0531765	0.716685	0.0491949	0.726867	0.0388908
0.10246	1.44043	0.0523568	0.708658	0.0399995	0.725204	0.0323259
0.090305	1.44907	0.0527732	0.711863	0.0516793	0.716204	0.0326056
0.106735	1.4467	0.0535375	0.712235	0.0487612	0.717183	0.0333776
0.118077	1.44343	0.0608723	0.717225	0.0433395	0.72088	0.041923
0.096478	1.45058	0.0523891	0.713871	0.0460109	0.712876	0.042581
0.0832042	1.44363	0.0508161	0.711503	0.0473238	0.722856	0.0366014
0.117023	1.43842	0.0532124	0.701758	0.0463577	0.711417	0.0455133
0.0926013	1.44248	0.0579004	0.714115	0.0435705	0.717366	0.0452398
0.100939	1.44724	0.0596303	0.713043	0.0452317	0.72077	0.0391757
0.120275	1.44093	0.0566159	0.711543	0.0464278	0.708272	0.0392626

0.0939606	1.44359	0.0616014	0.708812	0.0369639	0.721427	0.0378637
0.0842214	1.45007	0.062405	0.70272	0.0426486	0.708915	0.0300002
0.0999885	1.43869	0.0611387	0.715645	0.0480288	0.703048	0.0322299
0.110293	1.4322	0.0607602	0.707316	0.0478565	0.70996	0.0336835
0.0776421	1.43642	0.056165	0.712483	0.0442152	0.712322	0.0482027
0.0915889	1.44318	0.0667222	0.712262	0.0404747	0.706357	0.0360474
0.086063	1.4446	0.0705593	0.713571	0.0413902	0.709612	0.0293688
0.101992	1.43383	0.0660199	0.703638	0.0456606	0.714095	0.0390504
0.0746534	1.43732	0.0646394	0.70297	0.0426774	0.713744	0.04198
0.0855542	1.44026	0.0710845	0.712357	0.0462822	0.720351	0.0346563
0.108161	1.44099	0.0664617	0.706174	0.0451315	0.707926	0.0366404
0.101956	1.44192	0.0636711	0.70777	0.0499448	0.708499	0.0393154
0.0910303	1.43313	0.0686477	0.711913	0.0403623	0.708991	0.0369952
0.0939386	1.43238	0.0681786	0.706604	0.039825	0.704686	0.0365297
0.0945612	1.43492	0.0659388	0.709312	0.0498011	0.704779	0.0271222
0.0961785	1.43405	0.0602211	0.704673	0.0329015	0.711034	0.047597
0.0952835	1.43015	0.0538639	0.709054	0.0407793	0.715312	0.0391871
0.0975665	1.42829	0.0679791	0.699821	0.034378	0.707416	0.0311132
0.0833344	1.42968	0.0701344	0.706547	0.0406763	0.704723	0.0428949
0.0986814	1.43243	0.0627319	0.700816	0.0352045	0.704986	0.0397759
0.102459	1.42978	0.063488	0.701931	0.042045	0.709106	0.0370273
0.102086	1.43046	0.0650735	0.698764	0.0430619	0.708581	0.0397009
0.0907508	1.42747	0.0607949	0.70484	0.0438915	0.705243	0.0355643
0.084617	1.42464	0.0593368	0.694686	0.0365648	0.701459	0.0341421
0.0800393	1.42835	0.0558812	0.71293	0.0318291	0.702776	0.0411242
0.0893979	1.43225	0.0626138	0.701373	0.0441493	0.715643	0.0378789
0.0848255	1.43469	0.0676252	0.708654	0.034705	0.705705	0.0321479
0.10123	1.42808	0.0608416	0.713249	0.0427223	0.70646	0.0341822
0.0834103	1.43078	0.0573655	0.70319	0.0415474	0.713435	0.0447263
0.08442	1.43152	0.0618994	0.707951	0.0414091	0.706478	0.0435314
0.092184	1.43013	0.0700764	0.698384	0.0468413	0.711652	0.0388516
0.0847422	1.42726	0.0681325	0.703888	0.0408153	0.706329	0.0365042
0.10528	1.42626	0.0660946	0.716766	0.045921	0.710823	0.0448864
0.088319	1.43071	0.066968	0.698231	0.0444724	0.697274	0.040783
0.0879489	1.42432	0.0626167	0.70237	0.040989	0.719305	0.0316244
0.0747808	1.42808	0.0545267	0.708323	0.044114	0.703831	0.0297215
0.107153	1.43291	0.0533226	0.701672	0.0456043	0.710519	0.0349561
0.0922435	1.43258	0.0547848	0.706459	0.0466093	0.70611	0.0350053
0.0946685	1.43331	0.0627637	0.70808	0.0395232	0.709816	0.0433641
0.0831862	1.42854	0.0692448	0.694842	0.0477242	0.717435	0.0387902
0.0808928	1.42404	0.067044	0.708871	0.0436945	0.706019	0.0503785
0.0936033	1.42579	0.0651897	0.710633	0.0454222	0.714552	0.0438861
0.0909978	1.4285	0.0662643	0.701262	0.0507984	0.702076	0.0301835
0.0899109	1.4258	0.0579193	0.710524	0.0468911	0.70807	0.0410478
0.0869359	1.4187	0.0516015	0.704519	0.0323442	0.705759	0.0343498
0.102791	1.41786	0.0571067	0.704325	0.038557	0.69322	0.0435681
0.103897	1.4193	0.0615703	0.6882	0.039008	0.70776	0.0305519



0.111141	1.41779	0.0572319	0.702602	0.0407582	0.707954	0.0361382
0.0930845	1.42381	0.0564567	0.710208	0.0353545	0.69587	0.0412692
0.100337	1.42428	0.058445	0.711408	0.0352387	0.696859	0.041147
0.0970268	1.42523	0.0537068	0.708877	0.0526105	0.697988	0.0345394
0.0934533	1.42188	0.05259	0.688264	0.0354081	0.690446	0.0323362
0.102269	1.41116	0.0492129	0.700696	0.0445768	0.691817	0.0348633
0.103097	1.41164	0.0474799	0.704712	0.0420848	0.698726	0.0396029
0.0917362	1.41244	0.0506337	0.704338	0.0347312	0.698793	0.0304982
0.0870884	1.41048	0.047564	0.710483	0.0362231	0.694688	0.0396707
0.0914956	1.40736	0.0410239	0.701478	0.0327707	0.701924	0.0396269
0.0828858	1.40345	0.0459529	0.705594	0.0414773	0.689736	0.0389484
0.0814288	1.40104	0.0569702	0.698025	0.0385372	0.68755	0.0389658
0.0839852	1.40193	0.0569253	0.696273	0.0389343	0.677546	0.0379909
0.0635735	1.40638	0.0517255	0.699004	0.0446172	0.68621	0.0382456
0.0941396	1.40429	0.0524744	0.697212	0.0332009	0.689365	0.0387463
0.0809527	1.39767	0.0545313	0.686953	0.0435552	0.683576	0.0422947
0.066298	1.39922	0.0539372	0.68505	0.0411085	0.6898	0.0387223
0.085098	1.40097	0.0496372	0.689762	0.0285716	0.683834	0.0367775
0.0920013	1.39478	0.0478433	0.690435	0.0374579	0.681249	0.0302107
0.0750664	1.39054	0.0516981	0.682171	0.0425431	0.688506	0.0430949
0.075285	1.38561	0.0553938	0.676238	0.0315671	0.67548	0.036499
0.0833774	1.37985	0.0547451	0.689547	0.0415949	0.680883	0.0356976
0.101601	1.37685	0.0480913	0.686722	0.0427786	0.672187	0.0353369
0.0944045	1.377	0.0458378	0.683823	0.036541	0.676625	0.0382414
0.0918071	1.3787	0.047658	0.684354	0.0384494	0.682983	0.0410309
0.0989941	1.3807	0.0481636	0.69172	0.0399527	0.667443	0.0365098
0.0720013	1.3806	0.0509647	0.686749	0.0380663	0.678116	0.0380251
0.0953796	1.37743	0.0477988	0.674093	0.0368449	0.666854	0.0437418
0.0773762	1.3812	0.0433423	0.684769	0.0424707	0.669187	0.033523
0.0856515	1.37822	0.049098	0.693087	0.041588	0.672567	0.0362368
0.0839852	1.36886	0.0499625	0.674342	0.0376929	0.669445	0.0304569
0.102915	1.36196	0.048627	0.687362	0.038992	0.670334	0.0345338
0.0890668	1.3511	0.0485462	0.678928	0.0396002	0.671008	0.0357837
0.100101	1.35325	0.0461845	0.683736	0.0288632	0.675785	0.0338475
0.100848	1.35538	0.0447136	0.680473	0.0370245	0.676351	0.0387953
0.0958809	1.34795	0.0417582	0.679801	0.0389532	0.663388	0.0336504
0.0869473	1.34859	0.0397262	0.674091	0.0345715	0.668891	0.03388
0.0900176	1.35188	0.0453627	0.683908	0.0347493	0.665998	0.0431302
0.0965016	1.34831	0.0438496	0.677492	0.0345978	0.667345	0.0403247
0.111044	1.34279	0.0431634	0.678682	0.0417489	0.659188	0.0260266
0.102288	1.34259	0.0501032	0.668356	0.0322185	0.649725	0.0395195
0.115255	1.34077	0.0511664	0.667002	0.0371394	0.664454	0.0306287
0.111153	1.33221	0.0490672	0.676557	0.0310664	0.654895	0.0343323
0.115234	1.32616	0.0439368	0.670007	0.043694	0.658756	0.0397719
0.116095	1.3326	0.0443122	0.675206	0.0325685	0.648842	0.0350391
0.117553	1.32808	0.0458225	0.666336	0.0370152	0.660341	0.0389992
0.110593	1.32214	0.0471637	0.662234	0.0393488	0.655538	0.0336554

0.121764	1.32455	0.0474255	0.662765	0.0386788	0.651129	0.0395824
0.13066	1.31344	0.0465202	0.662807	0.0352626	0.658852	0.0350145
0.124806	1.31236	0.0548358	0.660699	0.0387252	0.648503	0.0451047
0.116169	1.31701	0.0440938	0.664908	0.0303001	0.645317	0.0342461
0.132494	1.30741	0.0370866	0.657695	0.034679	0.646222	0.0332672
0.12832	1.29996	0.0426088	0.659454	0.0404995	0.65101	0.0331829
0.100938	1.29832	0.0400102	0.64918	0.0397684	0.655495	0.0382063
0.114661	1.29391	0.0422849	0.650616	0.0367764	0.640721	0.0362784
0.142009	1.29404	0.0455336	0.657215	0.0303267	0.639142	0.0329983
0.102742	1.29112	0.0514845	0.656295	0.0369011	0.640073	0.0234456
0.102448	1.28606	0.0429055	0.648343	0.0374234	0.640201	0.0316082
0.112877	1.2886	0.0368601	0.645493	0.0417361	0.628811	0.0371566
0.120204	1.29091	0.0439749	0.649132	0.0356741	0.637475	0.0361977
0.0937429	1.29	0.0448191	0.653296	0.0358702	0.639892	0.0324678
0.132092	1.28949	0.0463644	0.645241	0.0392723	0.632864	0.0388697
0.105841	1.28256	0.0475854	0.645778	0.0430778	0.633163	0.0311302
0.109382	1.27832	0.0485041	0.643876	0.0305927	0.623358	0.0297944
0.0986863	1.27303	0.0477047	0.649457	0.0434509	0.641232	0.0300353
0.0848537	1.26334	0.0446719	0.630073	0.0262246	0.623468	0.0278704
0.107542	1.26619	0.0495323	0.634629	0.0387835	0.620549	0.0265695
0.10933	1.27555	0.0463816	0.632629	0.0366656	0.628093	0.034993
0.0767579	1.27203	0.0474896	0.636568	0.0336887	0.623285	0.0316096
0.123485	1.26655	0.0452769	0.634687	0.0343284	0.630536	0.0317789
0.101539	1.26389	0.0453247	0.638589	0.0289661	0.621599	0.0355444
0.120757	1.26292	0.0494345	0.641129	0.0300482	0.626974	0.0276797
0.121374	1.26179	0.0491146	0.634949	0.0406403	0.628314	0.0285436
0.139132	1.26725	0.0462614	0.63457	0.0361106	0.621101	0.0290496
0.14786	1.26181	0.0423614	0.632954	0.0388922	0.632231	0.0355163
0.171164	1.25182	0.0397695	0.63022	0.038676	0.631681	0.0373888
0.193526	1.2578	0.0410193	0.627513	0.0356612	0.646315	0.0312616
0.247582	1.25569	0.0404354	0.637804	0.0337322	0.63748	0.0302564
0.263696	1.2572	0.0432561	0.635656	0.0329598	0.634947	0.0400308
0.301069	1.26035	0.0485941	0.632457	0.0323479	0.636765	0.0330026
0.367921	1.25187	0.0477282	0.620578	0.0443002	0.642379	0.0297983
0.457773	1.24381	0.0462035	0.62931	0.036889	0.644444	0.0301814
0.544134	1.23931	0.0447766	0.626925	0.0383305	0.645415	0.0239017
0.61111	1.23966	0.0479479	0.637331	0.0379938	0.643675	0.0293549
0.775703	1.23323	0.0394006	0.633383	0.037907	0.647648	0.0247844
0.905482	1.22799	0.0444086	0.631661	0.0344462	0.649411	0.0333066
1.03042	1.22743	0.0482201	0.623174	0.0399218	0.642735	0.0403567
1.25979	1.22959	0.043825	0.630183	0.0394075	0.644019	0.0336604
1.45157	1.22922	0.049796	0.621751	0.0327154	0.654031	0.0309568
1.64597	1.22865	0.042481	0.623846	0.0332633	0.648715	0.0330369
1.8613	1.22818	0.0372315	0.623411	0.0290942	0.64805	0.0314094
2.05954	1.22641	0.0446238	0.622175	0.0322717	0.650809	0.0302424
2.30303	1.22634	0.0430132	0.61582	0.0371494	0.647098	0.0301503
2.52664	1.22403	0.0382491	0.618534	0.0414334	0.646057	0.037371

2.64708	1.21732	0.0387648	0.619539	0.0381463	0.647917	0.0427563
2.85552	1.21144	0.0426931	0.615855	0.0314918	0.648256	0.0295209
2.9436	1.21871	0.0484709	0.615472	0.0280206	0.65567	0.0374932
3.13415	1.21172	0.0442949	0.618943	0.0351935	0.652338	0.0358214
3.18473	1.20188	0.038266	0.615694	0.0382387	0.645687	0.0320862
3.27805	1.20438	0.0406414	0.621583	0.0295541	0.645814	0.0329423
3.1794	1.1977	0.0452878	0.621093	0.0400778	0.63877	0.0351166
3.2049	1.19896	0.0412365	0.612823	0.031728	0.638136	0.0407829
3.15581	1.2016	0.0433144	0.614414	0.0375489	0.649966	0.0302774
2.92544	1.19239	0.0420737	0.606068	0.0338892	0.640013	0.0346894
2.81208	1.18456	0.0387743	0.615071	0.0338894	0.62722	0.0347962
2.62761	1.18989	0.0387616	0.60626	0.0335584	0.636043	0.0233067
2.42302	1.18603	0.0414131	0.605911	0.0358204	0.635739	0.0424043
2.20952	1.18289	0.0399852	0.608238	0.0375094	0.627804	0.0275227
2.06231	1.18746	0.0394933	0.604042	0.0369318	0.608782	0.0269517
1.70888	1.18411	0.0347292	0.600434	0.0302122	0.613611	0.0269963
1.55105	1.18499	0.0350125	0.600592	0.0424811	0.610043	0.0363631
1.32821	1.18179	0.0376538	0.598649	0.0296819	0.60587	0.0358204
1.13807	1.18205	0.0403792	0.586968	0.0266326	0.596864	0.0221463
0.983309	1.17823	0.0416415	0.6007	0.0302499	0.596658	0.0335061
0.815623	1.17295	0.0428417	0.601306	0.0373753	0.588801	0.0290933
0.737745	1.16431	0.0408649	0.585992	0.0377624	0.591407	0.0354479
0.568641	1.15245	0.0398811	0.597308	0.0292843	0.589551	0.0369605
0.458828	1.14778	0.0367321	0.59298	0.0343232	0.589792	0.0229101
0.3762	1.14771	0.0402464	0.59546	0.0287628	0.594297	0.0333934
0.295295	1.14143	0.0390267	0.586606	0.0308155	0.577949	0.026002
0.251799	1.14904	0.0454263	0.588334	0.0332392	0.584366	0.037819
0.218094	1.14721	0.047414	0.58236	0.0276027	0.573505	0.0282392
0.169754	1.13532	0.0437373	0.575531	0.0245452	0.573374	0.0279674
0.130181	1.13318	0.0474821	0.579485	0.0274258	0.567476	0.0300739
0.144582	1.13011	0.0371114	0.584674	0.037816	0.568268	0.03263
0.109767	1.12587	0.0425994	0.57808	0.0386217	0.569458	0.0260791
0.0917397	1.12134	0.041478	0.57527	0.0334841	0.567356	0.0242645
0.0849886	1.12323	0.0388567	0.569083	0.0271563	0.567197	0.0278374
0.0962389	1.11955	0.0342347	0.568567	0.0321331	0.568997	0.0255178
0.0976248	1.10813	0.0374481	0.571145	0.0418494	0.560981	0.0322487
0.0667772	1.10662	0.0398175	0.568055	0.0306499	0.564754	0.0271755
0.0793177	1.10932	0.0379554	0.565448	0.0302939	0.564424	0.0267492
0.0932561	1.11169	0.0327562	0.562594	0.0307871	0.551263	0.0351726
0.0847462	1.11206	0.0368962	0.562348	0.0268158	0.562397	0.0304819
0.0808763	1.10958	0.0355342	0.560285	0.027625	0.562745	0.0268183
0.0972219	1.10407	0.033239	0.561679	0.0358705	0.567264	0.0272288
0.0730407	1.10054	0.0385399	0.560585	0.0209071	0.561813	0.0243766
0.0943243	1.09297	0.0427998	0.561157	0.0311355	0.561021	0.0254645
0.0894272	1.09562	0.0425609	0.554678	0.035197	0.554965	0.0245457
0.0748405	1.09804	0.0437915	0.563027	0.0318454	0.56858	0.0321969
0.0810419	1.09429	0.0409617	0.555545	0.0252018	0.56722	0.0212145

0.0886521	1.09041	0.035411	0.561254	0.0273942	0.581944	0.0278186
0.1251	1.09362	0.0340454	0.559634	0.0290692	0.59107	0.0289373
0.119815	1.09859	0.0456682	0.565122	0.0245927	0.593245	0.0372034
0.142889	1.0939	0.0464831	0.575789	0.0344069	0.608365	0.0313305
0.189147	1.08507	0.0384128	0.57068	0.0285438	0.618517	0.0361685
0.18405	1.08552	0.0321804	0.566301	0.0375976	0.619547	0.0320458
0.17315	1.09018	0.0410703	0.57592	0.0319609	0.650298	0.0309435
0.254773	1.09175	0.0460985	0.57747	0.0296528	0.66052	0.0365374
0.254246	1.09243	0.0424833	0.568147	0.023575	0.663748	0.0330116
0.301366	1.09582	0.0425474	0.578589	0.0310268	0.682468	0.0331501
0.354547	1.09666	0.0413641	0.583165	0.032244	0.690537	0.0363073
0.40947	1.09994	0.0409002	0.589926	0.029986	0.703173	0.0393528
0.425118	1.0998	0.0472461	0.591497	0.0315321	0.71835	0.0286891
0.497074	1.09428	0.0410081	0.595081	0.0376407	0.728671	0.0283762
0.508554	1.0834	0.0400868	0.599664	0.0279214	0.727396	0.0305934
0.589033	1.08354	0.0466132	0.592441	0.0291183	0.738715	0.0352586
0.6463	1.08885	0.047766	0.601189	0.0317899	0.73387	0.027196
0.679752	1.08136	0.0445354	0.603122	0.0302052	0.748683	0.0306015
0.739567	1.0754	0.0397121	0.60104	0.0291126	0.738722	0.0426365
0.784587	1.06367	0.0407103	0.603086	0.033343	0.741363	0.0389861
0.822	1.07028	0.0426148	0.601036	0.0321403	0.72634	0.0395776
0.859581	1.06924	0.0398985	0.585429	0.0313096	0.713327	0.036719
0.856775	1.06153	0.0385777	0.58271	0.0328563	0.698326	0.0322881
0.891109	1.05494	0.0348802	0.5849	0.0283292	0.689774	0.0380274
0.896958	1.04964	0.0384269	0.576596	0.0333576	0.67875	0.0413512
0.884145	1.04544	0.0346073	0.572757	0.0335762	0.669127	0.0297553
0.828954	1.04268	0.0327783	0.568982	0.0310892	0.656739	0.023745
0.827294	1.0379	0.033478	0.563003	0.0281782	0.632083	0.0335872
0.785922	1.03699	0.0308571	0.563215	0.0261628	0.622463	0.0260879
0.775906	1.03101	0.0275941	0.552125	0.0273525	0.612715	0.0342167
0.691692	1.02365	0.0334749	0.545786	0.0328932	0.602831	0.0282029
0.630661	1.02108	0.0382108	0.541412	0.0260563	0.58583	0.024058
0.565208	1.02505	0.0424249	0.542036	0.0267737	0.574448	0.0330356
0.546689	1.021	0.0369895	0.539039	0.0306272	0.572475	0.0365318
0.4416	1.01809	0.0320007	0.540047	0.0322354	0.553166	0.0274394
0.425172	1.02446	0.0334486	0.533162	0.0270018	0.545719	0.0341688
0.368043	1.02003	0.0371281	0.519094	0.0285073	0.534192	0.0309347
0.324495	1.01101	0.032105	0.529307	0.0320441	0.531175	0.0273708
0.262367	1.00743	0.0314257	0.528213	0.0305746	0.532945	0.0237351
0.204157	1.00376	0.0343616	0.523665	0.0287829	0.519223	0.0287663
0.192404	1.00383	0.0391575	0.522634	0.029289	0.521777	0.0276957
0.198821	1.00416	0.0410451	0.517844	0.0293813	0.518049	0.0297293
0.146839	0.999259	0.0382439	0.519167	0.0285114	0.525199	0.029378
0.129758	1.00184	0.0307479	0.524983	0.0261598	0.521158	0.0336887
0.119906	1.00225	0.0322748	0.522673	0.0248386	0.512147	0.0333258
0.0950385	1.00283	0.0331524	0.513186	0.0331692	0.522159	0.0293272
0.0936402	0.997656	0.030806	0.511912	0.0275873	0.50957	0.0336619

0.0777605	0.995641	0.0248131	0.507538	0.0314702	0.510631	0.0306905
0.0868432	1.00018	0.0274932	0.506082	0.0331467	0.517521	0.0280041
0.0673065	1.00103	0.0285663	0.513611	0.0284657	0.518715	0.0227337
0.0839607	0.994646	0.0337611	0.508998	0.0303382	0.513087	0.0225682
0.0576869	0.989575	0.0268119	0.510376	0.0254544	0.500917	0.0311938
0.0557535	0.994026	0.0292375	0.508439	0.0308078	0.511113	0.0306995
0.0669254	0.986697	0.0312665	0.511828	0.0257597	0.509965	0.0238229
0.0534328	0.985704	0.0378245	0.502898	0.0306536	0.500635	0.0256
0.0574546	0.986157	0.0369664	0.498732	0.0275059	0.507395	0.0352704
0.06157	0.985242	0.0355686	0.511228	0.0283829	0.499903	0.0237093
0.0618464	0.986021	0.0314934	0.500227	0.0240717	0.498078	0.0220636
0.0669563	0.984	0.0292699	0.502894	0.0269589	0.50103	0.0341259
0.0550048	0.983025	0.0302248	0.504987	0.0344568	0.492419	0.0321105
0.0623739	0.97959	0.0342939	0.49372	0.0258949	0.498776	0.020413
0.0594516	0.989415	0.0348635	0.501125	0.0299033	0.500619	0.0264417
0.0656972	0.985847	0.0339773	0.504234	0.026278	0.501326	0.0238557
0.0807908	0.97992	0.0308538	0.507019	0.0251673	0.49496	0.0247089
0.0745334	0.985873	0.0341175	0.495599	0.0321173	0.498029	0.0255838
0.0605111	0.985581	0.0282959	0.49852	0.0267587	0.502293	0.0262693
0.0736016	0.985735	0.0296775	0.500766	0.0283596	0.502263	0.0273452
0.0610092	0.995959	0.0314054	0.498589	0.0316555	0.509547	0.0288777
0.0596503	1.00212	0.0293362	0.506157	0.0241281	0.49874	0.0289097
0.0690135	1.01507	0.0357827	0.506052	0.0277745	0.496133	0.0292669
0.0754769	1.03533	0.0288714	0.51268	0.0285148	0.499395	0.0275495
0.0585721	1.03935	0.0350804	0.509427	0.0247627	0.510475	0.0297807
0.0789442	1.05267	0.036399	0.517518	0.0266684	0.508793	0.0252758
0.0791659	1.0735	0.0386439	0.513086	0.0252351	0.513902	0.0204485
0.0659972	1.09941	0.0370176	0.523538	0.0265218	0.521085	0.0347628
0.0815162	1.11994	0.040708	0.537775	0.0251959	0.528297	0.0227271
0.0758593	1.15043	0.0463005	0.548344	0.025859	0.526328	0.0237673
0.0755625	1.177	0.0367798	0.560166	0.0243233	0.547126	0.0307846
0.0812186	1.21044	0.0388332	0.574344	0.029582	0.547777	0.0300401
0.0747864	1.2479	0.0394834	0.587802	0.0308331	0.569014	0.0342412
0.108779	1.27617	0.0433167	0.602877	0.0322254	0.580434	0.0305591
0.100156	1.30305	0.0483299	0.619771	0.0355966	0.59682	0.0337179
0.112132	1.33558	0.0497461	0.64098	0.0359484	0.601878	0.0323842
0.117632	1.35695	0.0557929	0.665854	0.0340825	0.624447	0.0399849
0.132728	1.38296	0.0552849	0.693647	0.0444446	0.635083	0.0280732
0.12888	1.40543	0.0590002	0.714338	0.0350941	0.660092	0.036398
0.153683	1.42928	0.0590506	0.746032	0.0444739	0.668935	0.038271
0.12878	1.43847	0.062565	0.756033	0.04026	0.678959	0.0380035
0.131847	1.44415	0.0612564	0.786891	0.0496505	0.702156	0.0384283
0.132497	1.4448	0.0663833	0.805832	0.0480736	0.710537	0.0456257
0.161418	1.43298	0.0709873	0.817973	0.0330012	0.726272	0.0357718
0.13577	1.42346	0.0647483	0.823334	0.0420481	0.731921	0.0483982
0.149659	1.40159	0.0575754	0.844574	0.0444265	0.734734	0.0389093
0.141784	1.38089	0.0555056	0.849158	0.0538167	0.727876	0.0345122

0.131101	1.35566	0.0553103	0.84465	0.0457149	0.730547	0.0462722
0.122191	1.31954	0.053833	0.847461	0.0470761	0.726661	0.0342682
0.137941	1.28145	0.0551468	0.839858	0.0438848	0.709411	0.0393938
0.134816	1.2427	0.0524113	0.823188	0.0488769	0.705479	0.0375913
0.154089	1.2091	0.0463008	0.814578	0.0520033	0.69312	0.0385905
0.129251	1.17891	0.0434291	0.792843	0.040854	0.686248	0.0389527
0.105734	1.14885	0.0347058	0.765612	0.0420046	0.657828	0.0355056
0.114535	1.09424	0.0401009	0.747202	0.0418846	0.642468	0.0334102
0.110393	1.05661	0.0381485	0.71959	0.0422306	0.616448	0.035555
0.0856758	1.03515	0.0331474	0.699745	0.0351849	0.613105	0.0355483
0.0961957	1.01895	0.0269604	0.666268	0.0278828	0.583526	0.0373329
0.0945416	0.989303	0.0314493	0.64715	0.0343187	0.567516	0.0276147
0.0664684	0.956434	0.0331016	0.620265	0.0390466	0.551923	0.0357574
0.0845601	0.946384	0.0300704	0.590936	0.0301783	0.539808	0.0241573
0.0646871	0.925975	0.0281772	0.564204	0.0355494	0.517163	0.0287582
0.0654316	0.917137	0.0311034	0.549923	0.0262974	0.512381	0.0291403
0.0630177	0.902863	0.0322811	0.534135	0.0263536	0.502427	0.0242057
0.0629234	0.890641	0.0286527	0.524515	0.0213768	0.492158	0.028645
0.0609184	0.878122	0.0287167	0.507819	0.0274654	0.472716	0.0226257
0.0532949	0.876492	0.0272135	0.495379	0.0233792	0.470441	0.0268364
0.0556345	0.877079	0.0250134	0.483165	0.027791	0.46301	0.0244757
0.0487454	0.870332	0.0280173	0.476948	0.0272756	0.45858	0.0216473
0.0627396	0.86488	0.0306825	0.469131	0.0289171	0.45979	0.0249595
0.0479176	0.860683	0.0325882	0.466403	0.0233735	0.450767	0.0273768
0.0588351	0.864316	0.031565	0.455597	0.0166257	0.447924	0.0308231
0.056295	0.855877	0.0265924	0.455665	0.0277762	0.445027	0.0213628
0.0500858	0.840883	0.0266218	0.449565	0.0263953	0.440817	0.0241374
0.0563991	0.846881	0.0298911	0.452392	0.019406	0.441068	0.0250988
0.047789	0.844805	0.0302588	0.447492	0.0231088	0.429166	0.0272465
0.0508902	0.839044	0.0318025	0.452697	0.0291124	0.442328	0.021821
0.0492149	0.835386	0.0287696	0.433888	0.0250138	0.438667	0.0266548
0.0560203	0.835678	0.0243192	0.442506	0.0224293	0.438416	0.0188464
0.0681233	0.827435	0.0244899	0.437472	0.0200283	0.438193	0.0257513
0.0635961	0.824146	0.02689	0.436375	0.0278457	0.429288	0.0218017
0.0624461	0.825567	0.0238017	0.440658	0.0259922	0.431649	0.0283204
0.0521204	0.826646	0.0273617	0.434044	0.0240818	0.429854	0.0227922
0.0637521	0.824646	0.0277782	0.431192	0.0224394	0.426282	0.0257832
0.054732	0.816918	0.0281824	0.427055	0.0208279	0.420004	0.0249756
0.060663	0.811372	0.0306241	0.434	0.0171725	0.419686	0.0278194
0.0543202	0.812777	0.026341	0.429447	0.0190491	0.422033	0.0250487
0.0481495	0.812797	0.0286626	0.426129	0.0193778	0.42269	0.0242191
0.0475975	0.81037	0.03043	0.428854	0.0244361	0.419975	0.0230774
0.0571003	0.807278	0.0250027	0.429965	0.0326343	0.417403	0.0208025
0.0519781	0.807162	0.0301895	0.429104	0.022067	0.42036	0.0229904
0.045744	0.805998	0.0297676	0.425639	0.0192912	0.427794	0.0191488
0.0381278	0.800611	0.0291384	0.41818	0.0231802	0.418376	0.0252245
0.0472112	0.798446	0.0272907	0.425943	0.0228411	0.411109	0.0188679

0.0585236	0.799559	0.0252802	0.416174	0.0276892	0.420487	0.0289776
0.0525688	0.79406	0.0223841	0.425549	0.020934	0.40255	0.0242846
0.0520464	0.793785	0.0223561	0.420998	0.0209242	0.412752	0.0213645
0.0466211	0.793083	0.0242945	0.414535	0.0235736	0.401182	0.0186313
0.051882	0.790297	0.0271956	0.418547	0.0229766	0.4127	0.0246903
0.0426328	0.784639	0.0286496	0.414075	0.0255316	0.406895	0.025058
0.0501727	0.781718	0.0250923	0.417973	0.0197513	0.406731	0.0220611
0.0460051	0.782267	0.0252504	0.408558	0.0266879	0.411543	0.0211635
0.0479068	0.778265	0.0304413	0.415969	0.0227603	0.41771	0.0268133
0.0478654	0.773204	0.0204881	0.404638	0.0195327	0.412348	0.0216291
0.0497992	0.775517	0.0212796	0.409613	0.0256083	0.41648	0.0264609
0.0444827	0.774037	0.0271788	0.412966	0.0229141	0.411026	0.0217219
0.0466107	0.771369	0.0311748	0.41488	0.0218931	0.410093	0.0203103
0.0517436	0.769335	0.0242462	0.403637	0.0194502	0.408929	0.0266093
0.0426326	0.766253	0.0288659	0.409942	0.027525	0.417264	0.0234312
0.0481029	0.765391	0.0350609	0.412239	0.0270171	0.422269	0.0251257
0.0551079	0.763987	0.0276808	0.406511	0.0274668	0.416145	0.021439
0.0546802	0.767928	0.0229508	0.409568	0.0197776	0.419414	0.0270722
0.0496825	0.766906	0.0255323	0.405215	0.0255399	0.421315	0.0207054
0.0495973	0.763863	0.0249923	0.414932	0.0203115	0.425453	0.0247
0.0380337	0.767488	0.0214457	0.409172	0.0205701	0.425839	0.022281
0.0493943	0.759622	0.0214398	0.405054	0.0235398	0.427853	0.0237939
0.0500854	0.761974	0.0172957	0.40667	0.0225893	0.428895	0.0289793
0.0501358	0.754699	0.0208951	0.414075	0.0214057	0.438935	0.0268533
0.0429537	0.759601	0.0225604	0.413302	0.0261318	0.436167	0.0294979
0.0396657	0.760155	0.024064	0.410504	0.0204087	0.446774	0.0231608
0.0425759	0.751605	0.0280242	0.414179	0.0160888	0.453986	0.0263629
0.0558062	0.755217	0.0308293	0.408594	0.0222962	0.450267	0.0269307
0.0440352	0.754813	0.0269256	0.410436	0.0238468	0.461518	0.0274097
0.0434042	0.747365	0.0299256	0.410557	0.0256391	0.451931	0.0244708
0.049587	0.745734	0.0243574	0.415566	0.0243846	0.464478	0.0248163
0.0508302	0.736656	0.0246841	0.416518	0.0245228	0.456758	0.0298259
0.0526076	0.737246	0.0307926	0.415878	0.0244511	0.456323	0.0236086
0.0447252	0.739708	0.0289651	0.413791	0.0252899	0.451664	0.0313497
0.0468624	0.740267	0.0280587	0.401214	0.026158	0.458756	0.0275176
0.0477446	0.732437	0.02851	0.409297	0.0145159	0.447736	0.0221352
0.0396583	0.724488	0.0290959	0.407344	0.0223179	0.443875	0.0281479
0.0321133	0.730549	0.0267629	0.400575	0.020534	0.442666	0.0247246
0.0497316	0.730013	0.0244461	0.400748	0.0292758	0.43308	0.0321437
0.0510215	0.732742	0.0278276	0.399314	0.0166532	0.427346	0.0309577
0.0465795	0.722781	0.0267416	0.401081	0.0253415	0.422558	0.0242924
0.0423502	0.719619	0.0229066	0.394278	0.0220089	0.425	0.0285972
0.0539785	0.715668	0.0262214	0.395829	0.0262688	0.417226	0.0255041
0.0423958	0.715107	0.0293698	0.385969	0.0224635	0.406818	0.0257446
0.0670519	0.712548	0.0249735	0.389074	0.0249674	0.399683	0.0215209
0.0432747	0.710616	0.0169691	0.382327	0.0206576	0.397186	0.0237525
0.0572399	0.704753	0.0292499	0.385885	0.0192884	0.386924	0.0256159

0.0600781	0.695981	0.0271685	0.373345	0.0162088	0.380427	0.019958
0.037758	0.692845	0.0232895	0.373387	0.0203095	0.380548	0.0292195
0.0530108	0.692121	0.0213035	0.38155	0.0269735	0.378579	0.0252618
0.0467394	0.689781	0.0283921	0.380379	0.0170963	0.377401	0.0236705
0.0448662	0.686648	0.0281109	0.369529	0.0189686	0.373727	0.0264051
0.0473737	0.685629	0.0263065	0.366321	0.0247872	0.372295	0.0235615
0.0586769	0.68352	0.0256219	0.362965	0.0190437	0.358029	0.0195621
0.0486992	0.683685	0.0257512	0.3662	0.0210297	0.363197	0.0240371
0.038133	0.67838	0.0250555	0.364216	0.0172361	0.366463	0.0209879
0.0452548	0.681411	0.0227036	0.35796	0.0130407	0.357891	0.0218827
0.0451016	0.673937	0.0215311	0.358705	0.0144574	0.355772	0.0238566
0.0474529	0.672542	0.0217196	0.368693	0.0185423	0.35376	0.0225251
0.0407141	0.671245	0.0196844	0.361625	0.0158067	0.347441	0.0205858
0.0428905	0.676854	0.0226516	0.353863	0.0207267	0.356192	0.0189762
0.0455852	0.667599	0.0264728	0.355378	0.0213734	0.354444	0.0202569
0.0376696	0.67301	0.0273741	0.354422	0.0216122	0.348959	0.0257788
0.039481	0.670157	0.0237428	0.353786	0.0177418	0.355766	0.0197548
0.0439456	0.661641	0.0238591	0.354316	0.0183332	0.346011	0.0207166
0.0411927	0.658701	0.0188929	0.350008	0.0159219	0.350062	0.022082
0.0462417	0.659992	0.0261251	0.350929	0.0148095	0.34856	0.0193733
0.056527	0.660849	0.0198343	0.346138	0.0190564	0.342703	0.0240187
0.0340806	0.661062	0.0222908	0.35145	0.019411	0.345008	0.0205929
0.0497663	0.654721	0.0212547	0.343284	0.0154633	0.340916	0.0220572
0.0391072	0.659094	0.0197492	0.344713	0.0206748	0.340908	0.0219941
0.043448	0.656345	0.0222248	0.346898	0.019487	0.344208	0.0264802
0.0349256	0.653124	0.0212379	0.339777	0.0200909	0.331576	0.0190112
0.0381083	0.644772	0.0285652	0.342723	0.0209833	0.332668	0.0184463
0.0444462	0.644196	0.0209477	0.337164	0.0187544	0.340051	0.0232909
0.0375173	0.646986	0.0236757	0.342121	0.017516	0.334679	0.0175857
0.0353466	0.65278	0.0252559	0.340733	0.014122	0.336133	0.0234568
0.0513267	0.641094	0.0217831	0.337174	0.0232763	0.337137	0.026862
0.0379722	0.638855	0.022666	0.340955	0.0275116	0.337196	0.0195013
0.0502899	0.640201	0.0218142	0.335805	0.0219982	0.331789	0.019015
0.0441164	0.640256	0.0227464	0.340434	0.0214446	0.336536	0.0207594
0.0445084	0.647253	0.0237528	0.336574	0.0231635	0.334589	0.023015
0.0513135	0.642715	0.0270494	0.340623	0.0174381	0.329531	0.0229888
0.0394538	0.648174	0.0197681	0.340641	0.0197299	0.339213	0.0219334
0.0494087	0.64538	0.0219327	0.340812	0.0171191	0.342088	0.0203416
0.0422088	0.645536	0.0253367	0.341921	0.0182839	0.338069	0.0176739
0.052899	0.644112	0.0232682	0.340677	0.0230709	0.345479	0.0214831
0.0404605	0.645435	0.0190802	0.338562	0.019938	0.346402	0.0247856
0.0424381	0.650987	0.0256138	0.336275	0.0186467	0.353182	0.0245818
0.0431262	0.660208	0.0284975	0.338627	0.0171146	0.364503	0.0247813
0.0418752	0.6576	0.0265624	0.343672	0.0197344	0.369209	0.0322257
0.0469988	0.660765	0.0217493	0.347242	0.0193345	0.38537	0.030603
0.0366562	0.663251	0.0188219	0.346609	0.0232601	0.391893	0.0348606
0.0437251	0.676303	0.02516	0.348854	0.0214186	0.397409	0.0281381



0.0449088	0.677483	0.0243285	0.356654	0.0156115	0.415237	0.0356679
0.0499905	0.688757	0.0197285	0.365711	0.0181508	0.43848	0.0448374
0.0349152	0.699272	0.0170322	0.368957	0.0216061	0.457067	0.0418102
0.0564789	0.712325	0.0270482	0.370526	0.0196264	0.483391	0.0599672
0.0486349	0.727796	0.0296314	0.376651	0.0206413	0.49885	0.0571215
0.0485971	0.722466	0.0254026	0.395938	0.0251583	0.524004	0.0601528
0.0472588	0.73706	0.0231146	0.404614	0.0207165	0.557225	0.0687583
0.0524757	0.747916	0.0205102	0.411753	0.0239632	0.579563	0.0807572
0.0559703	0.762385	0.0256252	0.420148	0.0240425	0.606909	0.0877522
0.042621	0.77201	0.0260746	0.431654	0.0195671	0.635732	0.0952725
0.0549267	0.780269	0.0215486	0.44473	0.0211101	0.667017	0.0998635
0.0469485	0.791484	0.0318056	0.456858	0.0216308	0.705199	0.0944304
0.0442162	0.797776	0.0327868	0.480029	0.0221039	0.727811	0.127768
0.0508555	0.809909	0.027085	0.482453	0.0316144	0.749183	0.127622
0.0626759	0.813176	0.0290726	0.502075	0.0257446	0.769638	0.124448
0.0550165	0.811581	0.0308201	0.508342	0.0248248	0.795617	0.135094
0.0532766	0.812008	0.029293	0.509957	0.0285781	0.814163	0.141253
0.0613202	0.815067	0.0228122	0.511584	0.0254675	0.830501	0.134367
0.0508464	0.818117	0.0259702	0.53078	0.0321322	0.823038	0.146021
0.0707803	0.798804	0.026084	0.531086	0.0311215	0.833574	0.14123
0.0537283	0.794804	0.02633	0.538802	0.0394089	0.834374	0.135727
0.0651188	0.792224	0.0228581	0.540488	0.0325965	0.810286	0.135173
0.057123	0.775008	0.0303802	0.538413	0.028645	0.807028	0.135549
0.0607703	0.767637	0.0223655	0.532334	0.0369477	0.771113	0.126266
0.071286	0.755825	0.0180923	0.526797	0.0240686	0.769833	0.113973
0.0576698	0.747913	0.0217213	0.525714	0.0295341	0.737492	0.123207
0.0606999	0.727245	0.02121	0.51483	0.0302727	0.71335	0.113353
0.0642087	0.705739	0.02423	0.503305	0.0284523	0.679338	0.0974304
0.0527581	0.692136	0.0253577	0.503775	0.0293333	0.642653	0.085624
0.0557089	0.687588	0.0264523	0.481711	0.0285453	0.612507	0.0894132
0.0589636	0.673245	0.0193362	0.468009	0.0268178	0.583644	0.0741484
0.0530875	0.658519	0.0220925	0.451696	0.0294765	0.542476	0.0673739
0.0583146	0.647089	0.0217116	0.43574	0.0230254	0.513141	0.0635922
0.0620079	0.637638	0.014804	0.421981	0.0232822	0.48993	0.0476258
0.0533696	0.624485	0.0217441	0.413334	0.0178441	0.462913	0.0519121
0.0540233	0.616813	0.0214898	0.397397	0.0243879	0.435431	0.0379729
0.04195	0.602195	0.0186244	0.389743	0.0181314	0.405328	0.0302479
0.0392748	0.593813	0.0187413	0.36742	0.0169124	0.388454	0.0347714
0.0410138	0.588403	0.0214799	0.357884	0.0222937	0.37357	0.0356044
0.0402857	0.590264	0.0232297	0.353341	0.0178316	0.365094	0.0264946
0.0382588	0.587836	0.0290248	0.340797	0.0173109	0.351892	0.024761
0.0411116	0.574135	0.0223212	0.338911	0.0167027	0.333162	0.0200853
0.046213	0.570394	0.0179717	0.331315	0.0208092	0.323021	0.0213067
0.040953	0.571483	0.0293355	0.326713	0.0211033	0.320284	0.0267759
0.0341542	0.572715	0.0252861	0.319795	0.0187405	0.320408	0.0260058
0.036261	0.561584	0.0204817	0.32	0.022593	0.305116	0.0220761
0.0418148	0.557058	0.0253809	0.309518	0.0194989	0.304268	0.0227584

0.0448648	0.557769	0.02605	0.310902	0.0141982	0.300295	0.0147141
0.0419151	0.555902	0.0165157	0.312904	0.0156141	0.302312	0.019235
0.0404016	0.558905	0.0244151	0.304847	0.0182399	0.299267	0.0240413
0.0399947	0.547085	0.0223886	0.30958	0.0160625	0.300842	0.0214179
0.0352383	0.556616	0.0167739	0.297802	0.0157153	0.298879	0.0151275
0.0444747	0.549672	0.02116	0.304247	0.019214	0.294814	0.0203473
0.0384344	0.543581	0.0204405	0.308084	0.0161646	0.290172	0.0241629
0.0355205	0.538018	0.0247455	0.299853	0.021649	0.295095	0.0187486
0.0395421	0.536289	0.0218367	0.291377	0.015218	0.29595	0.0178175
0.0357673	0.544097	0.0216103	0.297038	0.0173939	0.29236	0.0204468
0.0469588	0.534984	0.0180879	0.298412	0.0198015	0.293354	0.0185378
0.0432845	0.536754	0.0230375	0.296714	0.0172905	0.28703	0.0205477
0.0486171	0.53656	0.021383	0.288338	0.0196591	0.289979	0.0186529
0.0386798	0.528944	0.0218459	0.288332	0.0134976	0.285249	0.0205026
0.0431221	0.528747	0.029477	0.293629	0.0176751	0.288418	0.020304
0.0459433	0.531676	0.0214465	0.287515	0.0185891	0.282906	0.0230515
0.0368743	0.520433	0.0183491	0.285997	0.0187387	0.286876	0.0192381
0.0380321	0.532344	0.0212389	0.290984	0.0180403	0.279697	0.016542
0.0365383	0.520787	0.0217893	0.287692	0.0182862	0.2831	0.0163838
0.0383428	0.525189	0.0202209	0.283285	0.0140184	0.274744	0.0178223
0.0294809	0.515541	0.022715	0.286854	0.0208952	0.278566	0.022182
0.0419079	0.521614	0.020392	0.2843	0.012345	0.283437	0.0209458
0.039431	0.511983	0.0204906	0.282969	0.0131457	0.273953	0.0168841
0.0420719	0.504531	0.0225559	0.284537	0.0233943	0.276833	0.0155869
0.039911	0.507283	0.0259529	0.278227	0.0144627	0.276987	0.0205825
0.0354551	0.514708	0.0198623	0.277837	0.0131031	0.273524	0.0190459
0.0381465	0.50871	0.0225048	0.276856	0.0177332	0.275546	0.0209097
0.0341122	0.50433	0.0229726	0.273921	0.015517	0.275223	0.0201422
0.0440397	0.503455	0.0233934	0.272743	0.0180769	0.270936	0.0189398
0.0350447	0.511267	0.0219668	0.276356	0.0168305	0.275417	0.0206982
0.0404944	0.51034	0.0213928	0.26727	0.0154132	0.274247	0.0178481
0.0443656	0.508658	0.0222969	0.268205	0.0164777	0.269555	0.0213876
0.0359424	0.49691	0.0216432	0.27318	0.0144613	0.271647	0.0146854
0.0281955	0.497804	0.0224531	0.276225	0.017228	0.274439	0.0190167
0.0338622	0.498626	0.0215172	0.271548	0.0144541	0.270423	0.0207952
0.0365744	0.49779	0.0249147	0.269326	0.0147475	0.269207	0.0177413
0.0206119	0.500024	0.0242046	0.268599	0.0166966	0.268105	0.0179647
0.0312019	0.496932	0.0169653	0.268487	0.0147575	0.270618	0.0163692
0.0438715	0.49261	0.0198098	0.270028	0.0181813	0.26529	0.0201737
0.0394494	0.489863	0.0222472	0.268349	0.0157069	0.277597	0.016808
0.0377763	0.48683	0.0270252	0.264748	0.0176709	0.268625	0.0183295
0.0346687	0.490114	0.0227698	0.271276	0.0163439	0.273049	0.0209648
0.0391935	0.49612	0.0183822	0.26672	0.0144621	0.269919	0.0184228
0.0496102	0.489784	0.020022	0.272499	0.016983	0.272763	0.0192906
0.0356873	0.485948	0.0243208	0.272982	0.0196362	0.269692	0.0173109
0.0415323	0.492964	0.0245783	0.26959	0.017414	0.280325	0.0263023
0.0360291	0.477085	0.0221343	0.258469	0.0194164	0.286673	0.0207159

0.0399994	0.482793	0.0179749	0.257018	0.0145516	0.271959	0.0167625
0.0382244	0.477815	0.0207709	0.267558	0.0194075	0.271413	0.0231129
0.0318982	0.476233	0.0261687	0.261895	0.0116931	0.278919	0.017669
0.0372994	0.481425	0.020569	0.266175	0.0131232	0.276942	0.01909
0.0379482	0.480211	0.0203949	0.261854	0.0174585	0.281627	0.0171868
0.0403691	0.481538	0.0190014	0.270081	0.0163304	0.279327	0.0200482
0.0336139	0.479563	0.019813	0.263765	0.0168103	0.277725	0.018891
0.034002	0.472193	0.0174757	0.270792	0.0182967	0.281172	0.0182884
0.0325003	0.475423	0.0262877	0.258205	0.0173405	0.278743	0.018992
0.0324401	0.474708	0.0201931	0.263103	0.0163969	0.278186	0.0176481
0.0349006	0.473325	0.0231739	0.264415	0.0136093	0.279324	0.0183133
0.0392216	0.474827	0.0157827	0.257946	0.0139462	0.278761	0.0227503
0.0318716	0.468484	0.0219865	0.260655	0.0176079	0.277522	0.0221045
0.0453572	0.473354	0.0239037	0.265357	0.0122671	0.276146	0.0186435
0.0344242	0.470872	0.0170311	0.261012	0.0150994	0.280223	0.0189235
0.0345738	0.467145	0.0240564	0.258438	0.0153863	0.283218	0.0155841
0.0366106	0.471403	0.0227685	0.265287	0.0173219	0.268833	0.0186138
0.0290035	0.465356	0.0167021	0.262326	0.0155179	0.270531	0.0218325
0.0355494	0.454191	0.0190121	0.255187	0.0137097	0.262899	0.0183797
0.0434815	0.461317	0.0176881	0.257661	0.0183184	0.265688	0.0177869
0.0363845	0.459885	0.0181255	0.265961	0.0156811	0.260898	0.0145303
0.0347338	0.45815	0.020304	0.260703	0.0187557	0.270649	0.0192393
0.0389378	0.462774	0.0240838	0.257313	0.0132644	0.270725	0.0220085
0.0327146	0.46286	0.0170108	0.258223	0.0161087	0.259827	0.0187211
0.0360397	0.459155	0.0191234	0.256421	0.018986	0.261021	0.016711
0.0408513	0.454208	0.0150299	0.253605	0.015782	0.261881	0.0169508
0.0491888	0.447552	0.0199944	0.255981	0.0154621	0.260825	0.0207438
0.0349903	0.452745	0.0218852	0.25401	0.0158756	0.259459	0.0245501
0.0390549	0.450426	0.0218848	0.254488	0.0101616	0.256774	0.0175321
0.0346003	0.447074	0.0151857	0.258077	0.0120771	0.262632	0.018387
0.0436333	0.451604	0.0154663	0.249205	0.016532	0.254295	0.01697
0.0324173	0.447869	0.0221176	0.25264	0.0147766	0.249357	0.0153469
0.036047	0.445657	0.0168379	0.248768	0.0157841	0.253934	0.019646
0.0439519	0.443887	0.0197189	0.248142	0.0175681	0.249508	0.0138252
0.0363799	0.449644	0.0183612	0.254785	0.0149886	0.247946	0.0158805
0.0338196	0.445566	0.0208859	0.247596	0.017711	0.251211	0.0206203
0.0314052	0.439542	0.0166092	0.246462	0.00994866	0.242652	0.0182082
0.0438828	0.446119	0.0208477	0.246378	0.0129158	0.245739	0.0169437
0.0342599	0.436403	0.0172917	0.246179	0.0164997	0.243385	0.0167754
0.0342557	0.442726	0.0220037	0.251691	0.0192403	0.245278	0.0159876
0.0425152	0.439183	0.0200439	0.245721	0.0145341	0.246308	0.0155484
0.0285654	0.440211	0.0135956	0.245767	0.0146846	0.243722	0.0182558
0.0355198	0.435953	0.0146302	0.248512	0.0177029	0.251354	0.017443
0.0351915	0.441405	0.0158365	0.250501	0.0149875	0.245208	0.0198635
0.0270796	0.436094	0.0189741	0.248537	0.0143796	0.241318	0.0195417
0.0455328	0.435273	0.0168509	0.24368	0.014441	0.246712	0.0164668
0.0389961	0.432771	0.0174915	0.248786	0.0129048	0.239188	0.0220268

0.0416297	0.433166	0.0179146	0.240254	0.0131614	0.243194	0.0157493
0.0373225	0.430728	0.0175184	0.245782	0.0152361	0.246277	0.0167773
0.0274715	0.429069	0.0195657	0.245068	0.0135705	0.252021	0.019115
0.0326819	0.437419	0.0193088	0.243448	0.0146671	0.242717	0.0201787
0.038475	0.428302	0.0200783	0.239429	0.0156483	0.240162	0.0170537
0.033838	0.427432	0.0179746	0.241428	0.0140709	0.239273	0.0124491
0.0386222	0.433987	0.0115112	0.236101	0.0137512	0.238551	0.0168564
0.0472658	0.429551	0.0174449	0.24119	0.0128769	0.240909	0.0177575
0.0298682	0.427399	0.0179721	0.244653	0.0193901	0.240026	0.0162068
0.0369498	0.424716	0.0166305	0.23566	0.017091	0.237969	0.0179128
0.0423897	0.423655	0.0172403	0.241492	0.0142742	0.241434	0.0184477
0.0346627	0.422788	0.0260153	0.24092	0.0160347	0.24213	0.0186156
0.0434039	0.426262	0.0194732	0.240367	0.0172558	0.2373	0.0147779
0.0316453	0.422864	0.0206504	0.235397	0.0145531	0.243111	0.020314
0.0313298	0.416766	0.013355	0.244711	0.0148191	0.241291	0.0168781
0.0397436	0.418768	0.0179042	0.233287	0.0140818	0.236018	0.0164308
0.0348478	0.424208	0.0124565	0.238637	0.0213324	0.235243	0.0178082
0.0322181	0.42154	0.0181256	0.241361	0.0224114	0.24453	0.0157426
0.0336155	0.419797	0.0171931	0.240081	0.0185817	0.236114	0.0245502
0.0338597	0.414411	0.0122228	0.236947	0.0177449	0.235501	0.0179089
0.0427373	0.416822	0.0142669	0.241412	0.0149486	0.234452	0.0194229
0.033264	0.422664	0.0174152	0.240442	0.0155749	0.237748	0.0190739
0.0344603	0.416331	0.0194614	0.238081	0.0168544	0.235255	0.0169395
0.0394936	0.419402	0.0189437	0.236341	0.0160139	0.23881	0.0175817
0.0385123	0.417415	0.0191749	0.239817	0.014286	0.237645	0.0179959
0.0359626	0.412125	0.0152211	0.233679	0.0115277	0.235661	0.0160781
0.0313752	0.419755	0.0160282	0.235001	0.0131759	0.243434	0.0232771
0.0297175	0.421599	0.0189616	0.237909	0.0197348	0.231824	0.0174158
0.0315153	0.42267	0.0223296	0.243036	0.0159872	0.236164	0.0181435
0.0352495	0.416733	0.0175163	0.235882	0.0165001	0.240946	0.0187893
0.0433127	0.416327	0.0177315	0.235454	0.0114623	0.239167	0.017945
0.0354092	0.417398	0.0193892	0.236777	0.0132609	0.241086	0.0180503
0.0270859	0.423137	0.0140097	0.238967	0.0107688	0.244887	0.0196256
0.0367421	0.416384	0.0139708	0.24475	0.0156334	0.241105	0.0188978
0.0346756	0.416706	0.0203707	0.244787	0.0149402	0.237215	0.0142422
0.0387486	0.416952	0.0187537	0.246291	0.0174945	0.234962	0.0170258
0.0411288	0.41525	0.0159114	0.246176	0.015149	0.249713	0.0182447
0.0344498	0.417493	0.019311	0.242911	0.0125316	0.243127	0.017051
0.0362179	0.419527	0.0166981	0.239863	0.0157595	0.246516	0.0171495
0.0295133	0.419275	0.0196602	0.245013	0.014245	0.244413	0.0193676
0.0287029	0.424448	0.0123149	0.246666	0.0175636	0.244709	0.0172198
0.0397375	0.42318	0.0136604	0.245794	0.0205397	0.245031	0.0147768
0.0376683	0.419833	0.0158042	0.249554	0.0115385	0.246643	0.0212603
0.0296935	0.421532	0.0172049	0.24718	0.0139153	0.248771	0.0168964
0.0346275	0.419851	0.0146768	0.246465	0.0177814	0.256126	0.0207353
0.0389252	0.415456	0.0159521	0.249726	0.0147597	0.2492	0.0189501
0.0345616	0.412278	0.0170378	0.245706	0.0142602	0.250508	0.0201534

0.0366429	0.41553	0.0165187	0.254095	0.0149798	0.25509	0.0203739
0.0414786	0.417036	0.0159911	0.259145	0.0165377	0.255337	0.0160383
0.0346457	0.416898	0.0154961	0.255001	0.0188547	0.259704	0.0186095
0.0461404	0.41838	0.0175184	0.251447	0.0159876	0.263762	0.0222539
0.0321862	0.418841	0.0143975	0.251598	0.0133169	0.262454	0.018963
0.0300424	0.420267	0.0155532	0.25341	0.0153976	0.263948	0.0195644
0.041793	0.415252	0.018078	0.256249	0.0140649	0.273994	0.0187149
0.0370777	0.419197	0.013021	0.252839	0.0173876	0.272726	0.0216376
0.0330266	0.420535	0.0144428	0.251188	0.0146294	0.269874	0.021699
0.0262478	0.420393	0.0162391	0.259402	0.0156704	0.27934	0.0248237
0.0424888	0.416072	0.0163563	0.256676	0.0153439	0.280738	0.0217083
0.0354099	0.412331	0.0147233	0.256174	0.0138372	0.292204	0.0247353
0.0389657	0.417238	0.0179344	0.255878	0.0155225	0.292495	0.0252661
0.0341831	0.414896	0.0164641	0.256793	0.0134732	0.29322	0.0294909
0.0330551	0.423781	0.0186681	0.259334	0.0166146	0.297913	0.0235727
0.0357706	0.421632	0.0180672	0.259344	0.0144451	0.302368	0.0240532
0.0361021	0.416106	0.0152429	0.270644	0.0177375	0.310848	0.0282386
0.0381735	0.416957	0.0185382	0.25617	0.0151141	0.314342	0.0188869
0.0334017	0.415034	0.0144833	0.260327	0.0156107	0.312889	0.0300223
0.0283496	0.412605	0.0129988	0.263001	0.0174547	0.313103	0.0337054
0.0457688	0.412453	0.0175376	0.260936	0.0129992	0.310941	0.0307936
0.0398106	0.415599	0.0154347	0.266526	0.0199095	0.313964	0.0307738
0.0449681	0.413886	0.012134	0.262811	0.0178237	0.314604	0.0288104
0.0428704	0.408409	0.0125936	0.263617	0.0167188	0.317571	0.0326987
0.0393857	0.408273	0.0145721	0.264979	0.015477	0.310722	0.0256027
0.037476	0.407172	0.0151952	0.262813	0.0173756	0.312554	0.0355438
0.0358508	0.407262	0.0197233	0.260321	0.0167814	0.303266	0.0256318
0.0364007	0.403747	0.013149	0.261773	0.0141852	0.300111	0.0252843
0.035492	0.401483	0.0151225	0.256079	0.0163401	0.299576	0.0242542
0.0369888	0.402863	0.0170897	0.260762	0.0170128	0.296168	0.0252723
0.0307645	0.402401	0.0194179	0.262478	0.0172493	0.292766	0.0199751
0.0395873	0.401665	0.016253	0.257007	0.016432	0.290819	0.0316359
0.0420003	0.398453	0.0154712	0.254034	0.0123125	0.282391	0.0223119
0.0277698	0.390333	0.0138211	0.249715	0.0152955	0.276785	0.0249936
0.0307725	0.393466	0.0128197	0.247372	0.0185381	0.267664	0.0220174
0.0319938	0.394308	0.0151051	0.246247	0.0150065	0.268985	0.024277
0.0330772	0.392272	0.013335	0.25404	0.0174201	0.271682	0.0189224
0.0359896	0.391373	0.0133689	0.252699	0.0171021	0.265604	0.0164757
0.0361928	0.39216	0.0103582	0.252019	0.0145797	0.262246	0.0178199
0.0377474	0.390431	0.0130987	0.252723	0.0146483	0.258747	0.0162847
0.0381546	0.391202	0.0163059	0.253397	0.0161954	0.24736	0.0168355
0.0341811	0.389374	0.0160497	0.247749	0.0125935	0.254858	0.0187629
0.0287212	0.391476	0.0175517	0.246892	0.017383	0.260245	0.0245282
0.0346388	0.399185	0.0107967	0.242999	0.0155415	0.260838	0.0206307
0.035162	0.3874	0.012002	0.242197	0.0150966	0.261973	0.0176447
0.0261867	0.388429	0.0134618	0.247891	0.0140523	0.257529	0.0181638
0.0361893	0.388309	0.0121326	0.249143	0.014907	0.256182	0.0230698

0.0347512	0.389598	0.015028	0.252357	0.0164369	0.260373	0.0218091
0.041671	0.390695	0.0147185	0.247623	0.011059	0.26149	0.0169612
0.0371317	0.3924	0.0135137	0.251607	0.0173483	0.259441	0.0190671
0.0292654	0.390996	0.0123391	0.248925	0.017209	0.261915	0.0213596
0.0324212	0.389741	0.010756	0.24903	0.0162515	0.258016	0.0179402
0.0485707	0.393148	0.017555	0.253955	0.0161479	0.256512	0.0181962
0.0329451	0.389643	0.0181227	0.256247	0.0165983	0.26519	0.0220422
0.0340001	0.387549	0.0150368	0.250628	0.0143536	0.264771	0.0193533
0.0406995	0.390098	0.0165614	0.250244	0.0182757	0.263623	0.0168542
0.0419439	0.391317	0.018234	0.248506	0.0141684	0.261164	0.0173376
0.0356507	0.391253	0.0114351	0.253695	0.0113784	0.269301	0.0195349
0.0348849	0.395612	0.0155457	0.260104	0.0125173	0.265301	0.0161759
0.0323531	0.395965	0.0148675	0.25632	0.017904	0.268364	0.0194802
0.0367166	0.393924	0.0142721	0.255489	0.0125374	0.264683	0.0251788
0.0286205	0.393323	0.0117365	0.255014	0.0192305	0.263516	0.0165632
0.0337605	0.392257	0.0158998	0.259916	0.0133176	0.272508	0.0221598
0.0411414	0.39805	0.0184206	0.258963	0.0139807	0.263056	0.0160776
0.0319093	0.399477	0.0138977	0.260356	0.0131017	0.258639	0.0179728
0.033852	0.393985	0.0136109	0.265124	0.0124227	0.272878	0.0164964
0.0327059	0.396113	0.015441	0.261164	0.0117176	0.267759	0.0212574
0.0329393	0.401479	0.0173921	0.269363	0.0171357	0.268982	0.0200847
0.028204	0.40246	0.0141212	0.265059	0.0157131	0.271692	0.0193944
0.0355349	0.396777	0.015397	0.263926	0.0154669	0.265845	0.0194711
0.0235923	0.402671	0.0185724	0.270886	0.0173917	0.279744	0.0202696
0.0388001	0.403811	0.0143848	0.266135	0.0136081	0.272299	0.0193847
0.0342074	0.406873	0.0140398	0.265204	0.0160464	0.277598	0.0168999
0.0308666	0.404387	0.020345	0.270961	0.0178563	0.277412	0.0195002
0.0312072	0.408715	0.014211	0.272486	0.0138924	0.281272	0.0180937
0.0445887	0.413484	0.0173323	0.276873	0.019943	0.2747	0.0175223
0.0389423	0.416411	0.0137442	0.279181	0.0159222	0.281921	0.0177627
0.0444246	0.416918	0.0143402	0.275219	0.0161122	0.285841	0.0196293
0.0240386	0.417583	0.0146087	0.275876	0.0181036	0.293176	0.0176219
0.0439062	0.417305	0.0178338	0.276442	0.0188613	0.285674	0.0202713
0.0346897	0.421159	0.0193026	0.285536	0.0172213	0.2912	0.0205852
0.0382366	0.425309	0.0146197	0.287387	0.0118997	0.287358	0.0178015
0.0326898	0.423145	0.0145366	0.2891	0.0118113	0.297056	0.0214003
0.040071	0.425518	0.0136378	0.283936	0.0146948	0.297397	0.0222132
0.0345933	0.426004	0.0164048	0.29168	0.0185203	0.304643	0.0208435
0.0363562	0.430601	0.0176897	0.292157	0.0160708	0.305203	0.0239154
0.0369077	0.437366	0.0141739	0.298291	0.01646	0.309319	0.0194727
0.0381477	0.440396	0.0167175	0.294288	0.017727	0.312765	0.0201476
0.0364585	0.444573	0.0189691	0.311851	0.0152371	0.307971	0.020459
0.0425807	0.448332	0.0176173	0.308453	0.0153966	0.319724	0.0196662
0.0344847	0.454416	0.0155608	0.31468	0.0188084	0.323874	0.0245532
0.0385776	0.460929	0.0153041	0.312455	0.0243675	0.334231	0.0262079
0.0369052	0.465225	0.0143314	0.314506	0.0172435	0.345327	0.0255198
0.0352727	0.470955	0.0174713	0.322637	0.0153639	0.335443	0.0224756

0.0396855	0.471109	0.0161128	0.324539	0.017481	0.341925	0.0202469
0.0459344	0.479158	0.014111	0.331857	0.0193889	0.35012	0.0193457
0.0383598	0.484454	0.0179686	0.337397	0.0167927	0.353456	0.0228626
0.0421719	0.489257	0.0167941	0.339259	0.0190265	0.358608	0.0180711
0.03751	0.498705	0.0172208	0.34538	0.0253614	0.365806	0.0195915
0.044368	0.508893	0.013581	0.344521	0.0163891	0.365603	0.0242904
0.048557	0.518629	0.0157543	0.350572	0.0179242	0.381997	0.0281026
0.0374921	0.523263	0.0166316	0.36561	0.019196	0.387923	0.0301186
0.0505527	0.530342	0.02019	0.36597	0.0196331	0.392311	0.0193866
0.0388099	0.53919	0.0176756	0.37659	0.0179669	0.404557	0.0203034
0.0390637	0.547247	0.015956	0.381241	0.0181212	0.418569	0.0282249
0.0397629	0.55789	0.0186256	0.390789	0.0169445	0.426584	0.0230505
0.047739	0.572542	0.0191619	0.403404	0.0227726	0.427528	0.0238725
0.0408826	0.577282	0.0178193	0.410035	0.0180107	0.440122	0.0221292
0.0419429	0.593078	0.0190404	0.41881	0.0208276	0.448514	0.0267911
0.0407602	0.610323	0.0187357	0.425859	0.0187285	0.452033	0.0267201
0.0445503	0.615465	0.0210464	0.432829	0.0187172	0.467269	0.0266842
0.0446157	0.625962	0.0230385	0.45063	0.0255211	0.478266	0.0250656
0.0531105	0.638834	0.0229899	0.457055	0.0219198	0.493231	0.0324251
0.0435292	0.651341	0.0167815	0.47026	0.0188701	0.508898	0.0240535
0.0518816	0.666004	0.0187523	0.480667	0.0224866	0.51834	0.0264792
0.0616761	0.687543	0.0208961	0.499417	0.0229456	0.524782	0.0245185
0.0486968	0.700541	0.0212243	0.507863	0.0233678	0.54801	0.0339522
0.0501058	0.712904	0.0269648	0.513147	0.0274151	0.555662	0.027912
0.0517564	0.728546	0.0193262	0.524424	0.0281981	0.580081	0.0313744
0.0407645	0.746362	0.0202056	0.554655	0.0266867	0.572858	0.0269076
0.0551209	0.755085	0.0203742	0.565292	0.0229142	0.59868	0.031674
0.0560542	0.766122	0.0234326	0.578651	0.0280626	0.626534	0.0304952
0.0490676	0.782113	0.0263525	0.586925	0.0252837	0.633774	0.0308626
0.0548789	0.797862	0.0269638	0.602506	0.0206081	0.646446	0.0422688
0.0492161	0.809389	0.0256855	0.625527	0.0259288	0.662398	0.0279641
0.036757	0.824901	0.0195607	0.641372	0.0267596	0.677676	0.0308556
0.0535237	0.843292	0.0231534	0.657285	0.0266259	0.70034	0.0338806
0.0514744	0.854862	0.0192724	0.685383	0.0271961	0.71128	0.0281962
0.0613098	0.867851	0.0202639	0.686731	0.0233361	0.736713	0.0351319
0.0630335	0.876502	0.0221038	0.722028	0.0242996	0.74652	0.03479
0.0620185	0.886373	0.0230033	0.719338	0.0326287	0.753571	0.0376029
0.0631364	0.904726	0.0207525	0.730561	0.0274392	0.773043	0.0377463
0.0530376	0.913157	0.0227166	0.759976	0.0297125	0.792554	0.0333439
0.046779	0.923297	0.0223315	0.773144	0.0290197	0.805731	0.0382373
0.0524637	0.925443	0.0226282	0.792968	0.0268663	0.815342	0.0325052
0.0609754	0.938672	0.0213403	0.802554	0.0301176	0.835288	0.032294
0.0679108	0.951694	0.0267806	0.812878	0.0196902	0.850343	0.0390061
0.0567089	0.956644	0.0216653	0.831944	0.026491	0.85567	0.0381103
0.0742667	0.95806	0.0169288	0.848887	0.0353537	0.866599	0.0321775
0.0638075	0.968851	0.0198667	0.855637	0.0295533	0.876796	0.0401276
0.0689664	0.974993	0.015953	0.869656	0.0272496	0.892621	0.0447493

0.0628893	0.975755	0.0169561	0.884752	0.0265174	0.914257	0.0451445
0.0597283	0.972147	0.0200548	0.89988	0.0259811	0.902435	0.0364524
0.0629695	0.971667	0.0202804	0.907697	0.0243486	0.929067	0.032946
0.0496599	0.968315	0.0199656	0.910855	0.0286247	0.92174	0.0400309
0.0580825	0.971818	0.0207719	0.926247	0.025498	0.917314	0.0327214
0.05814	0.968725	0.0246105	0.936096	0.0296694	0.943165	0.0464089
0.0648555	0.966367	0.0266052	0.94382	0.031541	0.949431	0.0353945
0.0588387	0.967878	0.0218142	0.938864	0.0305535	0.943408	0.035188
0.0548317	0.957383	0.020135	0.949195	0.0301632	0.939789	0.0363271
0.0802022	0.948779	0.0239552	0.94917	0.0289116	0.947006	0.0325766
0.0472783	0.940516	0.021491	0.956894	0.0325299	0.944213	0.0316117
0.0576431	0.933683	0.021626	0.953866	0.0338575	0.947977	0.0411948
0.083169	0.933143	0.0235243	0.953535	0.0304989	0.939525	0.0333223
0.0585421	0.924452	0.0234001	0.949436	0.0261882	0.932703	0.040192
0.0601066	0.912761	0.0270636	0.934665	0.0348068	0.933639	0.0412737
0.0680318	0.900055	0.0240331	0.943739	0.0320082	0.925112	0.0404035
0.0599696	0.890455	0.0195784	0.946967	0.0333088	0.921067	0.0401594
0.0536944	0.873049	0.0199216	0.939268	0.032976	0.902638	0.0387432
0.055433	0.860341	0.017567	0.931257	0.0282739	0.901192	0.0456721
0.0571688	0.848362	0.0239047	0.923999	0.0286709	0.894608	0.0461311
0.0595534	0.83491	0.0209001	0.907968	0.0263509	0.887993	0.0435281
0.0662731	0.824779	0.0237178	0.898171	0.0342898	0.869831	0.0342749
0.0639529	0.810684	0.0238247	0.893278	0.0308382	0.859483	0.0418677
0.0431788	0.791541	0.0258565	0.881777	0.0358725	0.841776	0.0264098
0.0567606	0.776719	0.0272842	0.863987	0.0299888	0.832202	0.024421
0.0502742	0.766121	0.0198046	0.85004	0.0250093	0.819982	0.0293084
0.0721674	0.751121	0.0158127	0.835149	0.0321872	0.805622	0.0327737
0.0606053	0.735851	0.0195358	0.819828	0.0202368	0.793141	0.0303243
0.063327	0.71986	0.0222635	0.810727	0.026333	0.764662	0.0284328
0.0693294	0.702482	0.0182763	0.790815	0.0353506	0.757591	0.0373221
0.0673099	0.684332	0.0178206	0.782704	0.0292132	0.736426	0.0277104
0.0724869	0.667626	0.0212963	0.758544	0.0269977	0.724528	0.0324112
0.0678885	0.653423	0.0233952	0.752536	0.0285852	0.712149	0.0401421
0.0582169	0.638065	0.0227133	0.731379	0.0268082	0.698303	0.0306327
0.0553115	0.618278	0.0201146	0.71607	0.0259126	0.679432	0.0295201
0.0765005	0.604878	0.0166912	0.696106	0.0215413	0.656409	0.0327598
0.0658757	0.592379	0.0188488	0.688606	0.0261793	0.63387	0.0232882
0.0723515	0.580488	0.0229229	0.663628	0.0308037	0.619202	0.0290145
0.0521904	0.566796	0.0231919	0.646129	0.0264734	0.611352	0.0320327
0.0681785	0.554433	0.0219174	0.626391	0.0254521	0.587574	0.030118
0.0587321	0.539603	0.018659	0.620975	0.0296443	0.577475	0.0331435
0.0546033	0.529373	0.0166572	0.592926	0.0175485	0.569084	0.0233754
0.0653275	0.523387	0.0156105	0.573961	0.0204951	0.542699	0.0236894
0.0458256	0.505531	0.0170759	0.557676	0.0238973	0.530406	0.0288133
0.0483486	0.490913	0.0175536	0.547483	0.0229567	0.51951	0.0267812
0.055513	0.484832	0.0169598	0.5286	0.0216894	0.499925	0.0232159
0.0463638	0.475742	0.018815	0.515107	0.024656	0.488914	0.0221391



0.0546257	0.464394	0.0184341	0.502353	0.0195272	0.469276	0.0287758
0.0592901	0.453569	0.0160815	0.482675	0.0256678	0.468766	0.0280096
0.0387106	0.444288	0.0126846	0.477908	0.0195175	0.448609	0.0252795
0.0533253	0.432365	0.0145221	0.464131	0.0231387	0.436	0.02719
0.0458121	0.41953	0.0148983	0.449414	0.0209002	0.428887	0.0215529
0.0583217	0.414076	0.0124657	0.438765	0.0293498	0.413865	0.0225472
0.0542186	0.405982	0.0133523	0.420779	0.0210994	0.402422	0.0333723
0.0453495	0.396132	0.0159635	0.411186	0.0164323	0.402276	0.0246522
0.041335	0.39163	0.0134076	0.404861	0.0179353	0.38989	0.0240087
0.0517301	0.386767	0.0115846	0.398061	0.0188258	0.380071	0.0179707
0.0539654	0.378732	0.0101309	0.382772	0.0190948	0.365584	0.0237639
0.0370652	0.375071	0.0103774	0.374549	0.0231174	0.349952	0.0198644
0.0388154	0.370044	0.0106426	0.355247	0.0193805	0.345211	0.0192353
0.0407964	0.360159	0.0105497	0.357702	0.0163879	0.33516	0.0214502
0.0365464	0.35249	0.0149426	0.341413	0.0154753	0.33309	0.0175944
0.0333821	0.348444	0.0117632	0.337006	0.0130727	0.323752	0.0155544
0.0411668	0.344128	0.0109243	0.330269	0.0148596	0.315594	0.0276043
0.0395034	0.338532	0.0115371	0.319989	0.0161723	0.316969	0.0231928
0.0411823	0.33315	0.015158	0.311344	0.0134432	0.311631	0.0185106
0.0335574	0.330677	0.0102832	0.313477	0.0184671	0.28999	0.0176235
0.0460177	0.324907	0.0112658	0.294548	0.018357	0.292934	0.022905
0.036022	0.315355	0.0162722	0.293995	0.0158417	0.283657	0.0180452
0.03925	0.309706	0.0137571	0.286219	0.0162968	0.276215	0.0140843
0.0322716	0.308114	0.0107267	0.288027	0.0104409	0.276982	0.0229223
0.0346414	0.305957	0.0101654	0.272664	0.0132386	0.268775	0.0200901
0.0411858	0.301387	0.0131925	0.270745	0.0129937	0.263251	0.0215282
0.0306591	0.295343	0.0142065	0.260436	0.0178948	0.260384	0.0204678
0.0268385	0.294584	0.0101172	0.259895	0.012901	0.258867	0.019892
0.0381088	0.290623	0.00818192	0.260199	0.0172787	0.246676	0.0210143
0.0348602	0.284869	0.0114583	0.249085	0.0171978	0.24311	0.0172687
0.0361705	0.283231	0.0116043	0.245906	0.0167303	0.239289	0.0185594
0.0378473	0.276476	0.0127805	0.239952	0.0140873	0.237602	0.0154251
0.0347298	0.272525	0.0139374	0.232611	0.0140705	0.227968	0.0157703
0.0306058	0.269772	0.0107791	0.231221	0.0105265	0.229418	0.0125239
0.0382161	0.267669	0.0107551	0.225468	0.0136278	0.221845	0.0180972
0.0271581	0.265296	0.0109784	0.223545	0.0145706	0.221429	0.0155388
0.0356827	0.261597	0.010477	0.216211	0.0155012	0.216135	0.0153627
0.0326509	0.261201	0.0132117	0.213982	0.014128	0.212964	0.0146097
0.0322201	0.259833	0.010473	0.210096	0.010217	0.207638	0.0196462
0.0311154	0.255473	0.00976098	0.210227	0.0112513	0.209606	0.0124068
0.0378099	0.25492	0.0101239	0.204755	0.015626	0.200679	0.0162127
0.0338507	0.251372	0.010012	0.199423	0.0131597	0.197333	0.0179001
0.0339479	0.247581	0.0109653	0.199042	0.012334	0.192417	0.0152791
0.0354896	0.248974	0.0116044	0.193134	0.0126111	0.188635	0.0184498
0.0383387	0.249254	0.0119215	0.190233	0.0131945	0.196382	0.0132816
0.0396512	0.250715	0.00938004	0.189643	0.0131971	0.18804	0.0118942
0.0381752	0.250464	0.00967716	0.190023	0.0123089	0.187883	0.0167628

0.0316589	0.25298	0.010526	0.189343	0.0148985	0.183809	0.0128855
0.0339491	0.256699	0.0100508	0.184591	0.0102186	0.188164	0.0149639
0.0327655	0.261576	0.00850483	0.184643	0.0106205	0.188796	0.0164008
0.0320728	0.26698	0.00916157	0.183584	0.0124738	0.182353	0.01404
0.0301792	0.273797	0.0110121	0.182528	0.0145553	0.19107	0.015013
0.0384695	0.280203	0.0120425	0.183721	0.0160807	0.189401	0.017355
0.0415115	0.284996	0.0124784	0.186081	0.0148133	0.192529	0.0148511
0.0368676	0.295719	0.012366	0.195317	0.0119537	0.198702	0.0194626
0.0339903	0.310272	0.0116014	0.196748	0.013842	0.204635	0.0133582
0.0411568	0.323902	0.0114976	0.197633	0.0142698	0.210276	0.0168589
0.0458891	0.336717	0.0109787	0.207135	0.0141042	0.215411	0.0121909
0.0326953	0.350819	0.0111387	0.212722	0.0132352	0.230429	0.0143525
0.0401049	0.366509	0.0119812	0.226473	0.013906	0.233228	0.0184979
0.0515572	0.387037	0.0144152	0.234862	0.013526	0.245426	0.0221248
0.0394696	0.405807	0.0137833	0.246761	0.0155626	0.259552	0.0165705
0.0523867	0.425861	0.0134653	0.256068	0.0172037	0.272059	0.0208442
0.0336263	0.446545	0.0101592	0.27182	0.0144898	0.285752	0.0233213
0.0560612	0.465416	0.010617	0.292741	0.0162033	0.30561	0.0156332
0.0490591	0.48622	0.0121822	0.301932	0.0193628	0.318542	0.0235122
0.0603253	0.505935	0.0140123	0.322045	0.0118688	0.343841	0.0185248
0.0574051	0.529698	0.0151862	0.339704	0.0171032	0.349795	0.0172956
0.0539122	0.54759	0.0168355	0.369546	0.0176415	0.380675	0.0176811
0.0656639	0.564156	0.0168158	0.388838	0.0201768	0.395477	0.0228594
0.0732415	0.586118	0.0158174	0.410568	0.0207992	0.411866	0.0273884
0.0602273	0.604491	0.014134	0.436697	0.0234429	0.437621	0.0261478
0.0542664	0.622502	0.0176964	0.455886	0.0234878	0.458697	0.0260232
0.0782791	0.635551	0.023812	0.472058	0.0259701	0.491165	0.028345
0.0755266	0.64784	0.0172335	0.501802	0.0267867	0.494893	0.0238509
0.067301	0.665585	0.0212245	0.519384	0.0192007	0.518857	0.025514
0.0741438	0.677589	0.0197984	0.541693	0.0197367	0.537361	0.0279279
0.0749942	0.680898	0.0201059	0.558471	0.0253307	0.557485	0.0241026
0.0879594	0.683094	0.0202966	0.581921	0.0234809	0.571465	0.0235049
0.0925311	0.687328	0.0189221	0.601203	0.0246205	0.589893	0.0349122
0.0967296	0.692113	0.020981	0.609388	0.0256675	0.592655	0.030601
0.079853	0.686562	0.0251264	0.634672	0.0303463	0.608836	0.0273712
0.0849879	0.672171	0.021696	0.639239	0.0322624	0.616039	0.0262889
0.102612	0.659537	0.0173055	0.652833	0.0354838	0.610406	0.026554
0.0854993	0.646843	0.0139434	0.659701	0.0274104	0.616983	0.0347793
0.101276	0.633347	0.015193	0.65317	0.0321107	0.619344	0.0287841
0.0929962	0.61498	0.0195891	0.662145	0.0325084	0.616628	0.0272638
0.073405	0.592149	0.0170789	0.664338	0.0288474	0.604736	0.0268609
0.106723	0.568012	0.015572	0.664166	0.0253508	0.594829	0.0286354
0.120978	0.542192	0.0141073	0.644667	0.0324011	0.58672	0.0336446
0.0922195	0.513	0.0153968	0.64113	0.0249493	0.57005	0.0281693
0.099384	0.482993	0.0120556	0.609956	0.0319298	0.556207	0.0306544
0.0939418	0.45482	0.0122267	0.598443	0.0240237	0.541707	0.0280303
0.0997095	0.427684	0.0144778	0.579055	0.0200652	0.517206	0.028462

0.0885118	0.4036	0.0131102	0.550964	0.030309	0.491369	0.0325071
0.0784901	0.377438	0.0136907	0.525346	0.0272267	0.453994	0.0262647
0.0737988	0.349235	0.0144286	0.502879	0.0218817	0.429826	0.0278824
0.0786694	0.327918	0.0130222	0.47282	0.020437	0.405457	0.0268368
0.0832691	0.303406	0.0102286	0.440703	0.0251306	0.373194	0.0203622
0.0612264	0.281539	0.0117688	0.408029	0.0162226	0.345709	0.0169579
0.0578752	0.269357	0.012716	0.378165	0.0183529	0.320792	0.0185395
0.0674407	0.25369	0.0113593	0.349063	0.0138694	0.294327	0.0192807
0.051268	0.235403	0.010396	0.323796	0.0187361	0.266897	0.0131805
0.0470863	0.224187	0.0100283	0.296916	0.0151954	0.25239	0.01772
0.0540734	0.213877	0.00893492	0.272312	0.0159684	0.22935	0.0150071
0.0415996	0.205153	0.0107251	0.254477	0.0193958	0.215886	0.0176982
0.047576	0.200263	0.00783811	0.229368	0.0126385	0.192531	0.0182062
0.0477401	0.194241	0.00692413	0.205016	0.0136874	0.179318	0.015408
0.0300142	0.188731	0.00861725	0.193949	0.0137532	0.167808	0.0148396
0.0365469	0.184174	0.00867567	0.178955	0.0138361	0.1548	0.0159584
0.028323	0.182258	0.00820797	0.169769	0.0140171	0.153115	0.0160662
0.035907	0.179604	0.00773793	0.155363	0.0104546	0.140002	0.0151528
0.0323528	0.176644	0.00764366	0.152262	0.0106037	0.136013	0.0152473
0.0299665	0.175718	0.00876643	0.140681	0.0130642	0.129518	0.0141955
0.0270815	0.17281	0.00836613	0.137292	0.0136263	0.126734	0.0115328
0.031839	0.170646	0.00737785	0.129839	0.00975833	0.123173	0.0099359
0.023076	0.172019	0.00778423	0.124343	0.0100539	0.123188	0.0125388
0.0252878	0.170635	0.00790476	0.12606	0.0121374	0.120441	0.0132091
0.0364125	0.168426	0.00921928	0.11696	0.00789095	0.115536	0.0120762
0.0260675	0.168203	0.0104183	0.117971	0.0100183	0.114628	0.0125982
0.0322828	0.168011	0.00751165	0.118163	0.0104184	0.116286	0.0124621
0.0224529	0.169347	0.00895898	0.118144	0.0114755	0.112013	0.0111058
0.0256496	0.170642	0.0095648	0.116209	0.00815836	0.112089	0.0118751
0.0286439	0.169194	0.0103954	0.113818	0.010363	0.115911	0.012722
0.0210231	0.167986	0.00741552	0.112355	0.0107474	0.112942	0.0133818
0.0259321	0.16953	0.00855666	0.116629	0.0101421	0.1117	0.010972
0.0207879	0.172645	0.00872184	0.112854	0.0108656	0.117062	0.0110926
0.0220968	0.171524	0.00807526	0.114237	0.00634563	0.119274	0.0122442
0.0207714	0.168712	0.00744397	0.115609	0.0107075	0.118575	0.0144215
0.0251081	0.169957	0.00732525	0.117696	0.0122816	0.117445	0.0119207
0.0198871	0.171598	0.0108847	0.117639	0.00963507	0.1132	0.0147284
0.0304519	0.173181	0.0113088	0.116846	0.0108413	0.112352	0.00919493
0.0254495	0.173956	0.00972527	0.114391	0.0111164	0.115713	0.01146
0.0226373	0.174948	0.00819171	0.11273	0.0119975	0.11606	0.0115266
0.0216702	0.176199	0.00781007	0.118237	0.011209	0.116497	0.0108618
0.0261412	0.175196	0.00759933	0.120065	0.0122582	0.118386	0.0103616
0.0235591	0.177419	0.0072629	0.119782	0.0105779	0.117551	0.0112159
0.0252912	0.179955	0.00914775	0.118832	0.0106206	0.118355	0.0104166
0.0252539	0.178117	0.0101948	0.120608	0.0122131	0.119774	0.0106866
0.0286642	0.174614	0.00852516	0.120549	0.0124759	0.11982	0.0125921
0.0198433	0.173785	0.00748054	0.122196	0.0106185	0.125282	0.0118697

0.0267957	0.176744	0.00869528	0.121443	0.0094337	0.126649	0.0143971
0.0205817	0.180199	0.0102275	0.119844	0.0101525	0.123433	0.0138334
0.0237775	0.179986	0.0126081	0.124366	0.0126281	0.12195	0.0120719
0.0275517	0.180411	0.00982481	0.123528	0.0089807	0.128604	0.0139932
0.0238738	0.182535	0.0102076	0.126564	0.0126246	0.129054	0.0117067
0.0248718	0.185136	0.00951424	0.12547	0.00966249	0.130736	0.0132092
0.0230128	0.187087	0.00862778	0.130993	0.00813954	0.126265	0.00929173
0.0272171	0.18818	0.010425	0.128428	0.00887737	0.133585	0.0131707
0.0195466	0.189007	0.0108048	0.127718	0.0109008	0.132981	0.015578
0.023979	0.18987	0.00858879	0.130624	0.00973808	0.136269	0.0120752
0.0260836	0.190732	0.00810961	0.132461	0.0118196	0.136967	0.0143256
0.0305166	0.189754	0.0110841	0.132284	0.0112092	0.136613	0.0116072
0.0246101	0.193048	0.0104957	0.133125	0.011096	0.138814	0.0158401
0.0211813	0.196322	0.0114637	0.139623	0.0115045	0.137149	0.013881
0.0290172	0.195233	0.0102278	0.140044	0.0108475	0.133634	0.0120355
0.0222481	0.193596	0.00885864	0.143092	0.0131492	0.140449	0.0143364
0.02394	0.197949	0.00890883	0.139486	0.00843923	0.143957	0.00897351
0.0311431	0.197629	0.00898524	0.143378	0.0100056	0.142836	0.0169299
0.0232894	0.194099	0.00905429	0.144162	0.0110193	0.147553	0.0125955
0.0252591	0.197444	0.0107786	0.145446	0.0118549	0.150248	0.0106334
0.0261131	0.199907	0.00967535	0.146529	0.014243	0.154051	0.0135478
0.0288547	0.20141	0.00861808	0.152456	0.0106938	0.150096	0.0140619
0.0235059	0.201863	0.00996916	0.149859	0.0151307	0.151975	0.0146699
0.0255689	0.20092	0.00988273	0.153107	0.010649	0.156639	0.0171358
0.0271253	0.204356	0.00790213	0.153167	0.00707604	0.157039	0.0139374
0.026893	0.201933	0.00898684	0.153682	0.0104289	0.156597	0.0107228
0.0321093	0.203049	0.00975137	0.159159	0.0151188	0.156721	0.0151804
0.0241523	0.208082	0.0093383	0.158896	0.0106804	0.161528	0.0131388

SB Gy		SB X1		SB SNF		SB SF
mean	std	mean	std	mean	std	mean
0.372716	0.0213241	0.308687	0.11143	0.207508	0.0201546	2.26705
0.380266	0.0261759	0.310137	0.108058	0.206511	0.0142846	2.22612
0.381494	0.0303519	0.315931	0.113678	0.210907	0.0169403	2.22689
0.383343	0.029217	0.308801	0.110392	0.208779	0.015025	2.24404
0.372164	0.0223948	0.302719	0.114408	0.205839	0.01184	2.23019
0.380273	0.0258454	0.306009	0.102969	0.208633	0.0155606	2.24663
0.37502	0.0201682	0.30645	0.112916	0.207516	0.0176179	2.21478
0.384129	0.0277388	0.303618	0.109196	0.202652	0.0127888	2.21132
0.376635	0.0294942	0.304958	0.109611	0.205249	0.0114203	2.20511
0.383255	0.033965	0.308482	0.111941	0.201042	0.016722	2.22559
0.372901	0.0254062	0.302535	0.107534	0.200532	0.014472	2.22557
0.371613	0.0267283	0.304841	0.103103	0.202207	0.0137443	2.2116
0.375027	0.0257698	0.311067	0.11518	0.206187	0.0165375	2.2145
0.376517	0.0267551	0.301094	0.109106	0.197679	0.0140839	2.20371
0.372764	0.023906	0.303709	0.108588	0.20063	0.0131395	2.20423
0.373007	0.0307179	0.302503	0.118517	0.198765	0.0144961	2.19836
0.371699	0.0209773	0.306898	0.107371	0.202522	0.0167546	2.24487
0.380479	0.031546	0.305782	0.114464	0.20357	0.0183039	2.21676
0.384404	0.0293727	0.30831	0.106408	0.208729	0.0180684	2.22763
0.389884	0.0297627	0.30877	0.113979	0.210373	0.0150397	2.23912
0.391656	0.0274233	0.315307	0.121606	0.216098	0.0143232	2.22939
0.399688	0.0238505	0.323118	0.11579	0.216713	0.016274	2.25873
0.410974	0.0250151	0.320944	0.114184	0.224228	0.0167299	2.23157
0.408896	0.0235667	0.327772	0.11891	0.224229	0.0158453	2.2213
0.421748	0.0236502	0.335759	0.120594	0.225353	0.0146191	2.2515
0.4241	0.0249547	0.332906	0.118561	0.227717	0.0187557	2.28104
0.416492	0.0285785	0.32266	0.120953	0.224952	0.0167007	2.24066
0.415808	0.0241955	0.323395	0.117069	0.222697	0.0128967	2.27249
0.416166	0.0305974	0.320343	0.12387	0.222966	0.0160793	2.2444
0.407442	0.023805	0.321871	0.118168	0.21837	0.0165654	2.20182
0.398192	0.0233872	0.314741	0.119057	0.217483	0.0141103	2.23863
0.394454	0.0223466	0.308351	0.116626	0.211371	0.0145995	2.20453
0.387544	0.0273999	0.309562	0.117825	0.215614	0.0160385	2.20318
0.383359	0.0315601	0.307094	0.112969	0.217671	0.0153202	2.1886
0.370008	0.0225174	0.302818	0.110933	0.215103	0.0140671	2.17309
0.370649	0.0260253	0.307004	0.12029	0.218269	0.0145846	2.19934
0.371458	0.0252193	0.304061	0.1133	0.232976	0.0215142	2.18793
0.374266	0.0231795	0.31698	0.117024	0.254039	0.0216309	2.23924
0.378974	0.0269045	0.334086	0.124367	0.296554	0.0250523	2.2608
0.380536	0.0242832	0.363993	0.134331	0.359281	0.0327462	2.36981
0.390441	0.0236091	0.405212	0.162832	0.466959	0.0449386	2.4847
0.399948	0.0243715	0.458066	0.179872	0.606444	0.0580343	2.69445
0.412937	0.0172393	0.531656	0.202839	0.78837	0.0726182	2.96039
0.43221	0.0303715	0.625153	0.25539	1.0177	0.110837	3.24064
0.450375	0.025193	0.726693	0.2906	1.275	0.143062	3.61264

0.472457	0.0277405	0.827076	0.338911	1.53985	0.179596	3.94844
0.498	0.0292648	0.92193	0.38439	1.77575	0.20439	4.23805
0.512533	0.0328701	0.997562	0.404046	1.95232	0.211892	4.54869
0.515413	0.0293187	1.03541	0.433121	2.04788	0.2165	4.64071
0.530284	0.0355724	1.03113	0.425199	2.05295	0.230785	4.62252
0.520182	0.03097	0.998692	0.40832	1.95366	0.216282	4.53226
0.511319	0.0291712	0.922986	0.371008	1.77308	0.203659	4.24779
0.495357	0.0286304	0.826326	0.338303	1.53331	0.166427	3.96532
0.476559	0.0297605	0.719981	0.291374	1.28793	0.131374	3.63702
0.455196	0.0236857	0.634273	0.25819	1.04649	0.106603	3.26762
0.431886	0.0298639	0.552862	0.225438	0.832537	0.0892648	2.98713
0.425728	0.0258066	0.495119	0.206384	0.653595	0.0658854	2.73518
0.405181	0.0233254	0.441898	0.172671	0.517751	0.0444023	2.54658
0.393977	0.0290388	0.41604	0.16779	0.427232	0.0406478	2.4497
0.395433	0.0249935	0.410751	0.170068	0.366832	0.0354811	2.36178
0.397644	0.0212563	0.429937	0.174395	0.348152	0.0341047	2.35305
0.396738	0.0225985	0.492124	0.205547	0.375542	0.033471	2.42599
0.41182	0.0234825	0.625702	0.273439	0.448361	0.0410147	2.65436
0.426622	0.023352	0.83627	0.381326	0.602861	0.0603015	3.0602
0.473306	0.0280582	1.16679	0.544323	0.851281	0.08076	3.69562
0.546224	0.0327075	1.68261	0.824195	1.2178	0.128112	4.66518
0.632605	0.0390847	2.38746	1.19222	1.7422	0.190994	6.05742
0.751081	0.0510928	3.30963	1.67876	2.4423	0.259821	7.85826
0.903525	0.0600441	4.4363	2.26747	3.29573	0.350514	10.0376
1.10555	0.0808396	5.72337	2.93666	4.2536	0.476974	12.5634
1.30088	0.105435	7.00565	3.58587	5.24586	0.590371	15.0729
1.51293	0.128142	8.1862	4.20222	6.18516	0.676862	17.5132
1.69474	0.124461	9.1074	4.65871	6.92793	0.755638	19.4821
1.82472	0.14738	9.66204	4.982	7.35558	0.802061	20.7207
1.89005	0.139062	9.73003	5.02615	7.4404	0.817311	20.9289
1.89167	0.147937	9.28289	4.79974	7.17631	0.790804	20.2087
1.82637	0.1431	8.52538	4.43293	6.58509	0.745883	18.7626
1.68839	0.129044	7.44728	3.86628	5.79957	0.651236	16.6874
1.54518	0.101766	6.20425	3.22901	4.82574	0.529498	14.2816
1.34241	0.0978442	4.98819	2.58356	3.88855	0.424243	11.831
1.17637	0.0739933	3.87888	1.98508	3.03865	0.338053	9.58169
1.048	0.0608868	2.96262	1.51594	2.28861	0.252183	7.653
0.929764	0.0550786	2.22124	1.10317	1.7002	0.176317	6.12153
0.844002	0.0460938	1.69994	0.822942	1.28203	0.140309	5.01296
0.798807	0.042529	1.29346	0.635097	0.964635	0.0995608	4.15967
0.759484	0.0497701	1.0076	0.491736	0.737116	0.0700289	3.53289
0.739432	0.0408895	0.804514	0.367258	0.571295	0.0515317	3.11701
0.722478	0.0376147	0.653943	0.287976	0.459817	0.0415526	2.79794
0.711702	0.036852	0.545005	0.237343	0.382824	0.0296623	2.56781
0.713068	0.0344655	0.467788	0.18772	0.320754	0.0224117	2.4246
0.715768	0.0485585	0.416318	0.160499	0.279257	0.0236065	2.32891
0.707745	0.0404225	0.375455	0.15611	0.251075	0.0188884	2.22138

0.70294	0.0483059	0.365689	0.143013	0.235823	0.0184049	2.16409
0.69537	0.0524448	0.353624	0.135396	0.228827	0.0196343	2.12041
0.658041	0.0426863	0.351998	0.13518	0.230167	0.0193892	2.12755
0.619547	0.054873	0.36345	0.143291	0.245096	0.0261421	2.12955
0.596756	0.0603676	0.367933	0.138046	0.257039	0.0282007	2.16679
0.571603	0.0478929	0.377293	0.149385	0.275938	0.0238608	2.17966
0.554683	0.0407247	0.380871	0.150545	0.291092	0.0252262	2.26163
0.560185	0.0433066	0.396303	0.150479	0.307689	0.0285898	2.30729
0.56399	0.0399822	0.400382	0.156765	0.3205	0.0305121	2.34532
0.570893	0.0320076	0.403593	0.161035	0.322581	0.0287649	2.37597
0.593637	0.0300065	0.394992	0.15717	0.324975	0.028041	2.40083
0.617765	0.0384793	0.390673	0.154935	0.315294	0.0264028	2.385
0.638362	0.0392277	0.387107	0.152566	0.299061	0.0291838	2.39445
0.654538	0.0403441	0.367996	0.147188	0.282108	0.0238274	2.37641
0.663806	0.0299902	0.353201	0.134942	0.264062	0.0193023	2.329
0.672772	0.0273933	0.338839	0.126049	0.245692	0.0189113	2.30572
0.673502	0.0333002	0.324438	0.12248	0.227351	0.0168124	2.25332
0.682997	0.0307671	0.322614	0.126107	0.212391	0.0160212	2.24438
0.700228	0.0397011	0.316523	0.118459	0.200822	0.0131792	2.20157
0.705575	0.0356558	0.308624	0.115244	0.193976	0.013225	2.14537
0.735114	0.0378579	0.302599	0.117071	0.185852	0.0131275	2.1195
0.767705	0.0382508	0.303824	0.115368	0.182476	0.0134558	2.08954
0.84213	0.0382054	0.299923	0.115882	0.182631	0.013154	2.07054
0.963136	0.0428276	0.310419	0.119066	0.18193	0.0139612	2.05216
1.15721	0.054753	0.326413	0.126641	0.182409	0.0135025	2.03342
1.49855	0.068892	0.35402	0.135697	0.190295	0.0139952	2.0309
2.05752	0.0840323	0.387438	0.151238	0.203176	0.0126854	2.02306
2.92723	0.119234	0.438565	0.179398	0.22129	0.0123775	2.02361
4.27618	0.156162	0.528339	0.216428	0.249639	0.0157115	2.06502
6.28791	0.231019	0.658184	0.27863	0.297006	0.0205493	2.11373
9.13014	0.310094	0.838328	0.352795	0.36308	0.0291593	2.17742
12.9534	0.451718	1.06585	0.4499	0.448346	0.0386632	2.26574
17.8921	0.650147	1.3422	0.586116	0.548835	0.0462272	2.38176
23.8371	0.826144	1.65603	0.738172	0.669816	0.0576188	2.52048
30.6409	1.0168	1.99616	0.884357	0.796993	0.0718903	2.65862
37.7573	1.32311	2.33261	1.04278	0.914228	0.0824123	2.77446
44.5817	1.5909	2.62883	1.19158	1.02309	0.0886223	2.87576
50.4373	1.81811	2.85265	1.29126	1.10644	0.0992407	2.99498
54.5841	1.91153	2.96735	1.33311	1.14736	0.106344	3.06978
56.4233	1.97923	2.96864	1.33483	1.14424	0.107357	3.04752
55.7988	1.94306	2.83253	1.2735	1.10496	0.101203	3.00556
52.7842	1.81533	2.62941	1.1646	1.0296	0.096212	2.89699
47.7514	1.65581	2.33956	1.03089	0.919819	0.0795879	2.77613
41.3805	1.43442	2.00591	0.880313	0.796082	0.0685334	2.65473
34.315	1.16852	1.66569	0.717452	0.671587	0.0574162	2.48588
27.3487	0.939717	1.36255	0.573979	0.558863	0.0425947	2.3481
21.0934	0.739198	1.10761	0.451712	0.459656	0.0328311	2.26231

15.7949	0.558569	0.905387	0.364836	0.380952	0.0256029	2.16465
11.6894	0.411496	0.746742	0.300044	0.325935	0.021689	2.08963
8.75696	0.310487	0.647243	0.246455	0.291486	0.0193821	2.04419
6.78892	0.229867	0.590655	0.222645	0.270325	0.0172872	2.01471
5.58353	0.192327	0.546215	0.199974	0.257542	0.0175151	2.02301
4.90036	0.176586	0.521495	0.191282	0.252011	0.015264	2.00817
4.54975	0.171108	0.510498	0.186851	0.248095	0.0126222	1.99517
4.34428	0.160519	0.500644	0.181503	0.240823	0.015278	2.00217
4.16705	0.143103	0.479409	0.18048	0.237179	0.0147405	2.00935
3.91412	0.138431	0.458802	0.171211	0.235576	0.0154482	2.02089
3.59086	0.140698	0.433704	0.160275	0.22889	0.0146087	2.00782
3.1958	0.111948	0.408099	0.148062	0.216873	0.0140069	1.99593
2.75212	0.0897652	0.384644	0.144042	0.208053	0.0115156	2.00099
2.2936	0.0769859	0.363698	0.133346	0.198747	0.0106627	2.00007
1.88007	0.071502	0.344482	0.125015	0.195545	0.00993633	2.00998
1.49248	0.0614355	0.335581	0.124535	0.193926	0.0113217	2.04297
1.1772	0.0450162	0.329372	0.122134	0.194349	0.0120945	2.08797
0.941556	0.0349625	0.32409	0.121432	0.203467	0.0136228	2.15856
0.769069	0.0357297	0.334488	0.127329	0.215116	0.0150431	2.28644
0.655884	0.0295008	0.35587	0.137845	0.233306	0.0175646	2.48138
0.601404	0.0281233	0.378907	0.138514	0.262196	0.0194287	2.73297
0.595001	0.0322782	0.413405	0.145295	0.298956	0.0199477	3.09541
0.621957	0.0407109	0.458681	0.165515	0.346322	0.0236429	3.5966
0.687865	0.0452526	0.510415	0.180859	0.407298	0.0318296	4.19223
0.786704	0.0632332	0.57374	0.202611	0.477706	0.0405266	4.94463
0.910689	0.0808785	0.640982	0.23069	0.549335	0.0477551	5.7714
1.05246	0.0953228	0.703966	0.251623	0.623658	0.0547991	6.63497
1.19908	0.124151	0.771852	0.271892	0.698599	0.0604395	7.45958
1.33325	0.14497	0.835163	0.295429	0.760895	0.0712701	8.21712
1.44697	0.15292	0.87121	0.309238	0.806209	0.0735183	8.83745
1.53845	0.17251	0.891144	0.310166	0.832373	0.072362	9.19713
1.58605	0.187399	0.891669	0.310804	0.831719	0.074484	9.27493
1.57439	0.183575	0.874711	0.307372	0.812981	0.0703834	9.07119
1.51674	0.181831	0.838683	0.296215	0.778119	0.0643628	8.71355
1.43153	0.152791	0.799337	0.28467	0.726501	0.0595233	8.22988
1.32344	0.140409	0.771613	0.277635	0.675143	0.053512	7.68159
1.1962	0.131814	0.750396	0.271294	0.624499	0.0427745	7.19325
1.0775	0.110467	0.737163	0.267383	0.590004	0.0377481	6.79893
0.976032	0.0815855	0.73412	0.262622	0.567045	0.0403301	6.58103
0.886271	0.0589615	0.754314	0.273936	0.553876	0.036669	6.53038
0.834327	0.053636	0.788877	0.300048	0.560058	0.0368268	6.61117
0.804654	0.0393803	0.827902	0.32288	0.575952	0.0448562	6.84031
0.783499	0.0354921	0.866698	0.331081	0.589046	0.0438771	7.06688
0.778389	0.0426232	0.885186	0.335698	0.600049	0.0436904	7.22244
0.779036	0.0401601	0.899677	0.344373	0.604876	0.0423049	7.29915
0.780779	0.0297967	0.901004	0.343095	0.601477	0.0414725	7.23966
0.776833	0.0336248	0.872978	0.32832	0.585795	0.0406707	7.03121



0.77079	0.0328023	0.831844	0.307529	0.557308	0.0401937	6.65747
0.755934	0.0271153	0.79433	0.292759	0.526256	0.0372796	6.21576
0.738013	0.0314278	0.754504	0.277459	0.496722	0.0299141	5.70833
0.718921	0.0326773	0.705575	0.252949	0.460272	0.0286796	5.15287
0.703013	0.0336959	0.661811	0.231549	0.424372	0.03007	4.65589
0.697636	0.0343313	0.622078	0.217124	0.398554	0.0286348	4.20989
0.69787	0.0314584	0.584813	0.204106	0.373926	0.027642	3.79727
0.688885	0.030187	0.557383	0.191471	0.349281	0.0215223	3.47118
0.679076	0.0364028	0.53922	0.1804	0.330443	0.0205738	3.20802
0.678533	0.0334932	0.520488	0.173819	0.314624	0.0204336	2.97128
0.678414	0.030876	0.506717	0.171121	0.302833	0.0194453	2.78465
0.670694	0.0337615	0.497199	0.165102	0.289576	0.0214027	2.63199
0.661744	0.0384873	0.48068	0.159596	0.276509	0.020021	2.50839
0.650916	0.0377832	0.470257	0.158623	0.264286	0.0187317	2.40091
0.638708	0.0352241	0.455598	0.15358	0.252195	0.016548	2.31534
0.626833	0.0333965	0.435287	0.15252	0.242166	0.0146855	2.23076
0.602146	0.0349021	0.425411	0.151627	0.231557	0.0163674	2.1613
0.577522	0.0303192	0.416105	0.144146	0.218503	0.0148076	2.1087
0.559569	0.0285785	0.401517	0.141564	0.210852	0.015712	2.04696
0.536042	0.0271029	0.389835	0.140898	0.20743	0.0138333	1.98956
0.51879	0.0226814	0.384254	0.141786	0.200883	0.0139005	1.95899
0.505612	0.0245369	0.381385	0.146725	0.193327	0.011364	1.93358
0.498301	0.0284991	0.379529	0.148268	0.191337	0.0114634	1.92274
0.495228	0.0276086	0.381737	0.144595	0.193668	0.0119929	1.9095
0.490933	0.0229089	0.385409	0.149215	0.196442	0.0108395	1.90467
0.489591	0.0224953	0.388345	0.146214	0.201656	0.0135851	1.91316
0.487884	0.0231697	0.388824	0.146106	0.207841	0.0145945	1.92712
0.487348	0.0263137	0.395524	0.152166	0.213895	0.0130022	1.91507
0.493624	0.0259613	0.406339	0.156672	0.227105	0.0142201	1.9441
0.505962	0.0293031	0.41645	0.159797	0.247886	0.0171306	1.97362
0.524971	0.0298974	0.43672	0.167502	0.281109	0.0179059	2.0227
0.526903	0.0262914	0.472575	0.184915	0.329265	0.0222421	2.0947
0.533581	0.0270116	0.518163	0.205931	0.396884	0.0304104	2.1926
0.546232	0.0264137	0.588332	0.240898	0.506759	0.0374853	2.35718
0.564335	0.0262866	0.680065	0.282539	0.667198	0.0469872	2.5971
0.579431	0.0323719	0.798719	0.342557	0.883594	0.0654907	2.94332
0.593735	0.0338645	0.95129	0.424463	1.17341	0.0785575	3.39756
0.607313	0.0266893	1.15995	0.523642	1.53697	0.103085	3.94453
0.636288	0.029684	1.41575	0.647692	1.97639	0.146032	4.61785
0.665248	0.0321439	1.68099	0.786597	2.47683	0.195348	5.41398
0.694318	0.0242754	1.97759	0.934614	3.01369	0.238984	6.23053
0.72288	0.0294067	2.27474	1.0754	3.54086	0.274383	7.02476
0.766697	0.0365183	2.52657	1.1987	4.01424	0.30405	7.78565
0.801274	0.0439138	2.69282	1.29943	4.38106	0.32427	8.37833
0.818638	0.049581	2.81864	1.37	4.62469	0.346757	8.76324
0.831094	0.0442562	2.85067	1.38107	4.72411	0.346413	8.9004
0.832441	0.0470938	2.78947	1.35222	4.64264	0.345403	8.80119

0.829957	0.0516645	2.64829	1.285	4.39459	0.331619	8.41864
0.821808	0.0501677	2.44289	1.17609	4.01472	0.305917	7.85982
0.799577	0.0422057	2.18433	1.04041	3.55078	0.277739	7.14655
0.768415	0.0347857	1.90165	0.909514	3.02688	0.22792	6.33781
0.747946	0.0336694	1.61043	0.762178	2.48763	0.183544	5.51245
0.726036	0.0316346	1.3502	0.623193	1.98078	0.141132	4.72954
0.70718	0.0323375	1.13464	0.517167	1.54734	0.106248	4.03254
0.694931	0.0337009	0.95197	0.429403	1.18417	0.0846665	3.44904
0.684584	0.0325681	0.805519	0.353893	0.890539	0.0580483	2.98488
0.690149	0.0376781	0.706255	0.302115	0.665786	0.0427609	2.62152
0.702845	0.0354651	0.646119	0.261338	0.508722	0.0344843	2.36989
0.723058	0.0328066	0.620026	0.2482	0.411423	0.0246101	2.21111
0.762223	0.0336426	0.609941	0.249825	0.353137	0.019643	2.10387
0.807597	0.0337152	0.623811	0.254461	0.323474	0.0204366	2.04502
0.865142	0.0291717	0.664488	0.271784	0.321013	0.0207822	2.03927
0.950853	0.0315156	0.730034	0.296375	0.340413	0.0201965	2.06438
1.05422	0.0436613	0.828442	0.328501	0.379745	0.0229455	2.11901
1.20483	0.0552122	0.978705	0.391818	0.433591	0.0278689	2.20537
1.43591	0.0651619	1.1936	0.477481	0.510566	0.0341381	2.28692
1.77145	0.0719451	1.51542	0.604967	0.617378	0.0435289	2.39367
2.27874	0.0847984	2.01323	0.822775	0.759494	0.0553272	2.55696
3.07655	0.114858	2.75674	1.12624	0.933832	0.0647383	2.76393
4.30867	0.167359	3.87345	1.56708	1.16927	0.0713231	3.01826
6.18951	0.225492	5.48925	2.22595	1.49542	0.091603	3.32548
8.98532	0.318582	7.77966	3.15677	1.91424	0.123485	3.6874
13.0242	0.468534	10.9424	4.4446	2.45534	0.15895	4.1563
18.686	0.651179	15.1334	6.15421	3.13465	0.202013	4.74669
26.2776	0.945931	20.4153	8.31057	4.00558	0.267314	5.46666
36.0684	1.27473	26.7938	10.9232	5.05605	0.354042	6.33902
48.0681	1.66116	34.1742	13.9735	6.27023	0.436557	7.33242
62.1404	2.1598	42.182	17.2683	7.60805	0.53029	8.36714
77.8349	2.68989	50.3936	20.674	8.98722	0.647369	9.44524
94.196	3.26809	58.2255	23.9004	10.3188	0.753848	10.5374
110.173	3.79421	64.94	26.68	11.5096	0.82849	11.5265
124.549	4.37613	70.0198	28.7817	12.4145	0.881681	12.2611
135.845	4.77371	72.878	29.9643	12.951	0.926282	12.7053
143.108	5.02775	73.1562	30.1799	13.0726	0.923292	12.796
145.455	5.11556	70.8242	29.2608	12.7629	0.889428	12.491
142.602	5.03641	66.1622	27.354	12.0228	0.837275	11.8958
134.904	4.82674	59.7257	24.791	10.9309	0.75365	10.9824
123.152	4.30528	51.9951	21.645	9.61012	0.679382	9.84788
108.47	3.72035	43.6741	18.1927	8.15136	0.588674	8.58715
92.1945	3.15397	35.4532	14.8295	6.69027	0.478474	7.39325
75.703	2.5538	27.8149	11.6563	5.30643	0.390249	6.3114
59.9368	2.0304	21.1262	8.83956	4.07131	0.316362	5.25825
45.8596	1.58508	15.4913	6.48717	3.04163	0.224359	4.3699
34.0088	1.18261	11.0078	4.59522	2.21145	0.152987	3.67314

24.4163	0.869565	7.64904	3.19861	1.56974	0.105512	3.15665
17.0133	0.608204	5.19477	2.17265	1.10361	0.0711724	2.77657
11.5521	0.379906	3.49904	1.46057	0.786174	0.0516535	2.50174
7.70807	0.23998	2.39628	0.989606	0.568602	0.0361629	2.3171
5.14452	0.177302	1.70905	0.689266	0.429239	0.0292557	2.21368
3.52825	0.126587	1.33102	0.541336	0.355055	0.0266109	2.16107
2.58904	0.0830851	1.17372	0.473446	0.322755	0.0253118	2.1421
2.14404	0.0747842	1.18866	0.466129	0.319099	0.0196485	2.14668
2.05985	0.0754324	1.34221	0.515734	0.343115	0.0199806	2.14391
2.25991	0.0801706	1.61642	0.621539	0.389441	0.0240918	2.1861
2.70744	0.0867646	2.02064	0.775616	0.453042	0.0315252	2.26176
3.40804	0.112464	2.56754	0.997697	0.544783	0.0374096	2.3543
4.36658	0.156567	3.258	1.27887	0.670624	0.0447566	2.47575
5.63177	0.195426	4.09496	1.59059	0.822397	0.0544719	2.60957
7.19252	0.251477	5.07442	1.96982	0.994912	0.0704468	2.75601
9.01366	0.323583	6.14645	2.3853	1.18411	0.0822348	2.93166
11.0824	0.409603	7.22699	2.81386	1.37734	0.0798762	3.09912
13.2466	0.471928	8.2801	3.25528	1.57448	0.0962844	3.24567
15.3667	0.538853	9.22545	3.62095	1.7567	0.117444	3.40128
17.3661	0.619849	9.94813	3.89783	1.89461	0.115539	3.51214
19.0481	0.674242	10.4021	4.0892	1.99933	0.13196	3.57858
20.208	0.726503	10.5151	4.13564	2.05438	0.144878	3.64308
20.7467	0.714494	10.3162	4.05995	2.02918	0.136225	3.64275
20.6332	0.686782	9.81264	3.87932	1.94405	0.128979	3.56854
19.8924	0.670902	9.00626	3.57199	1.8119	0.116335	3.46459
18.5386	0.62738	8.01591	3.17443	1.64057	0.105987	3.32815
16.723	0.583533	6.92155	2.74412	1.4437	0.0960417	3.1798
14.5656	0.501739	5.77495	2.31308	1.2423	0.08165	3.00898
12.2713	0.412997	4.66078	1.86153	1.04082	0.066141	2.83254
10.0426	0.349927	3.65764	1.4562	0.847344	0.0537372	2.6894
7.93488	0.266115	2.79242	1.10629	0.681468	0.0467017	2.56724
6.06653	0.220508	2.0704	0.811067	0.549258	0.0356838	2.43993
4.51484	0.180521	1.51129	0.591619	0.433533	0.0274243	2.36779
3.27056	0.126859	1.09174	0.431047	0.34861	0.0240066	2.31411
2.29831	0.0883192	0.782046	0.303877	0.286755	0.0182613	2.23318
1.57484	0.0710781	0.567075	0.217378	0.239693	0.0136457	2.22069
1.05527	0.0494537	0.414133	0.160986	0.208033	0.0128152	2.22457
0.703673	0.0314026	0.31655	0.127162	0.188046	0.01153	2.17331
0.476854	0.0253823	0.25107	0.101317	0.175112	0.0111809	2.15809
0.329256	0.0185118	0.213116	0.0888635	0.167986	0.00962738	2.17727
0.231128	0.0146133	0.194014	0.0809568	0.163532	0.0117392	2.17757
0.172857	0.0115835	0.178248	0.0715275	0.161385	0.0115909	2.18562
0.143106	0.00800486	0.172702	0.0721986	0.162679	0.00980729	2.19674
0.126101	0.0101835	0.169672	0.0747933	0.161311	0.0105517	2.21503
0.112878	0.0121306	0.169838	0.077344	0.162557	0.0118261	2.21892
0.10546	0.012742	0.169564	0.0793709	0.165594	0.0122762	2.23852
0.0980207	0.00988317	0.169467	0.0757913	0.169452	0.0121086	2.26687

0.0971087	0.00770268	0.171192	0.0758179	0.170698	0.0118805	2.26679
0.0952662	0.00924388	0.173165	0.0787328	0.170996	0.012848	2.25903
0.0924062	0.0105983	0.174622	0.0787779	0.175085	0.0111951	2.28109
0.0917546	0.00793704	0.177833	0.0828147	0.182862	0.0130785	2.30106
0.0921165	0.00549585	0.181045	0.0860011	0.190733	0.0136419	2.33797
0.0898673	0.00722141	0.183237	0.0858833	0.200782	0.0106478	2.35288
0.0878878	0.0070874	0.192121	0.0890881	0.214852	0.012575	2.40133
0.0897843	0.00506456	0.204621	0.0962997	0.23578	0.01354	2.43386
0.0898014	0.0074409	0.218496	0.109232	0.268041	0.0146619	2.48122
0.0892425	0.00756517	0.239814	0.126027	0.31176	0.0164656	2.57761
0.0902533	0.00888054	0.265511	0.14716	0.37361	0.0213875	2.71033
0.0947633	0.00872779	0.302629	0.194088	0.454766	0.0301856	2.87886
0.100709	0.0110056	0.355038	0.26178	0.566086	0.0386928	3.09635
0.108737	0.0141541	0.418635	0.334223	0.711747	0.0440866	3.39576
0.11304	0.0171639	0.500131	0.432688	0.896421	0.0581731	3.70501
0.121754	0.020825	0.595537	0.559972	1.11604	0.0714759	4.0963
0.137492	0.0262649	0.705957	0.701926	1.36784	0.0907241	4.59449
0.150986	0.0340488	0.827499	0.864483	1.64794	0.103825	5.11626
0.163956	0.0409616	0.949433	1.03914	1.94565	0.120789	5.6217
0.181431	0.0517584	1.07187	1.21251	2.23843	0.14007	6.17742
0.199876	0.0584596	1.18844	1.37194	2.51026	0.164536	6.6782
0.213217	0.0687115	1.28457	1.51914	2.74586	0.171833	7.08747
0.225729	0.0734272	1.34406	1.62555	2.91906	0.185284	7.40739
0.237254	0.0788782	1.37192	1.66773	3.00133	0.19812	7.59811
0.245219	0.089259	1.3705	1.69441	3.01794	0.201733	7.64285
0.251795	0.0957245	1.32953	1.64848	2.9541	0.185573	7.58298
0.255958	0.0866469	1.25985	1.54246	2.79845	0.176453	7.3602
0.247662	0.0827964	1.17047	1.42166	2.57875	0.163032	6.97784
0.23464	0.0813667	1.04754	1.26036	2.29696	0.137901	6.57841
0.229318	0.0808938	0.929903	1.09324	2.00321	0.13354	6.11763
0.220743	0.0665006	0.806283	0.905831	1.70694	0.112303	5.62412
0.207048	0.0522694	0.691258	0.732615	1.41277	0.0849779	5.09845
0.194389	0.0370583	0.58615	0.587295	1.15989	0.071677	4.67631
0.181991	0.0376021	0.494717	0.462323	0.939926	0.058404	4.31514
0.170625	0.0297795	0.415741	0.335834	0.748609	0.0494313	4.04222
0.160793	0.026302	0.359954	0.24821	0.59913	0.0441819	3.86587
0.153482	0.0204461	0.316739	0.200006	0.493103	0.036404	3.63708
0.149322	0.0161264	0.290419	0.163824	0.409486	0.0291076	3.57888
0.139231	0.0132671	0.274148	0.136459	0.349712	0.0242671	3.55219
0.137264	0.0105368	0.250626	0.120827	0.31363	0.0208224	3.50128
0.132414	0.0118896	0.245018	0.111573	0.289759	0.0239937	3.4261
0.130831	0.0140143	0.240974	0.11498	0.272726	0.0257093	3.38189
0.131222	0.0108052	0.24318	0.10871	0.263474	0.0218123	3.38224
0.125637	0.00946786	0.246535	0.105663	0.263743	0.0208935	3.35695
0.124988	0.0118189	0.243467	0.106908	0.265142	0.0172754	3.32365
0.123967	0.0127261	0.244987	0.110067	0.272151	0.0169821	3.34296
0.12186	0.0104646	0.246808	0.108375	0.27929	0.0149712	3.34193

0.123058	0.0108462	0.247076	0.105152	0.291366	0.0244187	3.30676
0.12637	0.0121867	0.252998	0.106551	0.307845	0.022544	3.34272
0.125766	0.0112009	0.261795	0.118868	0.329025	0.0222564	3.35771
0.128551	0.0140629	0.269398	0.121473	0.354547	0.028397	3.36441
0.130737	0.0112497	0.28064	0.128357	0.379885	0.0267315	3.40052
0.133933	0.0111301	0.296098	0.135897	0.41207	0.0326978	3.44747
0.130692	0.0129497	0.308611	0.134725	0.442399	0.0334053	3.48123
0.133694	0.0118204	0.323759	0.149728	0.475895	0.0366609	3.56186
0.137587	0.0115689	0.337564	0.157505	0.51244	0.0377843	3.60963
0.138529	0.0133954	0.351092	0.167931	0.546646	0.0410919	3.6571
0.142767	0.0145518	0.362274	0.179165	0.586065	0.0467371	3.75075
0.14467	0.0132928	0.38375	0.20165	0.627239	0.0489208	3.79071
0.142328	0.0114496	0.407054	0.225756	0.661063	0.0498674	3.89221
0.143778	0.013685	0.426387	0.244071	0.707026	0.041594	3.95707
0.144424	0.0127217	0.446211	0.268689	0.751786	0.042591	4.03181
0.152002	0.0135893	0.460228	0.285813	0.796918	0.0475565	4.12815
0.150444	0.0141152	0.475708	0.304434	0.829703	0.0479264	4.19409
0.152471	0.0163489	0.494587	0.331554	0.868429	0.0487716	4.2507
0.155092	0.017643	0.504033	0.346603	0.89328	0.0497712	4.28171
0.159695	0.021127	0.512556	0.356103	0.890999	0.0503062	4.29754
0.162607	0.0204253	0.509767	0.354734	0.88971	0.0519601	4.26117
0.163466	0.0185693	0.497335	0.349415	0.864481	0.0516863	4.2419
0.165249	0.0185024	0.490542	0.352077	0.831193	0.0492199	4.20328
0.165146	0.0179473	0.478263	0.340979	0.782683	0.0475892	4.09476
0.162119	0.0196238	0.461823	0.338194	0.728379	0.0410541	3.98443
0.162968	0.0163457	0.437558	0.318276	0.667684	0.0294894	3.88418
0.156878	0.0146794	0.408823	0.301095	0.602421	0.0367164	3.7435
0.15257	0.0152804	0.389161	0.292023	0.54394	0.0307304	3.66942
0.148613	0.0139917	0.370002	0.285531	0.490371	0.0291405	3.57853
0.149875	0.0147743	0.352907	0.265869	0.44622	0.0227159	3.44511
0.150155	0.0141225	0.343501	0.26225	0.40526	0.019155	3.37574
0.145958	0.0110783	0.334522	0.257518	0.37417	0.0216121	3.3222
0.142247	0.0106191	0.327766	0.253398	0.349518	0.0197755	3.27709
0.143534	0.0128977	0.320727	0.249955	0.332081	0.0165487	3.28408
0.147571	0.0145961	0.31339	0.237044	0.321084	0.0172092	3.26918
0.145757	0.0149061	0.312009	0.239898	0.316791	0.0212081	3.27252
0.143223	0.0119269	0.314326	0.231058	0.314331	0.0206615	3.24132
0.14271	0.0109012	0.314794	0.216943	0.312989	0.0197039	3.31764
0.148662	0.0121301	0.317321	0.215891	0.31506	0.0196044	3.35709
0.146175	0.0142393	0.318855	0.215501	0.323614	0.0197624	3.33443
0.141352	0.0123073	0.319025	0.208902	0.328031	0.0181358	3.42681
0.145824	0.00935231	0.317346	0.194354	0.33339	0.0191147	3.44265
0.145983	0.012859	0.320002	0.190173	0.335332	0.025755	3.4585
0.148751	0.0145125	0.321852	0.196601	0.346897	0.0249856	3.47428
0.145033	0.0135608	0.324388	0.192799	0.344496	0.0219798	3.52318
0.145449	0.0118917	0.316945	0.178781	0.345533	0.0212615	3.55758
0.147925	0.0135539	0.317279	0.168387	0.345567	0.023398	3.59928

0.149046	0.0151232	0.311428	0.169444	0.345719	0.0236214	3.62263
0.145052	0.0120739	0.321141	0.168793	0.350052	0.0236602	3.65921
0.148941	0.0173923	0.317219	0.157605	0.349658	0.0224828	3.66147
0.148862	0.0163482	0.317117	0.155625	0.354829	0.0249996	3.71966
0.150637	0.0123972	0.321917	0.153044	0.355674	0.0279649	3.75717
0.151626	0.0160471	0.321856	0.154492	0.355803	0.02133	3.84095
0.154435	0.0144171	0.329338	0.153386	0.361652	0.0249951	3.8931
0.152992	0.0148324	0.341486	0.154579	0.379238	0.0280349	3.976
0.154502	0.01426	0.352842	0.157412	0.398063	0.0284992	4.13856
0.15881	0.0130098	0.380094	0.163256	0.420075	0.0325171	4.35679
0.161974	0.015563	0.399441	0.174356	0.445194	0.0359809	4.51281
0.167055	0.0147217	0.437673	0.187232	0.483076	0.0374168	4.78107
0.171432	0.0124857	0.471153	0.213697	0.522551	0.0352422	5.04717
0.176481	0.0151044	0.514686	0.240125	0.572424	0.044832	5.41671
0.184784	0.0134373	0.559292	0.269614	0.626839	0.045095	5.72629
0.192962	0.0148093	0.608603	0.300128	0.674825	0.0532268	6.06146
0.197919	0.0163869	0.651811	0.330972	0.732995	0.0532861	6.39242
0.201462	0.0122642	0.693177	0.3459	0.780308	0.0621752	6.75486
0.209317	0.0193193	0.723231	0.36429	0.828316	0.0593006	6.97735
0.213598	0.0175184	0.746434	0.374711	0.857213	0.0678454	7.15261
0.218603	0.0203201	0.75398	0.387098	0.869193	0.0684601	7.25188
0.228703	0.0170431	0.754823	0.386219	0.88014	0.0647953	7.27763
0.230293	0.0188532	0.735609	0.369397	0.866388	0.0574937	7.24742
0.229489	0.0173821	0.706607	0.351078	0.837922	0.0627825	7.09914
0.233927	0.0188456	0.680182	0.331935	0.803116	0.0587948	6.87438
0.228963	0.0150076	0.647225	0.298023	0.748522	0.0515251	6.58341
0.230005	0.0216778	0.600032	0.267951	0.706264	0.0515851	6.24071
0.232828	0.021338	0.548747	0.24216	0.654641	0.044061	6.00921
0.229174	0.0175924	0.525417	0.220791	0.610766	0.03857	5.71482
0.221265	0.0160429	0.482829	0.192299	0.562102	0.0318643	5.39292
0.219507	0.0195085	0.449678	0.180971	0.53023	0.036165	5.15741
0.228013	0.0179282	0.427808	0.175341	0.492702	0.0308751	4.9542
0.222046	0.0166245	0.408881	0.160208	0.464742	0.031061	4.78852
0.221653	0.0144172	0.394551	0.159007	0.441589	0.0246756	4.65071
0.220926	0.0182145	0.378389	0.15381	0.429736	0.0269686	4.56206
0.221841	0.0163525	0.370679	0.153299	0.415957	0.0247664	4.46882
0.21921	0.0186856	0.364527	0.148449	0.41271	0.0240632	4.44359
0.220505	0.0152808	0.35406	0.139173	0.394001	0.0265526	4.41204
0.215325	0.0176884	0.350381	0.137091	0.393207	0.0219366	4.3556
0.216778	0.0143858	0.358948	0.149811	0.39696	0.0213097	4.34829
0.214662	0.0181113	0.353149	0.147498	0.390084	0.0309783	4.26756
0.215885	0.0139064	0.35065	0.149049	0.390534	0.0227882	4.26594
0.211902	0.0200428	0.347938	0.14198	0.393936	0.0189791	4.27883
0.214447	0.0199218	0.353269	0.146322	0.39138	0.025652	4.273
0.212056	0.0163734	0.354931	0.144917	0.391771	0.0231682	4.26684
0.206556	0.0202983	0.357318	0.147613	0.391167	0.0206284	4.26931
0.207812	0.0174127	0.353341	0.141449	0.390935	0.0279325	4.26516

0.216472	0.0152578	0.359126	0.145813	0.393426	0.0226633	4.29264
0.211488	0.0161351	0.365582	0.155306	0.399975	0.0257843	4.35138
0.213214	0.0156818	0.374822	0.150157	0.403243	0.0234961	4.37902
0.211663	0.0179413	0.381162	0.160368	0.408233	0.0278467	4.42605
0.214777	0.0150893	0.392274	0.156559	0.418365	0.0266725	4.52613
0.221949	0.0150355	0.400222	0.160519	0.432384	0.0263109	4.60651
0.22571	0.0182687	0.4137	0.155322	0.447941	0.0285337	4.81191
0.224718	0.0205449	0.44535	0.186208	0.465081	0.0235906	4.98527
0.227831	0.0202068	0.459381	0.178791	0.49756	0.0340678	5.26262
0.239124	0.017129	0.499573	0.207009	0.527918	0.0307861	5.65283
0.238537	0.0217245	0.548352	0.217352	0.572157	0.0383831	6.01328
0.251113	0.0176954	0.595772	0.243493	0.618863	0.0509835	6.61848
0.256171	0.0214945	0.654659	0.270917	0.682692	0.0615216	7.21887
0.271015	0.0184257	0.7282	0.302188	0.75715	0.0636241	7.97149
0.275798	0.0222717	0.814155	0.337937	0.835002	0.0752566	8.76868
0.295402	0.0223111	0.902858	0.391005	0.923046	0.0914935	9.67787
0.315952	0.0268241	0.994102	0.420639	1.01304	0.0936975	10.6656
0.327325	0.0238547	1.07445	0.459839	1.11107	0.114447	11.591
0.342119	0.0193821	1.15046	0.486367	1.18647	0.126837	12.4324
0.369209	0.028592	1.21077	0.524454	1.26704	0.139877	13.2361
0.373247	0.0239276	1.28295	0.558781	1.33183	0.148101	13.8814
0.392341	0.0215759	1.30148	0.558322	1.36922	0.151423	14.3497
0.410861	0.0253978	1.31823	0.56966	1.37763	0.155605	14.611
0.42209	0.0323473	1.28378	0.539327	1.37145	0.150202	14.4928
0.438091	0.0238554	1.27153	0.539763	1.34302	0.147381	14.2743
0.449086	0.0348606	1.22619	0.51928	1.29643	0.134954	13.8714
0.457838	0.0342788	1.15901	0.506089	1.22615	0.127967	13.2905
0.464444	0.0262884	1.08741	0.468389	1.15124	0.114821	12.746
0.473033	0.0295967	1.01224	0.43391	1.05672	0.097336	11.9609
0.469797	0.026727	0.94856	0.407582	0.98826	0.0975887	11.2457
0.464054	0.0281947	0.875779	0.365666	0.90813	0.0678399	10.5519
0.46515	0.0270696	0.819963	0.357007	0.835077	0.058176	9.91715
0.4688	0.02286	0.764113	0.311116	0.767797	0.0587927	9.50348
0.456843	0.0251147	0.734694	0.320834	0.719934	0.0510806	9.09349
0.442797	0.0195384	0.686322	0.289804	0.681436	0.0511618	8.81822
0.422219	0.0277837	0.668567	0.286091	0.647365	0.0410718	8.61173
0.416284	0.0312156	0.648767	0.286943	0.619381	0.0313908	8.67573
0.397437	0.0305841	0.640278	0.280754	0.607864	0.0389783	8.7262
0.385937	0.0216929	0.642906	0.290999	0.601284	0.031957	8.85314
0.356066	0.0284117	0.636522	0.280235	0.59892	0.0432301	8.95609
0.345045	0.0246834	0.646084	0.294025	0.598874	0.0381895	9.33001
0.326019	0.0180854	0.65544	0.309892	0.617907	0.0446498	9.65088
0.31662	0.0246355	0.671291	0.31542	0.621808	0.0392404	9.99678
0.299395	0.0223628	0.690016	0.329579	0.629226	0.0400584	10.4347
0.289159	0.0217964	0.708301	0.33833	0.656287	0.0424043	10.9676
0.283025	0.0236775	0.732611	0.354816	0.674192	0.0461824	11.5251
0.275868	0.019359	0.767835	0.379215	0.70532	0.0522659	12.2797

0.272521	0.0171116	0.807115	0.400727	0.743744	0.0500931	13.1265
0.269378	0.0227351	0.860383	0.436877	0.782653	0.0550128	14.3142
0.272195	0.0167459	0.945155	0.497787	0.845549	0.0537513	15.9475
0.274476	0.0157399	1.064	0.577313	0.932381	0.0685313	18.1253
0.272904	0.0190724	1.2361	0.694522	1.0681	0.0787304	21.594
0.271792	0.0181558	1.4809	0.837463	1.25639	0.0882433	26.5893
0.284012	0.018211	1.88081	1.09562	1.54329	0.113704	33.982
0.291995	0.0205171	2.45248	1.49893	1.96464	0.129893	44.8513
0.302678	0.0243775	3.28351	2.02708	2.58857	0.187473	60.8162
0.335683	0.0260234	4.46787	2.81763	3.47236	0.233557	83.7091
0.355731	0.0235856	6.08874	3.8666	4.714	0.314095	115.53
0.405823	0.0274803	8.30852	5.33036	6.39116	0.452	159.485
0.451694	0.0346639	11.198	7.16914	8.67245	0.604677	217.491
0.536835	0.0434415	14.9134	9.63513	11.619	0.818885	291.832
0.629114	0.0379553	19.5287	12.6294	15.2631	1.04547	386.63
0.765389	0.0469514	25.0942	16.229	19.7363	1.39397	500.823
0.925909	0.07662	31.5532	20.4737	24.9782	1.74931	635.35
1.1057	0.0844052	38.8303	25.3203	31.0223	2.2071	788.032
1.33524	0.09238	46.5039	30.251	37.4553	2.62381	954.263
1.57232	0.127661	54.4471	35.4681	44.3957	3.15239	1128.13
1.85819	0.132348	62.3304	40.5179	51.2113	3.59605	1304.18
2.15061	0.165043	69.446	45.2448	57.6616	4.04778	1467.9
2.42904	0.183177	75.5149	48.9825	63.4149	4.5032	1613.48
2.68121	0.201296	80.0848	52.115	67.8632	4.80237	1726.77
2.9117	0.225226	82.8787	54.0522	71.0353	5.14113	1806.12
3.08435	0.213983	83.509	54.4057	72.3199	5.08934	1839.23
3.19734	0.231403	82.1536	53.4507	71.8206	5.13461	1827.86
3.26731	0.233598	78.7382	51.316	69.6078	4.89791	1771.84
3.24591	0.232052	73.6831	47.9922	65.7734	4.65259	1673.66
3.14064	0.26008	67.0878	43.7705	60.6819	4.2615	1543.41
2.99782	0.196674	59.7524	38.8979	54.4858	3.82542	1387.29
2.74969	0.201956	51.78	33.5889	47.754	3.38237	1215.92
2.5149	0.190806	43.8766	28.4466	40.8022	2.97603	1039.97
2.23372	0.160146	36.1749	23.5578	34.0506	2.37639	868.368
1.94913	0.146123	29.0978	18.8918	27.7359	1.99148	706.721
1.68283	0.126273	22.9526	14.8644	22.1033	1.61426	562.352
1.44562	0.106121	17.6548	11.4375	17.1603	1.23426	436.835
1.20703	0.0797906	13.3174	8.59378	13.0718	0.907897	331.916
1.02663	0.0812693	9.85315	6.30104	9.74091	0.6897	247.052
0.846431	0.04934	7.15185	4.54584	7.13622	0.501568	179.822
0.729146	0.0418396	5.14876	3.19753	5.18712	0.353035	128.947
0.631396	0.0375157	3.67944	2.24968	3.69742	0.255662	91.16
0.560745	0.0394308	2.63366	1.59079	2.64536	0.192723	63.8324
0.498128	0.0401024	1.90874	1.09133	1.9161	0.142505	44.6391
0.454944	0.0310433	1.41439	0.760179	1.41507	0.0945908	31.4279
0.42886	0.0288671	1.10902	0.581204	1.09306	0.0697589	22.5637
0.409371	0.0235671	0.899481	0.435672	0.865589	0.0506758	16.8046



0.402467	0.0335621	0.762014	0.345078	0.733573	0.0459525	13.0441
0.394832	0.0266795	0.690678	0.297054	0.646375	0.0438198	10.6655
0.382728	0.0240049	0.64285	0.271698	0.593725	0.0352859	9.11927
0.386637	0.0252377	0.603266	0.245015	0.559156	0.033398	8.21384
0.391509	0.0312597	0.599583	0.238052	0.541745	0.0304902	7.5785
0.391369	0.0255311	0.598366	0.233071	0.538124	0.0350722	7.20473
0.390883	0.0278155	0.592209	0.23034	0.533723	0.030353	6.91542
0.392718	0.0245059	0.589347	0.226832	0.525171	0.0291192	6.79009
0.400349	0.0263058	0.59533	0.233519	0.53573	0.0360621	6.69508
0.402413	0.0265483	0.596114	0.234921	0.538841	0.0347248	6.72511
0.4025	0.0308385	0.60782	0.231734	0.545387	0.0258346	6.74992
0.398191	0.0234157	0.613884	0.229863	0.547117	0.0336726	6.74647
0.406334	0.0325259	0.619817	0.236401	0.554814	0.0319455	6.84831
0.406229	0.0267422	0.623023	0.235929	0.557007	0.0315981	6.93522
0.417607	0.0333537	0.647718	0.254377	0.577087	0.031506	7.09056
0.399099	0.0274648	0.662121	0.258567	0.585407	0.0300946	7.25994
0.419612	0.0267127	0.673271	0.258747	0.6	0.0432121	7.53899
0.410395	0.0211471	0.703584	0.290286	0.611641	0.0293485	7.82217
0.418447	0.0267329	0.708888	0.281203	0.643842	0.0385499	8.19344
0.412196	0.0303997	0.739595	0.301332	0.660965	0.0344486	8.64727
0.41821	0.0250826	0.759335	0.308835	0.691799	0.0388221	9.07916
0.418667	0.0217823	0.807327	0.340427	0.7235	0.0313108	9.77474
0.427949	0.0257889	0.863309	0.378356	0.771054	0.0427931	10.6034
0.434326	0.0250777	0.935946	0.415973	0.828402	0.0450555	11.7747
0.426772	0.0268691	1.0259	0.477447	0.904183	0.061527	13.2654
0.429214	0.0234067	1.15593	0.561399	0.997876	0.059365	15.208
0.439701	0.0380626	1.30126	0.644763	1.09916	0.0665797	17.9848
0.442922	0.0244442	1.49538	0.780185	1.27449	0.0666354	21.5895
0.44718	0.0247349	1.78043	0.971858	1.4719	0.0896469	26.2593
0.446651	0.0297062	2.12293	1.19102	1.75276	0.109787	32.6515
0.459183	0.031136	2.57125	1.50111	2.09607	0.126755	40.6804
0.467402	0.0211286	3.14158	1.86912	2.52907	0.157004	50.8736
0.485948	0.0247192	3.81097	2.29614	3.05818	0.202038	63.4304
0.511451	0.0284367	4.62439	2.8827	3.67139	0.236072	78.7432
0.524214	0.0358143	5.55253	3.4974	4.44856	0.268326	96.3723
0.558387	0.0329121	6.59737	4.22566	5.24779	0.342678	116.146
0.574362	0.0316822	7.68635	4.96902	6.1887	0.396635	138.592
0.602703	0.0379904	8.84942	5.67848	7.15376	0.471163	161.535
0.642011	0.0426871	10.0693	6.56095	8.11683	0.565127	184.928
0.692209	0.0379365	11.119	7.31325	9.07257	0.623092	207.521
0.723016	0.044246	12.077	7.87311	9.93753	0.65782	227.669
0.77547	0.0421708	12.8242	8.42015	10.6781	0.719834	244.904
0.801192	0.0512674	13.3564	8.82747	11.1687	0.759952	257.307
0.829224	0.0459896	13.5631	8.97929	11.5207	0.770559	264.628
0.859626	0.0533253	13.5184	8.88322	11.5797	0.799311	266.199
0.851537	0.0530327	13.165	8.68496	11.3738	0.734388	261.42
0.867506	0.0575767	12.5338	8.18672	10.9215	0.731507	251.189

0.862619	0.0542283	11.6903	7.70131	10.3063	0.699595	236.014
0.834795	0.0449096	10.6708	7.03879	9.4857	0.629963	216.574
0.814521	0.0525104	9.50327	6.22659	8.5342	0.546712	194.366
0.770355	0.0444869	8.32558	5.38793	7.52879	0.477244	170.507
0.752082	0.0476568	7.10035	4.59966	6.51319	0.409042	146.092
0.693114	0.035964	5.97529	3.83106	5.52892	0.358424	122.518
0.667821	0.0468528	4.91113	3.09264	4.58497	0.272311	100.704
0.616414	0.0259887	3.9954	2.52666	3.75286	0.245235	80.7752
0.583336	0.0351381	3.18145	1.93281	3.00982	0.202301	63.5225
0.544108	0.0259237	2.52915	1.48653	2.3963	0.152914	48.8703
0.513457	0.0320141	1.99341	1.12943	1.89644	0.12256	37.103
0.496591	0.0348952	1.55696	0.85982	1.48221	0.0885858	27.4214
0.469278	0.0243022	1.24315	0.653621	1.17546	0.0735234	20.0897
0.459781	0.0229088	1.002	0.473882	0.931464	0.0536377	14.4503
0.447451	0.0263791	0.827871	0.376175	0.762029	0.0417242	10.2713
0.442388	0.0270518	0.715281	0.307863	0.635252	0.0400324	7.34005
0.448034	0.0286166	0.629414	0.24693	0.545645	0.0341183	5.28206
0.444267	0.0303522	0.568495	0.20306	0.485222	0.025143	3.80293
0.448898	0.0246633	0.535077	0.204513	0.443073	0.0277336	2.81
0.461794	0.0303523	0.518577	0.18074	0.420569	0.0203859	2.1554
0.466309	0.0255527	0.518244	0.186381	0.404813	0.0185172	1.70763
0.48029	0.0315092	0.515433	0.171158	0.395194	0.0210286	1.46974
0.485308	0.0319769	0.525314	0.182433	0.398716	0.0223021	1.3249
0.510351	0.0366843	0.544744	0.184241	0.397821	0.0220474	1.24488
0.536309	0.0334227	0.557056	0.17743	0.414337	0.0273	1.18049
0.544772	0.0306367	0.594784	0.195431	0.422096	0.0213309	1.19108
0.563274	0.0281968	0.625181	0.199896	0.444381	0.0251995	1.23638
0.591913	0.0354163	0.656972	0.207201	0.469645	0.0274419	1.28319
0.603271	0.0338848	0.685117	0.227717	0.493239	0.0286956	1.37207
0.612546	0.0457993	0.743652	0.231662	0.527581	0.0266672	1.45147
0.620041	0.034554	0.789551	0.252361	0.564041	0.032905	1.60655
0.624411	0.0382925	0.842989	0.26567	0.602645	0.0351019	1.72592
0.637539	0.0355504	0.882957	0.272524	0.633732	0.0283386	1.88319
0.630633	0.0300967	0.936582	0.303103	0.676968	0.0335966	1.99967
0.622165	0.0399371	0.982816	0.300666	0.717428	0.0410803	2.13937
0.620751	0.0396978	1.01527	0.318238	0.743162	0.0379929	2.27426
0.612024	0.0277623	1.04295	0.332268	0.774849	0.0402283	2.38963
0.595935	0.0398092	1.05324	0.325496	0.795191	0.0419099	2.43594
0.579034	0.0376433	1.05159	0.334027	0.799751	0.0351225	2.49378
0.564589	0.0324687	1.0379	0.322286	0.800086	0.0371911	2.44812
0.550919	0.0409481	1.01903	0.312807	0.793677	0.0439895	2.4081
0.549309	0.0304739	0.982069	0.304112	0.779275	0.0408944	2.30001
0.527049	0.0320083	0.940319	0.288827	0.752212	0.040066	2.22659
0.516527	0.0246431	0.904935	0.274978	0.720175	0.0368815	2.09601
0.506816	0.034279	0.841925	0.242702	0.694726	0.0473598	1.95961
0.514774	0.030142	0.793338	0.241323	0.66264	0.0360349	1.82303
0.500613	0.0264534	0.733395	0.211078	0.619974	0.0305857	1.6727

0.494271	0.0367363	0.682971	0.207818	0.590568	0.0297961	1.51928
0.483743	0.0288246	0.643047	0.177283	0.555223	0.0285821	1.3937
0.489656	0.0326344	0.59866	0.170153	0.52272	0.026378	1.27106
0.488864	0.0301915	0.570832	0.155541	0.495409	0.0299286	1.15542
0.487944	0.02942	0.53033	0.15133	0.480254	0.0242672	1.06154
0.49832	0.0318196	0.520843	0.153128	0.460998	0.0236612	0.983258
0.482086	0.0341074	0.498962	0.144355	0.447583	0.0269995	0.928208
0.488836	0.0341462	0.486599	0.139912	0.43303	0.0221468	0.884471
0.492362	0.0274356	0.49061	0.147956	0.438351	0.0233345	0.862443
0.496203	0.0244791	0.480578	0.149696	0.427301	0.0194773	0.819232
0.512617	0.0280552	0.479408	0.131527	0.420731	0.0217608	0.805138
0.519124	0.0321731	0.474126	0.136446	0.420145	0.0252402	0.798861
0.516768	0.0332242	0.476407	0.155449	0.416642	0.0261866	0.777904
0.527857	0.0257864	0.483248	0.144179	0.419566	0.0257975	0.780864
0.52979	0.0347802	0.480016	0.15145	0.417012	0.0263763	0.746201
0.536778	0.0296195	0.474658	0.148185	0.41686	0.0210794	0.786715
0.540895	0.0306319	0.480195	0.158852	0.418636	0.0237086	0.775397
0.531995	0.0315901	0.475304	0.158039	0.416594	0.0218048	0.774744
0.535237	0.0252574	0.47746	0.152936	0.42111	0.0220344	0.752733
0.536276	0.0237866	0.473522	0.163047	0.42287	0.0236016	0.769149
0.531516	0.0303314	0.472632	0.1592	0.41584	0.0254319	0.770274
0.526396	0.0300142	0.48538	0.161049	0.421668	0.027377	0.778586
0.52519	0.031379	0.471373	0.157105	0.421964	0.0213102	0.784047
0.514254	0.0379234	0.477966	0.169525	0.425419	0.0274753	0.754121
0.519105	0.0299345	0.486465	0.164267	0.432035	0.0231981	0.765926
0.508814	0.0327403	0.478165	0.158756	0.434984	0.0281147	0.810545
0.508996	0.0302509	0.487297	0.175054	0.439155	0.0305352	0.803673
0.511892	0.0273709	0.484344	0.160604	0.44598	0.0222155	0.791888
0.506185	0.0282694	0.489376	0.168722	0.447495	0.0272548	0.837824
0.497407	0.0327149	0.49432	0.169731	0.464667	0.0228913	0.833367
0.500387	0.035269	0.518027	0.183827	0.478272	0.0294152	0.850556
0.499985	0.0297676	0.522193	0.195703	0.489796	0.0291557	0.865901
0.500343	0.0290652	0.536164	0.188829	0.518621	0.0349549	0.875445
0.498261	0.031389	0.558857	0.207107	0.547769	0.0316015	0.925844
0.497765	0.0350265	0.585625	0.23621	0.582763	0.0411671	0.921419
0.502759	0.0253394	0.629368	0.273681	0.619892	0.0510425	0.961756
0.508809	0.0309231	0.673551	0.320663	0.69493	0.062944	1.01267
0.507504	0.03	0.719057	0.390201	0.755942	0.0659191	1.05146
0.517793	0.0317664	0.787837	0.456206	0.838393	0.0899002	1.11835
0.498252	0.031584	0.843685	0.562181	0.937492	0.112477	1.13847
0.506567	0.0314694	0.93391	0.676179	1.0405	0.130986	1.24425
0.508302	0.0300906	0.98891	0.754232	1.15632	0.158102	1.32558
0.515181	0.0313064	1.07429	0.876782	1.2703	0.189679	1.40113
0.529988	0.032009	1.14437	0.995855	1.36722	0.195913	1.48866
0.526081	0.0344199	1.20988	1.07572	1.48174	0.224726	1.59662
0.52763	0.0307745	1.27163	1.1586	1.5697	0.249619	1.6247
0.536364	0.0339432	1.29489	1.18967	1.63898	0.272789	1.70562

0.531632	0.029309	1.3385	1.27083	1.70586	0.275156	1.74369
0.535063	0.0317246	1.35964	1.27335	1.73531	0.283197	1.83523
0.536896	0.0292475	1.35041	1.28107	1.73821	0.277698	1.83934
0.552434	0.0300414	1.33018	1.24716	1.70573	0.279185	1.88117
0.537546	0.0317409	1.28768	1.17499	1.65989	0.25917	1.86901
0.545144	0.0341375	1.23	1.08049	1.59759	0.233377	1.86012
0.542429	0.033526	1.16908	0.96387	1.48986	0.226893	1.85729
0.54085	0.0383404	1.10277	0.853312	1.41002	0.207932	1.82167
0.536669	0.0328047	1.02398	0.778528	1.30681	0.168492	1.73524
0.551657	0.0363924	0.948656	0.646707	1.20099	0.157349	1.7022
0.54173	0.0286275	0.895363	0.548919	1.08705	0.131958	1.65866
0.538144	0.0308595	0.83463	0.457803	0.994922	0.101924	1.61889
0.541285	0.0329498	0.776899	0.387428	0.901314	0.0853623	1.55272
0.532176	0.0326602	0.724853	0.309146	0.831519	0.0747444	1.47917
0.540369	0.0314973	0.696221	0.261873	0.757822	0.0561471	1.44727
0.536917	0.0341104	0.671819	0.223943	0.716913	0.0523917	1.37065
0.534042	0.0275518	0.647211	0.185599	0.665203	0.0408354	1.34839
0.535944	0.0321645	0.636295	0.179065	0.643273	0.0361491	1.32006
0.537269	0.0380972	0.622488	0.158603	0.617752	0.0344724	1.2898
0.541942	0.0354047	0.622061	0.153083	0.605531	0.0326515	1.25515
0.544956	0.0357864	0.615849	0.159019	0.59703	0.0367619	1.25327
0.553937	0.0246584	0.611876	0.159146	0.590977	0.0260758	1.19822
0.545372	0.0356501	0.619873	0.148018	0.592555	0.035672	1.18411
0.544355	0.0357503	0.624776	0.147673	0.583833	0.0331898	1.18067
0.560736	0.0349845	0.622067	0.150236	0.590767	0.0304155	1.15946
0.549312	0.0366083	0.618119	0.141224	0.57714	0.03187	1.14244
0.558819	0.0351244	0.611745	0.14296	0.575241	0.0331706	1.0795
0.574146	0.0316236	0.614227	0.14328	0.581716	0.0328236	1.08449
0.580255	0.0338467	0.612009	0.136268	0.571636	0.0325634	1.08347
0.572242	0.0336161	0.612689	0.141323	0.569969	0.0294356	1.03525
0.582454	0.0395294	0.607658	0.145244	0.567852	0.0279797	1.01083
0.578188	0.0377369	0.612127	0.137795	0.575147	0.029943	0.99381
0.5952	0.0361818	0.603396	0.140462	0.565799	0.0316103	0.976633
0.601039	0.0394392	0.608224	0.144292	0.557761	0.0287538	0.962553
0.594709	0.0404258	0.597816	0.138688	0.553078	0.0259733	0.92181
0.609546	0.0347107	0.595259	0.144106	0.551491	0.0246614	0.902105
0.613087	0.0374328	0.60153	0.133839	0.557257	0.0298573	0.883382
0.615333	0.0324741	0.601441	0.144678	0.560626	0.0262672	0.899177
0.620346	0.0405127	0.611387	0.153494	0.555628	0.0243012	0.882492
0.622352	0.0408533	0.620946	0.162644	0.560983	0.0252315	0.887771
0.628185	0.0437528	0.627961	0.172275	0.554395	0.0282828	0.867553
0.632571	0.0307099	0.63401	0.168599	0.563942	0.0249909	0.863166
0.645231	0.0401332	0.649326	0.176988	0.563831	0.022369	0.843882
0.645953	0.0386255	0.665706	0.19208	0.562176	0.0303506	0.84708
0.661167	0.0287804	0.693478	0.203198	0.578075	0.0305456	0.84762
0.663739	0.0340969	0.714067	0.2277	0.574686	0.0297061	0.854713
0.658416	0.0341712	0.74331	0.244872	0.59032	0.0277566	0.859415

0.670306	0.0361895	0.782631	0.271665	0.595018	0.0268647	0.874807
0.674703	0.0536382	0.833295	0.345211	0.607334	0.0246084	0.873661
0.70241	0.0475	0.886086	0.370503	0.622549	0.0279782	0.855433
0.709017	0.0359953	0.950302	0.448881	0.637742	0.0395489	0.866277
0.727361	0.0410253	1.01579	0.519454	0.658244	0.0252317	0.87378
0.737523	0.04234	1.08991	0.626478	0.68022	0.029073	0.868806
0.757445	0.0409128	1.15956	0.70768	0.690951	0.0309533	0.878285
0.78509	0.0448646	1.23475	0.762895	0.709761	0.0315073	0.905859
0.791242	0.0440612	1.31254	0.890275	0.73496	0.0322868	0.909234
0.823496	0.0372528	1.35839	0.910934	0.761322	0.0385169	0.908904
0.838171	0.0347606	1.42465	0.984	0.772592	0.0419272	0.904914
0.873773	0.0504667	1.45991	1.05471	0.782976	0.0385873	0.904824
0.898378	0.0516233	1.48819	1.06608	0.802038	0.0374528	0.92449
0.9108	0.0362479	1.51969	1.10649	0.801071	0.0399719	0.922648
0.922713	0.0385786	1.49514	1.10003	0.803609	0.0399919	0.945498
0.931869	0.0478539	1.47521	1.04079	0.803734	0.0356141	0.952078
0.940912	0.0421535	1.44248	1.01518	0.793625	0.0404826	0.954248
0.935832	0.0477847	1.38278	0.936056	0.788108	0.0312041	0.93508
0.943566	0.0378	1.32366	0.870647	0.781233	0.0341036	0.95352
0.913593	0.0441624	1.26123	0.770662	0.762721	0.0318899	0.94314
0.909733	0.0398984	1.19771	0.680871	0.732957	0.0309219	0.943078
0.8905	0.0394057	1.13699	0.619275	0.72995	0.0335263	0.931594
0.891554	0.046985	1.07128	0.536897	0.720252	0.0347131	0.933707
0.862648	0.0398647	1.0041	0.455542	0.701432	0.0303149	0.947441
0.8515	0.0427416	0.946665	0.377715	0.694321	0.0313268	0.939087
0.829702	0.0408523	0.906628	0.333928	0.677977	0.024378	0.939103
0.815555	0.0521006	0.879364	0.287337	0.678581	0.0314258	0.946684
0.808203	0.0413252	0.839181	0.258425	0.678326	0.0311266	0.958308
0.793894	0.0433545	0.8308	0.247787	0.679137	0.0326687	0.949013
0.776222	0.0411668	0.798891	0.214627	0.684063	0.0310545	0.967529
0.781374	0.0404124	0.799636	0.215137	0.698588	0.0346048	0.968512
0.761058	0.0446235	0.803527	0.203627	0.701736	0.0378198	0.988896
0.778096	0.0411386	0.799592	0.200081	0.713358	0.0342396	0.978078
0.781627	0.0482708	0.798061	0.207915	0.725642	0.0399213	0.98545
0.770627	0.0375871	0.806755	0.209662	0.742234	0.0389345	0.979516
0.765513	0.042357	0.805382	0.207811	0.75511	0.043488	0.982734
0.762918	0.0385652	0.821216	0.222329	0.769763	0.0516984	1.00535
0.779373	0.0404215	0.827639	0.21754	0.790872	0.0557267	0.979685
0.774678	0.032388	0.835826	0.231432	0.799021	0.0515314	1.01182
0.766351	0.0465723	0.836603	0.240888	0.812457	0.0576119	1.00007
0.78033	0.0351847	0.846587	0.244699	0.808818	0.0560944	1.02316
0.780188	0.0421092	0.848216	0.232051	0.812812	0.0490703	1.02922
0.791442	0.0535511	0.833401	0.224358	0.812772	0.0494173	1.01771
0.785988	0.0328184	0.840706	0.213107	0.810021	0.0473145	0.991536
0.78693	0.0429107	0.827206	0.21115	0.79448	0.0523918	1.00753
0.785935	0.0389105	0.817371	0.199197	0.780631	0.0554041	1.03086
0.793247	0.0388883	0.823865	0.197476	0.773339	0.043036	1.0057

0.787463	0.0359528	0.80075	0.1795	0.764456	0.0414102	1.01586
0.784345	0.0370571	0.78361	0.175781	0.739311	0.0459334	0.992877
0.783924	0.047076	0.770144	0.163657	0.729037	0.0391567	1.0136
0.790671	0.0467898	0.767791	0.1518	0.70632	0.0414793	1.01422
0.780129	0.0458087	0.754837	0.147433	0.694102	0.0345143	1.00695
0.785858	0.0442374	0.753482	0.150691	0.683775	0.0370791	1.01983
0.786615	0.0338482	0.737833	0.134942	0.680469	0.0358745	1.01596
0.78751	0.0358372	0.733353	0.138718	0.661868	0.0277433	1.03796
0.783053	0.0321582	0.736682	0.146371	0.655722	0.028933	1.03816
0.799136	0.0349048	0.729038	0.130742	0.652122	0.0270626	1.05905
0.785444	0.0363052	0.726037	0.135859	0.65133	0.0322531	1.06039
0.787049	0.0422475	0.727716	0.149767	0.651284	0.033729	1.0498
0.800235	0.0369471	0.721752	0.132694	0.638651	0.0381901	1.07382
0.781372	0.0387392	0.718816	0.133852	0.641949	0.0268132	1.07844
0.780209	0.0353501	0.736635	0.139074	0.643364	0.033422	1.08473
0.775177	0.0364375	0.721273	0.133605	0.646594	0.0312129	1.06746
0.785519	0.0388733	0.734822	0.135727	0.646846	0.0248489	1.08007
0.788284	0.0400767	0.733244	0.14196	0.657419	0.0241766	1.08251
0.790441	0.0421395	0.729937	0.131416	0.665597	0.0289356	1.07995
0.795409	0.0249923	0.72924	0.143942	0.670428	0.0380079	1.06423
0.788191	0.0381458	0.730188	0.135284	0.662525	0.0263524	1.11017
0.780685	0.0390506	0.735545	0.139352	0.672463	0.0341496	1.08045
0.788784	0.0357649	0.747538	0.142018	0.677414	0.0294717	1.07959
0.781709	0.0338451	0.736735	0.13873	0.684543	0.0304196	1.07958
0.783956	0.0382216	0.737468	0.136263	0.684644	0.0371923	1.08184
0.786749	0.0400844	0.738011	0.141859	0.679519	0.0356973	1.07946
0.789212	0.0456323	0.727222	0.145068	0.686901	0.0294899	1.05841
0.791909	0.0374232	0.734629	0.133522	0.688302	0.0251231	1.06094
0.792617	0.0435274	0.724483	0.134077	0.68462	0.0293682	1.03126
0.777178	0.0378316	0.733996	0.145872	0.693395	0.030544	1.06455
0.790279	0.0342244	0.72602	0.139908	0.683153	0.0294326	1.05593
0.775678	0.0384353	0.730918	0.129962	0.682149	0.0402482	1.02381
0.779416	0.044976	0.725434	0.137848	0.678047	0.0304814	1.02067
0.778754	0.0357754	0.726827	0.138415	0.685153	0.0262581	1.01268
0.78316	0.0332347	0.720961	0.138357	0.673093	0.0326689	1.0084
0.78055	0.0292006	0.716738	0.136979	0.674699	0.0296815	0.998405
0.778849	0.0452984	0.720183	0.134036	0.681583	0.0337241	0.98488
0.787727	0.0401288	0.714937	0.135709	0.676599	0.0311505	0.967675
0.77356	0.0366987	0.723766	0.137797	0.668297	0.0331291	0.961722
0.776739	0.0406859	0.722755	0.139067	0.664218	0.0251892	0.937761
0.777949	0.0417168	0.72116	0.143853	0.665139	0.0270228	0.960729
0.774702	0.0334462	0.716435	0.131352	0.667226	0.0275341	0.926402
0.789741	0.0340262	0.716087	0.132914	0.66951	0.0297782	0.928714
0.785639	0.0387791	0.718934	0.136615	0.665467	0.0286792	0.9465
0.778517	0.0460602	0.734607	0.134218	0.664581	0.0306002	0.902974
0.808252	0.0466859	0.733092	0.134761	0.667679	0.0344616	0.922519
0.800784	0.0478725	0.744234	0.139767	0.673655	0.0302672	0.919786

0.783904	0.0436964	0.744573	0.13331	0.668861	0.0344112	0.920665
0.794798	0.0393305	0.762462	0.148223	0.671129	0.0308896	0.912276
0.809032	0.0449165	0.768666	0.142526	0.676727	0.0357525	0.91997
0.802052	0.0517099	0.765552	0.14826	0.687021	0.0323587	0.908766
0.811904	0.042012	0.77912	0.153408	0.685227	0.033981	0.900545
0.812943	0.0401844	0.786392	0.158904	0.689741	0.0310421	0.925554
0.812696	0.0410657	0.812968	0.176506	0.692693	0.0365423	0.913016
0.833888	0.0494377	0.816414	0.169249	0.69685	0.0327009	0.900185
0.836063	0.0459244	0.829411	0.173577	0.698374	0.0330119	0.930157
0.835401	0.0384831	0.84544	0.192835	0.709967	0.0331612	0.919799
0.838328	0.0404735	0.849123	0.202233	0.714872	0.0381504	0.94526
0.847189	0.0421177	0.860443	0.198454	0.707797	0.0321952	0.939599
0.851799	0.0486422	0.859141	0.198244	0.723566	0.0316049	0.94033
0.857238	0.0393893	0.870909	0.200732	0.712538	0.0369196	0.940332
0.852991	0.0350676	0.859401	0.194125	0.717841	0.0315881	0.974042
0.850693	0.047416	0.868214	0.193462	0.723109	0.0333529	0.971233
0.865483	0.044718	0.862064	0.193508	0.719374	0.0363329	0.993341
0.858223	0.0389013	0.857401	0.195509	0.719015	0.0312001	1.01303
0.8593	0.0420967	0.85567	0.189649	0.72424	0.0315715	1.01052
0.853605	0.0439302	0.855202	0.181887	0.719965	0.037232	1.02556
0.867295	0.038949	0.838969	0.179369	0.72095	0.0298625	1.04035
0.865055	0.0396619	0.835841	0.176211	0.720726	0.0307792	1.04187
0.861049	0.0372425	0.82541	0.171192	0.719136	0.0295647	1.06414
0.867804	0.0433166	0.824565	0.164357	0.708515	0.0247041	1.06025
0.862898	0.0494286	0.825186	0.164061	0.718436	0.0340018	1.09754
0.854558	0.0502689	0.814585	0.168955	0.719436	0.0318268	1.09491
0.855722	0.0438907	0.814766	0.16256	0.71852	0.0319587	1.11349
0.839339	0.042	0.813967	0.17065	0.711138	0.0280039	1.09689
0.856157	0.0472226	0.803786	0.170208	0.71356	0.0307398	1.09555
0.855652	0.0457681	0.799957	0.158512	0.721985	0.0301524	1.10131
0.849431	0.0429653	0.797979	0.167115	0.709227	0.0328855	1.09032
0.850104	0.0419436	0.80069	0.172258	0.711845	0.0351863	1.08696
0.842301	0.0420128	0.809326	0.164399	0.712872	0.0280671	1.08142
0.846107	0.0490515	0.805045	0.177064	0.711479	0.034403	1.0571
0.84826	0.0352851	0.804127	0.173578	0.707507	0.0354975	1.06748
0.852145	0.0398839	0.80737	0.179742	0.711788	0.037729	1.04161
0.854201	0.0492003	0.810845	0.181879	0.707018	0.0366716	1.04078
0.844532	0.044169	0.798011	0.190227	0.708905	0.0335539	1.03523
0.853946	0.0476224	0.808596	0.182214	0.708832	0.0334923	1.01794
0.849007	0.0331306	0.806971	0.182536	0.706142	0.032453	1.03191
0.849937	0.0399491	0.815294	0.199147	0.708845	0.0295526	1.04153
0.867199	0.0457264	0.812051	0.177266	0.712765	0.036666	1.03573
0.853516	0.0452766	0.817246	0.181388	0.707966	0.0288637	1.02032
0.845464	0.0363502	0.822739	0.181395	0.711305	0.0399992	1.01425
0.853684	0.0398429	0.822118	0.183483	0.713941	0.0253115	1.01145
0.84905	0.0426153	0.817531	0.187884	0.712935	0.0292912	1.01758
0.846502	0.0362238	0.836421	0.197195	0.717167	0.0290296	1.00617

0.86067	0.0529792	0.850197	0.198335	0.711094	0.0292947	1.02059
0.853421	0.0345412	0.842858	0.189097	0.720112	0.0278273	1.03144
0.847347	0.0358793	0.850495	0.193995	0.714288	0.0301379	1.03174
0.858604	0.0415698	0.865867	0.196985	0.717287	0.0292258	1.04993
0.872815	0.0411475	0.861771	0.197953	0.715115	0.0298177	1.07736
0.853107	0.0423984	0.887231	0.216329	0.718846	0.0311929	1.06634
0.847318	0.0404679	0.896749	0.226218	0.72494	0.0323231	1.06317
0.858323	0.0458025	0.905682	0.21551	0.731492	0.0347523	1.10891
0.876023	0.0543616	0.915942	0.218414	0.736248	0.0272548	1.11087
0.868542	0.0553168	0.937282	0.225291	0.724204	0.0249918	1.1318
0.870829	0.0405221	0.945953	0.229482	0.735137	0.0380082	1.13074
0.857045	0.0462058	0.966898	0.243463	0.734246	0.0341112	1.16036
0.868709	0.0441931	0.978242	0.25603	0.736558	0.034251	1.17078
0.871892	0.0408822	0.9873	0.260289	0.738809	0.0190936	1.19256
0.866368	0.0429572	0.994345	0.254019	0.745249	0.0345834	1.2179
0.869632	0.0444799	1.00204	0.26438	0.745194	0.0345801	1.2108
0.865805	0.049376	1.01337	0.265655	0.739708	0.0424445	1.22091
0.853362	0.042648	1.00433	0.254088	0.737445	0.0308986	1.21865
0.871804	0.0440495	1.01106	0.250686	0.747547	0.0225416	1.2348
0.863925	0.0504499	0.993926	0.255201	0.743327	0.0300627	1.19801
0.865308	0.039761	0.98799	0.238547	0.743371	0.0358559	1.19837
0.871377	0.042618	0.97499	0.233326	0.735841	0.0333795	1.18177
0.849912	0.044299	0.972421	0.230024	0.735224	0.0282823	1.18666
0.858324	0.0338172	0.957722	0.211239	0.731105	0.0323611	1.17115
0.855068	0.0335291	0.936677	0.194408	0.730836	0.0302855	1.157
0.864126	0.046805	0.925353	0.195784	0.730002	0.029562	1.14864
0.861802	0.0479044	0.925449	0.199726	0.728141	0.0279473	1.12701
0.86135	0.0392057	0.902058	0.180381	0.721787	0.0301479	1.10358
0.858117	0.0383222	0.893303	0.172566	0.715113	0.0259164	1.09992
0.853455	0.0517437	0.873234	0.160783	0.722565	0.0328643	1.08121
0.856188	0.0446416	0.871742	0.154547	0.721182	0.0230258	1.07556
0.85703	0.0426268	0.867935	0.149191	0.715955	0.0350557	1.08293
0.858527	0.0408017	0.845389	0.144241	0.71836	0.0286316	1.0713
0.853067	0.0357398	0.836105	0.142745	0.716552	0.0326043	1.05952
0.854128	0.0495628	0.847955	0.146992	0.718927	0.0367505	1.04883
0.843801	0.043209	0.843494	0.149915	0.716731	0.0247875	1.06748
0.853948	0.0464292	0.847339	0.144127	0.717515	0.0251399	1.04175
0.843348	0.0419318	0.85587	0.14471	0.715825	0.0255594	1.06879
0.844394	0.0415323	0.848781	0.143998	0.711451	0.0302084	1.06407
0.845652	0.0423525	0.846289	0.132769	0.71878	0.0277688	1.06303
0.850051	0.0486715	0.838213	0.14058	0.704012	0.0244001	1.05056
0.843894	0.0417067	0.859614	0.144989	0.718114	0.0286931	1.07249
0.844557	0.0447975	0.859545	0.149222	0.724545	0.0323089	1.06292
0.842529	0.0496598	0.862369	0.148033	0.721147	0.0333808	1.05903
0.838313	0.0419638	0.866186	0.151309	0.724589	0.0316205	1.0814
0.848315	0.0417945	0.883919	0.145	0.725428	0.0279311	1.0648
0.838973	0.046321	0.889876	0.154418	0.729172	0.0362368	1.08351



0.838761	0.0405873	0.89991	0.155976	0.738971	0.0308812	1.0906
0.83377	0.0407967	0.91542	0.164386	0.742791	0.0252031	1.0835
0.831158	0.0371386	0.935867	0.174193	0.748592	0.0331054	1.10682
0.843229	0.0345951	0.959217	0.179748	0.75713	0.027638	1.11421
0.834201	0.0473336	0.981274	0.197279	0.765058	0.0337724	1.10463
0.843699	0.0420765	1.00608	0.209141	0.790836	0.0323537	1.10225
0.840037	0.0391193	1.02648	0.217736	0.79595	0.0325747	1.10271
0.842435	0.0368118	1.06302	0.24548	0.810704	0.0325652	1.1451
0.850208	0.0395694	1.06999	0.270025	0.816246	0.0348637	1.107
0.85989	0.0454629	1.11878	0.279595	0.838417	0.0358857	1.14765
0.861339	0.0386847	1.13113	0.294805	0.859083	0.0416097	1.10211
0.865213	0.0440706	1.16502	0.314963	0.861833	0.0356785	1.13297
0.853685	0.0369935	1.18712	0.339725	0.891038	0.0338984	1.12717
0.881142	0.0492657	1.22379	0.351476	0.893713	0.0347871	1.11716
0.879144	0.0625007	1.20984	0.348049	0.907592	0.0361419	1.12244
0.885408	0.0420382	1.23555	0.354271	0.922391	0.046723	1.13889
0.880438	0.0462595	1.24759	0.38675	0.918394	0.0405443	1.1418
0.891436	0.0437047	1.2275	0.374737	0.929285	0.0468162	1.11709
0.903551	0.0396681	1.23754	0.356521	0.927541	0.0408065	1.12984
0.893358	0.048967	1.21751	0.334865	0.909183	0.0382191	1.12159
0.886757	0.0368487	1.18083	0.326958	0.894833	0.0414884	1.104
0.892582	0.0481696	1.16741	0.318987	0.893038	0.0413067	1.10184
0.891804	0.0444942	1.13209	0.306025	0.878782	0.0415412	1.10011
0.888349	0.0309159	1.08531	0.277784	0.856344	0.0390053	1.10708
0.894446	0.0410535	1.07011	0.242609	0.843562	0.0436084	1.09961
0.878732	0.0393413	1.03335	0.232806	0.826638	0.0363842	1.08177
0.882313	0.0483119	1.00258	0.208957	0.813702	0.0377381	1.09531
0.866698	0.0351767	0.96922	0.194402	0.796864	0.0320749	1.07391
0.869799	0.0465492	0.935213	0.166963	0.777263	0.0354037	1.07253
0.867358	0.0395226	0.922149	0.165633	0.768272	0.0317831	1.08449
0.859306	0.0373821	0.903451	0.144654	0.748851	0.0268741	1.04784
0.842867	0.0369896	0.883075	0.157079	0.746277	0.025915	1.05393
0.856837	0.0509439	0.863838	0.132681	0.732846	0.0304691	1.04825
0.837738	0.0371347	0.856003	0.140007	0.726635	0.0241683	1.06416
0.83811	0.0351286	0.848535	0.130808	0.719701	0.0253746	1.07086
0.838832	0.0374277	0.828674	0.125532	0.71485	0.0327013	1.04174
0.848751	0.0459633	0.819649	0.123414	0.714985	0.029095	1.0591
0.846058	0.0388449	0.824297	0.136975	0.701643	0.0202541	1.06166
0.844326	0.0351475	0.813111	0.122175	0.702861	0.0309218	1.06323
0.839198	0.0451275	0.817037	0.116201	0.698122	0.0304617	1.07278
0.839707	0.0402739	0.798763	0.118049	0.696139	0.0281016	1.06721
0.840237	0.0499812	0.790818	0.110693	0.701742	0.0266436	1.08643
0.851748	0.0436735	0.794178	0.119421	0.70629	0.0251203	1.06473
0.849307	0.039688	0.797483	0.110429	0.702506	0.028947	1.07778
0.845985	0.0446901	0.786389	0.124538	0.704491	0.0210866	1.10001
0.849418	0.0425667	0.787815	0.106729	0.705542	0.0324214	1.09557
0.846145	0.0390052	0.782223	0.113574	0.699081	0.0218965	1.08669

0.848405	0.0486996	0.791952	0.113482	0.702396	0.0281725	1.11935
0.847176	0.0405875	0.778199	0.0996043	0.703765	0.0289203	1.10632
0.843671	0.0335678	0.776456	0.115113	0.702822	0.0302031	1.1155
0.847196	0.0346854	0.774346	0.105477	0.700633	0.0329531	1.11526
0.847905	0.0429883	0.777764	0.0961469	0.700899	0.0254439	1.1319
0.846509	0.036298	0.77053	0.101629	0.705892	0.0341651	1.14594
0.858672	0.0421144	0.76479	0.0937145	0.694743	0.026982	1.14453
0.857593	0.0378118	0.771483	0.100086	0.70085	0.0216479	1.1443
0.853528	0.033279	0.774001	0.0979894	0.696218	0.0311815	1.1416
0.869	0.0469867	0.760395	0.0972726	0.702476	0.030837	1.13957
0.860515	0.0455446	0.774867	0.0964683	0.700712	0.0304849	1.13758
0.85465	0.0447772	0.767705	0.0922729	0.694378	0.029144	1.14056
0.860897	0.0417809	0.757497	0.0983181	0.700386	0.0314289	1.15091
0.855308	0.0460532	0.75302	0.0959541	0.690117	0.0238111	1.14328
0.86099	0.0476998	0.758861	0.0753228	0.696919	0.030694	1.14385
0.862828	0.0399831	0.765624	0.0813003	0.693261	0.032249	1.15457
0.873284	0.048336	0.768717	0.102223	0.701802	0.0335086	1.1537
0.864503	0.0461755	0.761568	0.0875149	0.696155	0.0311945	1.15699
0.866981	0.0332354	0.759973	0.0858791	0.69073	0.0369788	1.15963
0.8529	0.0410277	0.757045	0.0809012	0.695479	0.0304133	1.14709
0.870564	0.0374355	0.756142	0.0913569	0.698649	0.033883	1.11514
0.856012	0.0463113	0.750202	0.0797283	0.694988	0.026924	1.12214
0.867813	0.0355794	0.758161	0.0985121	0.695845	0.0262428	1.12835
0.874754	0.0388627	0.758526	0.09003	0.697511	0.0248502	1.10186
0.861233	0.039427	0.771722	0.0940057	0.692267	0.0246872	1.10476
0.854731	0.046543	0.74656	0.0889708	0.692319	0.0272955	1.06819
0.85619	0.045326	0.757397	0.0890688	0.70102	0.0240955	1.07193
0.867438	0.0408561	0.756824	0.0802817	0.696353	0.0285281	1.07148
0.864015	0.0438959	0.762742	0.0807595	0.697337	0.0315426	1.06125
0.849034	0.0427056	0.765809	0.0950346	0.687316	0.0253184	1.03774
0.86661	0.0383892	0.756739	0.0873904	0.695534	0.0320336	1.04277
0.859966	0.0380701	0.751974	0.0817807	0.699814	0.0288414	1.03306
0.865129	0.0434513	0.760163	0.0923333	0.698703	0.0286132	1.0367
0.862237	0.0432781	0.754556	0.0878169	0.68638	0.026779	1.02273
0.844717	0.0438368	0.756307	0.0833338	0.693927	0.0244874	1.02491
0.842625	0.0456076	0.748639	0.0886789	0.693029	0.0336311	1.01309
0.857397	0.0460697	0.749095	0.0794184	0.693304	0.0284076	1.00885
0.851467	0.0365942	0.760805	0.0824528	0.702695	0.0317771	1.03458
0.863979	0.0406875	0.765323	0.090687	0.700902	0.0308868	1.0037
0.851104	0.0410449	0.754201	0.0844634	0.69778	0.0265069	0.985522
0.838598	0.0380401	0.75886	0.0912683	0.702056	0.0311756	0.999847
0.854898	0.0439535	0.775262	0.0888096	0.693208	0.0263698	1.00357
0.838285	0.0403687	0.76248	0.0898088	0.697536	0.0263979	1.01301
0.841855	0.0450822	0.759262	0.0860805	0.698726	0.0361966	1.01291
0.84438	0.0369434	0.759837	0.0848015	0.694243	0.0311507	1.00419
0.849254	0.0342205	0.752601	0.0831129	0.694155	0.0261458	1.02123
0.848752	0.0458902	0.759122	0.082373	0.696458	0.0201736	0.999229

0.850698	0.039333	0.755372	0.0833492	0.699124	0.0310885	0.98843
0.840479	0.0396731	0.758216	0.0689831	0.695741	0.0284452	1.00086
0.843469	0.0359548	0.748287	0.0779699	0.688628	0.0256525	1.00632
0.846546	0.039098	0.744384	0.077764	0.686768	0.0340516	0.992557
0.831275	0.0428439	0.766669	0.0889948	0.691812	0.0237556	0.987002
0.833879	0.0401753	0.752488	0.0836813	0.695532	0.0253376	1.00611
0.842216	0.048601	0.751991	0.0824023	0.702011	0.0270836	0.97565
0.834308	0.0489264	0.747929	0.0743534	0.690045	0.0271741	0.982012
0.848004	0.0345427	0.755709	0.0894492	0.692579	0.0257379	0.993897
0.832748	0.0374267	0.756003	0.0817325	0.689247	0.0250636	0.985412
0.834295	0.0359662	0.757052	0.0814349	0.691871	0.0311492	0.987554
0.8285	0.0434347	0.750756	0.090324	0.688852	0.033251	0.976179
0.83892	0.0444121	0.757372	0.0854812	0.694673	0.024009	0.982074
0.834213	0.0368092	0.755834	0.0838391	0.688665	0.0217652	0.982044
0.848231	0.0481967	0.744028	0.078823	0.687473	0.025644	0.982391
0.840758	0.0333417	0.748038	0.0762145	0.683085	0.0269587	0.989911
0.836375	0.0401974	0.740602	0.0796954	0.684688	0.0264757	0.962672
0.837	0.0491307	0.740433	0.0670427	0.683765	0.0249843	0.988446
0.831435	0.0455257	0.752252	0.0733748	0.695193	0.0250323	0.989052
0.823336	0.0392367	0.757627	0.0880767	0.684336	0.0289141	0.966383
0.844217	0.0428871	0.754056	0.0850616	0.687841	0.0299674	0.988633
0.834626	0.0339781	0.749482	0.0825474	0.692437	0.0263481	0.98133
0.820977	0.0456489	0.751893	0.0842839	0.686756	0.0236223	0.9893
0.832424	0.0494099	0.747514	0.0821669	0.683664	0.0326996	0.991356
0.835103	0.0405389	0.745301	0.0790531	0.686959	0.0278028	0.988734
0.841842	0.0490687	0.751951	0.0716439	0.682268	0.0278231	0.979042
0.834478	0.0321205	0.755104	0.0800713	0.682919	0.0271465	1.00373
0.831536	0.0409308	0.743936	0.0860862	0.68318	0.0204316	1.01535
0.829607	0.0469951	0.753107	0.0835957	0.690232	0.0305405	0.987903
0.839029	0.0457984	0.738081	0.0796088	0.684955	0.0170511	0.995297
0.833083	0.0386086	0.752501	0.0801323	0.681625	0.0316106	0.990568
0.828297	0.0341597	0.746173	0.085734	0.679854	0.0230431	0.998897
0.833078	0.0361229	0.743515	0.0868761	0.68362	0.0308558	1.02251
0.8285	0.0342609	0.753235	0.0766919	0.684403	0.0231436	1.01524
0.842399	0.0380671	0.754956	0.0798846	0.680625	0.0222828	1.02048
0.839311	0.0342687	0.758077	0.0858088	0.68766	0.0231338	1.03945
0.843657	0.0384446	0.749745	0.0838562	0.679469	0.0285783	1.04168
0.833385	0.0336941	0.755127	0.0810219	0.678194	0.0273453	1.03671
0.82016	0.0308444	0.752118	0.0810168	0.682189	0.0219686	1.02313
0.841726	0.046134	0.751212	0.0766755	0.68437	0.0269283	1.04384
0.842455	0.0413516	0.761375	0.0831553	0.683583	0.025813	1.05906
0.827631	0.0335236	0.755184	0.0828283	0.684124	0.0222621	1.05177
0.824714	0.0391878	0.759304	0.08703	0.681248	0.0287762	1.04885
0.830326	0.0373922	0.749479	0.0894545	0.68555	0.0259845	1.05046
0.828435	0.0404531	0.750219	0.0838986	0.679222	0.0234373	1.06252
0.82206	0.0451394	0.753951	0.0940546	0.686463	0.0274068	1.05948
0.825563	0.0407062	0.749282	0.0776435	0.679307	0.0233716	1.06082

0.825658	0.0386597	0.748458	0.0810592	0.675879	0.0299834	1.06929
0.824935	0.0356302	0.758154	0.0848329	0.672244	0.0274505	1.04552
0.817907	0.0395812	0.754149	0.0853794	0.683287	0.0341036	1.05346
0.805257	0.0335708	0.754	0.0823324	0.676053	0.0322457	1.04534
0.816671	0.0295689	0.74712	0.0847006	0.675015	0.0282661	1.03937
0.815968	0.042772	0.751255	0.0881886	0.678801	0.0331338	1.02066
0.809455	0.0346701	0.75294	0.0758733	0.667439	0.0240804	1.02289
0.812395	0.037794	0.751902	0.0829328	0.673907	0.0246692	1.02093
0.809081	0.039483	0.746908	0.0830064	0.66796	0.0324558	1.00563
0.816266	0.0410126	0.751915	0.0885602	0.671241	0.0232935	1.01967
0.806826	0.0447412	0.75722	0.0938217	0.664238	0.0263118	0.997414
0.80421	0.0419473	0.750246	0.0890714	0.672513	0.0257943	0.990956
0.802999	0.0340117	0.745323	0.0870138	0.673945	0.0245345	0.989588
0.796246	0.0412301	0.746282	0.0814619	0.670986	0.0240971	0.9851
0.80549	0.0365467	0.744798	0.0823383	0.667133	0.0215928	0.977756
0.803771	0.0461712	0.748338	0.0841383	0.669752	0.0245446	0.961601
0.800426	0.0332329	0.741782	0.0812553	0.663595	0.0212996	0.968869
0.797057	0.0308849	0.75237	0.0857508	0.658196	0.0221678	0.974919
0.79206	0.0370994	0.740037	0.0845546	0.664438	0.0275852	0.945913
0.785618	0.0376571	0.734139	0.0800211	0.662822	0.0273123	0.945732
0.785065	0.0338744	0.734217	0.0810967	0.656889	0.0245335	0.955708
0.795263	0.0414314	0.744698	0.0841562	0.657953	0.0224908	0.93932
0.793077	0.0377466	0.730524	0.0753256	0.649966	0.0274046	0.958892
0.794192	0.0421001	0.736745	0.0778362	0.656601	0.0269177	0.95587
0.783169	0.028723	0.739094	0.0904415	0.65244	0.0261344	0.928793
0.78685	0.0301117	0.731237	0.0805684	0.654708	0.0289357	0.949125
0.778919	0.045914	0.735003	0.0897039	0.653351	0.0260107	0.959145
0.787884	0.030787	0.737207	0.0857049	0.644545	0.0261581	0.953538
0.773412	0.0426539	0.738429	0.077185	0.646603	0.0209794	0.941718
0.785745	0.0506185	0.730174	0.0805476	0.647903	0.0234109	0.943891
0.781002	0.0505028	0.724081	0.0788281	0.651014	0.0239913	0.956998
0.757036	0.0415234	0.723354	0.0780007	0.648255	0.0227642	0.983028
0.773511	0.0469891	0.730283	0.0797259	0.640983	0.0328041	0.948502
0.770256	0.032475	0.719206	0.0681826	0.647186	0.0210487	0.967639
0.767002	0.0327726	0.729588	0.0796526	0.647385	0.028097	0.980438
0.768627	0.0425142	0.724627	0.0813631	0.642634	0.0196635	0.989709
0.764625	0.0396065	0.728265	0.0694427	0.646017	0.0261809	0.99585
0.762762	0.0376237	0.727828	0.08045	0.646924	0.0174005	1.01001
0.763434	0.0479703	0.734785	0.0753034	0.639929	0.0239284	1.02196
0.766899	0.0389631	0.729746	0.075493	0.638999	0.0289283	1.03191
0.753749	0.0400127	0.734033	0.0800045	0.634123	0.0276001	1.03928
0.751424	0.0437233	0.719298	0.076855	0.638564	0.0240001	1.07124
0.759219	0.0417551	0.724189	0.0747195	0.639499	0.0316636	1.06819
0.754418	0.0328176	0.727065	0.0757341	0.638032	0.0188277	1.09198
0.758648	0.0366057	0.724075	0.0673161	0.634491	0.0193622	1.10951
0.747859	0.03344	0.737494	0.0801671	0.634876	0.0223892	1.12602
0.743691	0.0358288	0.727693	0.0745392	0.636828	0.0259215	1.12639

0.747686	0.0348459	0.723219	0.0684382	0.64218	0.0256609	1.14928
0.750112	0.0327794	0.715126	0.0739055	0.638747	0.0216749	1.13131
0.744809	0.0394794	0.72433	0.0691531	0.629723	0.0176872	1.14087
0.746438	0.0346799	0.718809	0.071447	0.629433	0.0242888	1.16072
0.732498	0.0431975	0.717122	0.0733727	0.628465	0.0229791	1.16258
0.736583	0.0394093	0.722596	0.0754474	0.630136	0.017723	1.16346
0.734938	0.0380376	0.714446	0.067822	0.630273	0.0198326	1.14189
0.733256	0.0360894	0.711265	0.065246	0.624361	0.0242521	1.14423
0.733258	0.0379431	0.714533	0.0669621	0.62682	0.0226309	1.14109
0.730751	0.0328783	0.701786	0.0703251	0.625511	0.0253043	1.11414
0.739689	0.0355194	0.709804	0.0660481	0.625334	0.0239826	1.1029
0.747122	0.0420051	0.709313	0.0755712	0.628296	0.0184486	1.10315
0.738511	0.0301019	0.704076	0.0708757	0.621802	0.0226274	1.10417
0.735766	0.0424107	0.699742	0.0687401	0.624912	0.0268837	1.06636
0.719198	0.0322756	0.705685	0.0714102	0.621073	0.0243621	1.08519
0.728386	0.0339125	0.709119	0.0720991	0.621815	0.0241458	1.08389
0.723433	0.037033	0.705671	0.0691752	0.622531	0.01532	1.0895
0.729049	0.0341901	0.712302	0.0763456	0.627519	0.0155805	1.08195
0.714672	0.0294171	0.709547	0.0722268	0.625239	0.0206732	1.08232
0.73132	0.0391078	0.722338	0.0664469	0.620262	0.0193316	1.08603
0.730561	0.0337336	0.719872	0.079288	0.627074	0.0285975	1.0939
0.721762	0.0359656	0.755779	0.0815532	0.631445	0.0243965	1.12916
0.710792	0.037101	0.755805	0.0958036	0.639595	0.0261488	1.13636
0.718703	0.0346457	0.761948	0.0948172	0.642864	0.0178237	1.17701
0.729363	0.0377169	0.781665	0.108151	0.658261	0.0248233	1.20445
0.710576	0.0406256	0.794135	0.099376	0.665879	0.026188	1.24548
0.724276	0.0346723	0.805401	0.123186	0.67681	0.0237303	1.33753
0.725914	0.0364443	0.831074	0.138421	0.676028	0.0270242	1.42618
0.726804	0.0311733	0.852404	0.136987	0.690814	0.0293292	1.52736
0.73818	0.0334408	0.868738	0.153976	0.687827	0.0255392	1.6628
0.735685	0.0449901	0.876392	0.150301	0.711304	0.0291339	1.85093
0.739028	0.0442798	0.905673	0.16318	0.714815	0.0288643	2.10893
0.750783	0.0415977	0.906236	0.163825	0.72281	0.0359531	2.36145
0.739918	0.0343087	0.925237	0.166909	0.733119	0.0309053	2.72176
0.743519	0.0387593	0.942438	0.189027	0.742868	0.0331614	3.2249
0.744245	0.0405671	0.939159	0.188828	0.751805	0.0350246	3.77616
0.745565	0.0296239	0.934928	0.175309	0.748469	0.0346737	4.35815
0.742393	0.0383868	0.947725	0.178176	0.752844	0.0293195	5.10259
0.750577	0.0340317	0.942869	0.184649	0.751573	0.0364931	6.00072
0.753851	0.0384571	0.932918	0.182092	0.751382	0.0270949	6.85881
0.738608	0.0320571	0.910807	0.174765	0.738866	0.0267356	7.97525
0.743537	0.0382348	0.902172	0.168839	0.744829	0.0317572	9.15766
0.734513	0.039927	0.903372	0.183615	0.739332	0.0295949	10.4108
0.737462	0.0331416	0.887023	0.162968	0.735849	0.0320166	11.69
0.732495	0.0369019	0.885289	0.1597	0.729349	0.0245465	12.934
0.732133	0.0382046	0.865427	0.16748	0.732734	0.0297742	14.293
0.712374	0.0290937	0.855914	0.183598	0.724037	0.0249492	15.4947

0.724592	0.0406875	0.849209	0.182693	0.721315	0.0246897	16.6514
0.713781	0.0276943	0.831647	0.185818	0.716888	0.0289356	17.6194
0.699677	0.0386789	0.826746	0.182289	0.718804	0.0329662	18.5174
0.703071	0.0356178	0.832983	0.194977	0.702991	0.0373228	19.2301
0.704591	0.0387725	0.809462	0.177388	0.69945	0.0327313	19.7861
0.690454	0.0260051	0.79719	0.188334	0.698019	0.0288447	19.9108
0.682903	0.0394224	0.790752	0.200675	0.702785	0.0319859	19.9456
0.688745	0.0310815	0.784081	0.176859	0.696859	0.0253275	19.6697
0.680676	0.0356054	0.772915	0.171676	0.675152	0.0285855	19.0416
0.67357	0.0396407	0.754436	0.16982	0.679877	0.0286356	18.4268
0.679237	0.0360753	0.744211	0.147853	0.669471	0.0298475	17.4087
0.667754	0.042197	0.733195	0.151784	0.653461	0.0300205	16.2454
0.665785	0.0337319	0.726888	0.131735	0.65221	0.022735	15.0644
0.663807	0.0331811	0.715625	0.134607	0.644678	0.0332739	13.7368
0.667833	0.0343418	0.70541	0.123093	0.637838	0.0303985	12.4629
0.670583	0.0285583	0.688001	0.105763	0.619389	0.0263769	11.0974
0.66528	0.0287997	0.68204	0.094568	0.62252	0.0239757	9.85888
0.650799	0.0415258	0.682779	0.0883349	0.610292	0.0240986	8.54868
0.664775	0.0356457	0.663897	0.076942	0.60255	0.0244727	7.42176
0.661938	0.0261695	0.664949	0.0751326	0.596611	0.0286461	6.40743
0.664496	0.0409443	0.661744	0.0723697	0.591498	0.0172249	5.41277
0.663474	0.0364521	0.652634	0.0636212	0.578307	0.0233367	4.60072
0.654036	0.0366044	0.643516	0.0609519	0.582717	0.018595	3.87436
0.654275	0.0357727	0.640515	0.0638706	0.569322	0.0255036	3.24846
0.64794	0.0331241	0.632877	0.0615648	0.582413	0.0231746	2.75451
0.648437	0.0330404	0.631078	0.0503339	0.568815	0.0223753	2.34713
0.64517	0.0295818	0.626496	0.0551879	0.560817	0.0179258	1.97609
0.639766	0.0319626	0.623867	0.0550159	0.559627	0.0180242	1.72792
0.644024	0.0388813	0.632668	0.0592187	0.55616	0.0222186	1.51612
0.648865	0.029835	0.615777	0.052055	0.556851	0.0217917	1.35475
0.639032	0.0378634	0.617149	0.0449052	0.54975	0.0238493	1.22993
0.642343	0.0358957	0.602195	0.0517908	0.550632	0.024473	1.1115
0.645051	0.0320855	0.610354	0.0589274	0.541489	0.0210899	1.06625
0.640542	0.0328498	0.596479	0.0509776	0.541647	0.0163035	0.978749
0.633393	0.0313291	0.605792	0.0573135	0.540513	0.019801	0.98021
0.62859	0.034828	0.596228	0.0548478	0.54343	0.0170563	0.958205
0.635022	0.0365342	0.596774	0.0490531	0.530204	0.0239378	0.936563
0.625513	0.034567	0.603644	0.0510916	0.535502	0.0214428	0.932248
0.633564	0.0424712	0.588308	0.0542987	0.535178	0.02105	0.909832
0.628083	0.038744	0.594361	0.0587719	0.53717	0.0197314	0.915826
0.624813	0.0324154	0.589111	0.0591209	0.52771	0.0208022	0.929077
0.619539	0.0343992	0.586629	0.0481403	0.533067	0.0274892	0.943794
0.606679	0.0299114	0.577892	0.0516572	0.535807	0.0162889	0.937044
0.614601	0.0374819	0.583531	0.0546829	0.527536	0.0264317	0.960615
0.625925	0.0317952	0.58375	0.0462009	0.535477	0.0263291	0.992792
0.622233	0.0292699	0.591554	0.0502923	0.542041	0.0203571	1.01302
0.621663	0.029896	0.582961	0.0529576	0.531841	0.0237867	1.07792

0.620508	0.039744	0.596248	0.0549721	0.543153	0.0193075	1.10778
0.614682	0.0334725	0.587777	0.0452224	0.539274	0.0197647	1.1901
0.609719	0.025528	0.593574	0.0509285	0.551105	0.018239	1.25518
0.613734	0.0296645	0.600772	0.0571594	0.56053	0.0239728	1.36526
0.59804	0.0348238	0.596632	0.0559654	0.560607	0.0220581	1.47078
0.618982	0.0294414	0.601026	0.0496656	0.569074	0.0225895	1.60108
0.602109	0.0292139	0.608787	0.0562048	0.579576	0.0254877	1.7815
0.607041	0.0342343	0.618276	0.0562014	0.58984	0.0250529	1.96471
0.60642	0.0335709	0.617727	0.0614559	0.605095	0.0218077	2.16063
0.606957	0.0298983	0.622461	0.0619909	0.609842	0.0200211	2.44111
0.613392	0.0307011	0.631775	0.0553196	0.620486	0.0262991	2.70057
0.60149	0.0306966	0.637709	0.0569245	0.625527	0.0228424	2.99544
0.603475	0.0393442	0.633364	0.0691568	0.638452	0.0192358	3.32111
0.611593	0.0296038	0.656142	0.0596698	0.645767	0.0227322	3.65218
0.61281	0.0297517	0.648407	0.0681567	0.659877	0.0332556	4.02041
0.614398	0.0310258	0.655743	0.0745524	0.656985	0.0238707	4.39351
0.593953	0.0301143	0.660074	0.0790826	0.665453	0.0271433	4.70981
0.609395	0.0327554	0.661361	0.0818789	0.671237	0.0274619	5.06449
0.608117	0.0324191	0.663163	0.0793838	0.672053	0.025753	5.4101
0.61434	0.0283861	0.652426	0.0834511	0.677183	0.0261565	5.67749
0.605251	0.039904	0.661119	0.0777708	0.674386	0.0232831	5.92372
0.609052	0.0264609	0.65875	0.0799503	0.664594	0.02232	6.12288
0.609565	0.0261956	0.648183	0.0789853	0.659947	0.0222867	6.26816
0.59914	0.0351034	0.642011	0.078528	0.656922	0.0259684	6.32932
0.600031	0.0340094	0.647753	0.0807222	0.647124	0.0241592	6.35545
0.597082	0.0289319	0.632436	0.0897514	0.634078	0.0213865	6.31338
0.59975	0.0371901	0.619723	0.0753907	0.621902	0.0301133	6.14225
0.59224	0.0309263	0.61659	0.0792393	0.609553	0.0219439	5.9413
0.597002	0.0304517	0.604207	0.0713427	0.595348	0.022154	5.66514
0.608273	0.0305447	0.605137	0.0693262	0.596438	0.0214175	5.3918
0.60161	0.028748	0.603013	0.0629592	0.586642	0.021806	5.02486
0.588488	0.0331903	0.586905	0.0708599	0.572361	0.0228293	4.69165
0.597193	0.0282843	0.583625	0.0645817	0.551619	0.0230587	4.2813
0.594522	0.0427784	0.568334	0.0524075	0.540237	0.0277448	3.91646
0.593506	0.0324615	0.566475	0.0568623	0.539734	0.0184303	3.51161
0.592461	0.0319687	0.566968	0.054817	0.527073	0.0252717	3.14936
0.58575	0.0314932	0.554559	0.046988	0.515377	0.0253253	2.82189
0.587034	0.0360401	0.555491	0.0501238	0.510168	0.0231998	2.52594
0.58191	0.0306646	0.555895	0.0488575	0.508161	0.017746	2.19163
0.5894	0.029097	0.540405	0.0482158	0.502149	0.0209656	1.9357
0.584979	0.0356675	0.546107	0.0410864	0.501401	0.0192098	1.69319
0.578005	0.0240229	0.54062	0.0464164	0.503664	0.0198472	1.49548
0.587613	0.0299813	0.535916	0.0420626	0.491831	0.0176484	1.33914
0.574736	0.0330834	0.534618	0.0389236	0.495323	0.0181018	1.19083
0.580404	0.0252783	0.534459	0.0445016	0.488674	0.0176775	1.08747
0.579819	0.0291071	0.529715	0.0501465	0.485496	0.0171217	0.976335
0.581624	0.0315587	0.537392	0.0442005	0.484122	0.0205107	0.873897

0.589563	0.0253373	0.529009	0.0453839	0.480207	0.0201236	0.824656
0.584381	0.0320799	0.52544	0.0435471	0.48043	0.0164074	0.799983
0.569007	0.0275484	0.533882	0.0485008	0.482525	0.020327	0.742294
0.573777	0.0308751	0.530613	0.044285	0.482783	0.015954	0.724025
0.569933	0.0381553	0.520676	0.0413471	0.484451	0.0205903	0.693485
0.571889	0.027839	0.526934	0.0401845	0.486831	0.0199457	0.683843
0.569986	0.0246392	0.527039	0.0382143	0.483226	0.0227057	0.685132
0.57006	0.0299981	0.531536	0.0483228	0.478115	0.0197927	0.669163
0.566935	0.0291506	0.524828	0.0368536	0.478388	0.0172519	0.680042
0.571812	0.0373532	0.531839	0.0424754	0.477432	0.0197527	0.664942
0.56695	0.0341429	0.52083	0.0401548	0.475035	0.0204272	0.688814
0.574429	0.037602	0.519195	0.0432336	0.480238	0.0156208	0.670131
0.568419	0.0308518	0.524907	0.0392914	0.479423	0.0221413	0.65997
0.565168	0.0362642	0.520634	0.0462192	0.477552	0.0160699	0.672836
0.572088	0.0308017	0.526279	0.0408813	0.480002	0.0212488	0.669566
0.572505	0.0247762	0.530804	0.0511775	0.476006	0.0212077	0.684012
0.575143	0.036004	0.525998	0.0370907	0.477457	0.0184031	0.675455
0.568843	0.0284158	0.526204	0.0363077	0.472365	0.0219761	0.69468
0.570164	0.0264156	0.515405	0.0392834	0.482979	0.0207571	0.704468
0.570641	0.0311307	0.526213	0.035758	0.478818	0.0189188	0.689886
0.567125	0.0322773	0.527389	0.0313657	0.485167	0.0178833	0.710064
0.579777	0.0284526	0.52375	0.0410753	0.4867	0.0206228	0.711096
0.584805	0.0296736	0.527475	0.0412664	0.489769	0.0212398	0.734439
0.593259	0.0269557	0.5244	0.047902	0.491853	0.0207333	0.742899
0.596197	0.0293207	0.545304	0.0440849	0.503384	0.0209922	0.748141
0.609112	0.0428777	0.541754	0.0407442	0.516451	0.0248607	0.772615
0.620558	0.0300785	0.546754	0.0468355	0.522708	0.0212328	0.78676
0.642015	0.0398168	0.563838	0.046337	0.544748	0.0242525	0.781597
0.667338	0.0307963	0.578769	0.0473522	0.562022	0.0264694	0.866774
0.689825	0.0375692	0.594012	0.0426692	0.591712	0.0376976	0.860003
0.754784	0.0469969	0.611478	0.0560389	0.620869	0.0302461	0.908624
0.794788	0.0574424	0.640988	0.05164	0.651031	0.0408739	0.967646
0.845547	0.0570102	0.662945	0.0637403	0.695636	0.0394708	0.998702
0.931309	0.0678012	0.678811	0.0625835	0.731793	0.0456525	1.05547
1.02711	0.0738474	0.712819	0.0683656	0.778227	0.0527896	1.10576
1.11775	0.0870677	0.742222	0.0826584	0.832758	0.0693591	1.15654
1.24148	0.0885916	0.773291	0.0873106	0.891669	0.077141	1.20823
1.37005	0.104781	0.815055	0.0955848	0.943429	0.0758064	1.25921
1.51808	0.118082	0.845891	0.0959571	1.00546	0.0907785	1.31178
1.69648	0.139804	0.876272	0.107538	1.06921	0.0971614	1.35878
1.87414	0.158274	0.917807	0.114419	1.12753	0.0962622	1.43269
2.03117	0.179235	0.948869	0.116559	1.18491	0.114925	1.43442
2.22872	0.196784	0.963829	0.130755	1.2321	0.128214	1.48362
2.42686	0.212458	0.982133	0.126764	1.28585	0.13516	1.50973
2.56792	0.242895	1.0074	0.12886	1.31245	0.136812	1.55548
2.76836	0.262607	1.01818	0.122852	1.3499	0.130513	1.51722
2.95114	0.283023	1.02751	0.139349	1.37036	0.1446	1.51346



3.08097	0.273188	1.02621	0.14042	1.39989	0.151167	1.48044
3.20692	0.285975	1.02436	0.135656	1.38908	0.138281	1.47822
3.33998	0.305627	1.01065	0.134749	1.36943	0.155568	1.45569
3.3747	0.31093	0.985875	0.132486	1.34267	0.135805	1.42903
3.44085	0.331503	0.956454	0.100633	1.31143	0.137208	1.37162
3.43042	0.31145	0.938573	0.120026	1.27714	0.138834	1.31633
3.36867	0.331777	0.913562	0.104015	1.22756	0.112724	1.26981
3.32149	0.322542	0.871157	0.0951285	1.16662	0.119221	1.18034
3.21567	0.294367	0.830437	0.0823338	1.10752	0.105897	1.13848
3.08892	0.266367	0.795401	0.0891119	1.04228	0.100368	1.09815
2.94177	0.269756	0.756469	0.0782539	0.985139	0.0922952	1.00533
2.78912	0.267491	0.725555	0.0764785	0.923947	0.0839511	0.955422
2.58594	0.226465	0.680757	0.0601226	0.856598	0.0616258	0.886144
2.39791	0.220079	0.656952	0.0575085	0.790916	0.0614877	0.837097
2.23152	0.199131	0.630683	0.0478254	0.742868	0.0518916	0.802682
2.01156	0.173751	0.607303	0.0416708	0.684806	0.0372444	0.750993
1.83504	0.160404	0.588788	0.0382569	0.641523	0.0341236	0.727158
1.6425	0.159776	0.557099	0.0443416	0.612161	0.0336355	0.701454
1.47125	0.115277	0.552194	0.0414544	0.573761	0.0276664	0.669257
1.30639	0.0863896	0.532319	0.0347525	0.541807	0.025394	0.640288
1.18545	0.0879692	0.513413	0.0364114	0.518881	0.0238533	0.628912
1.07001	0.0754804	0.496009	0.0329285	0.49459	0.0227296	0.617881
0.96032	0.0553705	0.50123	0.0298411	0.483987	0.0221971	0.608833
0.866156	0.0558392	0.490525	0.0276905	0.465255	0.0251402	0.592432
0.791763	0.0448238	0.487603	0.0422787	0.453376	0.0237981	0.588683
0.708699	0.036652	0.485144	0.0337481	0.443459	0.0194136	0.572375
0.665438	0.0376188	0.476792	0.0304425	0.438623	0.0191527	0.571554
0.629585	0.0417429	0.472174	0.0355851	0.431025	0.0178432	0.571727
0.596897	0.0328971	0.459925	0.0281929	0.429924	0.0182529	0.569337
0.573365	0.0277303	0.467407	0.0342654	0.427622	0.0178258	0.57234
0.537057	0.0353449	0.468777	0.0345064	0.422352	0.0148654	0.569101
0.525711	0.0301985	0.46577	0.0410903	0.419975	0.0151795	0.580774
0.509527	0.0298111	0.45796	0.0372953	0.41822	0.0157281	0.557806
0.506275	0.0291974	0.461558	0.0289495	0.414966	0.0199121	0.566791
0.496285	0.035569	0.456697	0.0318028	0.4168	0.0209632	0.569126
0.48673	0.026952	0.447552	0.0321349	0.412803	0.0176571	0.552421
0.491151	0.0220831	0.461108	0.029552	0.409258	0.0178475	0.567158
0.495678	0.0324598	0.452107	0.032946	0.406598	0.0178461	0.556756
0.480039	0.0227731	0.457895	0.0322302	0.404858	0.0141529	0.552035
0.477471	0.0241979	0.45114	0.0318616	0.404667	0.0171891	0.575312
0.478648	0.0287182	0.448096	0.0287022	0.404529	0.018679	0.551822
0.47481	0.0312918	0.441572	0.0312753	0.401741	0.0224681	0.54929
0.474828	0.0255929	0.446133	0.0227668	0.406682	0.0187688	0.556181
0.471292	0.026936	0.440352	0.0247691	0.407912	0.0125779	0.547841
0.461825	0.0343717	0.447146	0.0319876	0.406576	0.0196698	0.560443
0.466353	0.0267699	0.453629	0.0347057	0.409913	0.0203471	0.54141
0.460746	0.0286394	0.444677	0.0361365	0.40415	0.0184981	0.544383

0.464268	0.0283781	0.44573	0.0335984	0.402906	0.0135638	0.549983
0.467135	0.026792	0.443079	0.0292813	0.4	0.0131973	0.539933
0.457713	0.0275041	0.448479	0.0311479	0.406094	0.022215	0.534689
0.46725	0.0250168	0.445609	0.0277698	0.40164	0.0197579	0.530854
0.459912	0.0247551	0.454575	0.027824	0.40047	0.0160269	0.534535
0.449109	0.0261545	0.455173	0.0356867	0.407038	0.0206433	0.518729
0.459394	0.0288714	0.452974	0.0361686	0.398538	0.0143205	0.527501
0.461332	0.0276065	0.450527	0.0331936	0.402223	0.0198894	0.527125
0.454717	0.0230333	0.453409	0.0358462	0.399002	0.0191991	0.528463
0.460029	0.0298299	0.462468	0.0353554	0.403671	0.0209461	0.518777
0.455058	0.0258198	0.463156	0.0321281	0.410298	0.0157509	0.533135
0.455738	0.0324506	0.462059	0.029978	0.409772	0.0209279	0.528831
0.458927	0.024397	0.468595	0.0350907	0.415834	0.0199825	0.521193
0.46657	0.0273751	0.466147	0.0282314	0.415295	0.0238987	0.516082
0.460982	0.0245355	0.4618	0.036094	0.413495	0.015086	0.510819
0.45933	0.0300135	0.461151	0.0347651	0.420836	0.0170124	0.51446
0.457775	0.0274367	0.461147	0.0355579	0.416495	0.016722	0.532657
0.455296	0.0235804	0.460744	0.0322535	0.42427	0.0172214	0.508531
0.454438	0.0274683	0.462905	0.03063	0.426901	0.0165026	0.527196
0.454822	0.0306505	0.460953	0.0290026	0.426163	0.0176957	0.510385
0.447171	0.0223377	0.451233	0.0292941	0.428292	0.0200139	0.527835
0.450297	0.0230173	0.458857	0.0266351	0.42715	0.0226283	0.534738
0.447978	0.0234843	0.447216	0.0308956	0.43179	0.0155308	0.531475
0.44849	0.0191251	0.445017	0.0297537	0.436677	0.0180693	0.522591
0.439888	0.0284899	0.449031	0.0299489	0.431352	0.0179968	0.537332
0.444822	0.0291303	0.440165	0.0319653	0.430728	0.0239315	0.52641
0.444286	0.0232663	0.452021	0.0352505	0.441814	0.0186116	0.527584
0.448896	0.025368	0.45058	0.0320641	0.438549	0.0219439	0.535206
0.446733	0.0262391	0.433055	0.0245267	0.444919	0.0172201	0.535427
0.448952	0.0316397	0.43455	0.0259569	0.440354	0.0158394	0.524137
0.438856	0.0256272	0.438909	0.0271416	0.4431	0.0201687	0.530618
0.430536	0.0234954	0.430862	0.0316588	0.445726	0.0195846	0.526469
0.433829	0.0220303	0.44081	0.0301192	0.442375	0.0188333	0.538802
0.446647	0.0299802	0.429213	0.0298737	0.444257	0.0256246	0.532415
0.428597	0.0298484	0.433507	0.0322583	0.442887	0.0172371	0.524664
0.43277	0.0308257	0.434804	0.0343242	0.440547	0.0173015	0.532001
0.431558	0.0233478	0.420173	0.028211	0.442825	0.0208971	0.530249
0.429473	0.0268805	0.426084	0.0288286	0.435989	0.0211324	0.520471
0.430543	0.0262861	0.416297	0.0204009	0.431914	0.018096	0.526004
0.429612	0.0299126	0.414131	0.0353871	0.422874	0.0190701	0.50621
0.432457	0.0221065	0.415197	0.0322332	0.420474	0.0182175	0.534534
0.42918	0.0247558	0.417213	0.0252988	0.417662	0.0122951	0.526074
0.433287	0.0211033	0.41481	0.0205661	0.408779	0.0126309	0.517439
0.422265	0.0291305	0.411228	0.0279494	0.411051	0.0201222	0.503301
0.426941	0.0249578	0.403551	0.0332775	0.400942	0.0147351	0.49242
0.421887	0.0206214	0.406789	0.0263897	0.391774	0.0160697	0.509823
0.426264	0.0257914	0.398097	0.0282741	0.38851	0.0149234	0.484627

0.41676	0.0268354	0.39936	0.0294571	0.384151	0.0193837	0.498425
0.421209	0.020349	0.400008	0.0241821	0.384807	0.0148081	0.495916
0.417547	0.0273405	0.396981	0.0327569	0.379624	0.0187437	0.473071
0.421017	0.0258252	0.391072	0.0299095	0.368199	0.0184375	0.484358
0.416177	0.0242499	0.395391	0.0279784	0.370146	0.0178655	0.470872
0.411402	0.032982	0.388369	0.0191231	0.364004	0.0158059	0.469748
0.412767	0.0320025	0.386457	0.0302409	0.363875	0.0142398	0.482686
0.414777	0.0273483	0.390196	0.0221356	0.363519	0.020292	0.470264
0.411709	0.0206306	0.387957	0.0295484	0.360907	0.0182947	0.478936
0.415038	0.027779	0.389876	0.0279417	0.357785	0.0167071	0.474933
0.403879	0.0324922	0.384699	0.0298785	0.356204	0.0143909	0.483068
0.405351	0.0269945	0.383516	0.0260367	0.354213	0.0180597	0.455878
0.406875	0.0245078	0.373106	0.0217247	0.351504	0.0156729	0.459289
0.407713	0.021255	0.378723	0.0235752	0.34851	0.0192152	0.463278
0.400086	0.0241934	0.37175	0.0162644	0.353525	0.014827	0.459746
0.399691	0.0237797	0.375303	0.0246921	0.348863	0.0153023	0.4461
0.411241	0.0279025	0.374814	0.0283775	0.348893	0.0168292	0.463354
0.400062	0.0235072	0.370103	0.0262242	0.349793	0.0135764	0.445783
0.399545	0.0298336	0.366164	0.0231011	0.342725	0.0195254	0.448113
0.402075	0.0193604	0.364866	0.0296898	0.342594	0.0140024	0.451382
0.395129	0.0294175	0.363019	0.0209717	0.333897	0.0144009	0.454423
0.392696	0.023487	0.364666	0.0284044	0.336504	0.017038	0.445679
0.388081	0.0201332	0.360095	0.0247132	0.336044	0.0138537	0.438064
0.383301	0.0234168	0.364268	0.0260682	0.33645	0.0185271	0.455674
0.384514	0.0259593	0.360905	0.0246477	0.331843	0.0147678	0.455143
0.383478	0.0243364	0.353309	0.0300634	0.334024	0.0177825	0.450816
0.390956	0.0201808	0.359639	0.0214211	0.32672	0.0149284	0.44354
0.38649	0.028489	0.355569	0.019179	0.327954	0.0176358	0.440393
0.383669	0.0228458	0.354969	0.0188604	0.329143	0.0169686	0.425687
0.386343	0.024239	0.357817	0.0214076	0.324859	0.011571	0.428787
0.380068	0.0222764	0.348366	0.0232475	0.327199	0.0135231	0.429706
0.377566	0.0268287	0.357513	0.0218038	0.327696	0.0158422	0.437475
0.380191	0.0248201	0.350646	0.0254279	0.326269	0.013864	0.438539
0.378618	0.0205123	0.348517	0.0260842	0.323946	0.0170505	0.433899
0.381004	0.0180105	0.353033	0.0259264	0.324282	0.0129055	0.437607
0.378779	0.020012	0.354302	0.0266583	0.327375	0.0169762	0.443514
0.36375	0.0186736	0.350417	0.0201617	0.322353	0.0154777	0.422961
0.374134	0.0216623	0.347677	0.0182801	0.325434	0.018709	0.435805
0.370352	0.0260606	0.346413	0.0213956	0.323016	0.0161187	0.431045
0.371657	0.026431	0.353314	0.0258247	0.32384	0.0161862	0.43657
0.361418	0.023488	0.350003	0.0203981	0.324543	0.0165774	0.429246
0.36631	0.0250857	0.355366	0.0237927	0.328706	0.0156096	0.42496
0.368611	0.022338	0.359108	0.0233109	0.336022	0.0169089	0.441032
0.372983	0.0247618	0.353636	0.0262258	0.334969	0.016741	0.439477
0.373695	0.0203167	0.361711	0.023256	0.337345	0.0149603	0.432867
0.372565	0.0238763	0.364187	0.0292382	0.341803	0.015345	0.440617
0.367507	0.0252263	0.372445	0.0283031	0.347526	0.0186873	0.460382

0.373101	0.0273198	0.371106	0.0279312	0.350389	0.0186788	0.460806
0.372747	0.0227219	0.381592	0.028381	0.360717	0.0155083	0.470588
0.374305	0.0237585	0.396778	0.0320446	0.368679	0.0170051	0.47361
0.385034	0.028005	0.406476	0.0309305	0.377006	0.0158336	0.481107
0.382458	0.026142	0.405125	0.0329599	0.398271	0.0162245	0.50555
0.387572	0.022275	0.41799	0.0365811	0.407015	0.0170719	0.509076
0.390933	0.0248179	0.424168	0.04066	0.421487	0.0157775	0.513595
0.393666	0.0231348	0.445936	0.0431036	0.44217	0.0198121	0.544598
0.403038	0.0248605	0.457763	0.0484866	0.459342	0.0261641	0.557364
0.412109	0.0293871	0.468915	0.048262	0.472039	0.0189555	0.559018
0.422185	0.0243386	0.479725	0.0518964	0.492576	0.0189174	0.593498
0.438379	0.0236905	0.494206	0.0631042	0.517385	0.0223507	0.607107
0.44605	0.0311423	0.514799	0.0580688	0.532266	0.0151618	0.611955
0.457509	0.030931	0.526565	0.0629657	0.553971	0.0222865	0.635754
0.482695	0.0248145	0.540793	0.0758684	0.574643	0.0214618	0.6613
0.492618	0.0331723	0.554153	0.0665572	0.5917	0.0237729	0.672975
0.517868	0.0280956	0.563491	0.0778713	0.613373	0.0285312	0.701737
0.550447	0.0301159	0.576489	0.0681481	0.631762	0.0318014	0.703903
0.567068	0.0416313	0.588484	0.0701704	0.641743	0.0259183	0.706512
0.599097	0.0285495	0.589085	0.0683531	0.656873	0.0313818	0.724015
0.634362	0.0391401	0.588654	0.0671515	0.675727	0.0327963	0.723274
0.667313	0.0428992	0.586271	0.0760226	0.67239	0.026418	0.726437
0.691694	0.0380604	0.58316	0.0690281	0.684147	0.0319127	0.713357
0.739457	0.0502417	0.590378	0.0717178	0.689146	0.0360915	0.725761
0.758465	0.0459265	0.581359	0.077765	0.679632	0.0295235	0.698522
0.787311	0.0473008	0.573979	0.0608476	0.673907	0.0236784	0.727899
0.814967	0.0406562	0.565541	0.0702577	0.663436	0.0301339	0.702997
0.846948	0.0578279	0.548886	0.0577082	0.652603	0.0362848	0.707964
0.865456	0.0513862	0.537688	0.0533707	0.63547	0.0258986	0.671476
0.879251	0.0628924	0.522067	0.0471196	0.615043	0.0280215	0.654165
0.894939	0.0611724	0.500567	0.0460074	0.603712	0.0296525	0.624571
0.903477	0.0581665	0.494213	0.0412052	0.579377	0.0272789	0.620182
0.896992	0.0692615	0.473201	0.0422399	0.557557	0.0312242	0.594417
0.893701	0.0633693	0.457416	0.0314412	0.540994	0.0258737	0.569904
0.878145	0.0576213	0.443713	0.0365546	0.514235	0.0273159	0.555993
0.860963	0.0551546	0.425245	0.0299615	0.482806	0.0193363	0.531561
0.842802	0.0663398	0.409666	0.0355294	0.460869	0.0205565	0.505132
0.811444	0.0547667	0.399808	0.0295306	0.447807	0.0238067	0.492208
0.78513	0.0595718	0.382475	0.0234908	0.419298	0.020143	0.470888
0.750425	0.0570436	0.371953	0.0152138	0.399249	0.0172037	0.462291
0.713574	0.0514614	0.361065	0.0246954	0.391015	0.0215668	0.440067
0.683845	0.0378127	0.352008	0.0252994	0.371178	0.0187227	0.430989
0.634551	0.0507087	0.34189	0.0189318	0.353336	0.0228171	0.424402
0.601395	0.039391	0.34211	0.0303332	0.350046	0.0143282	0.41805
0.585071	0.0389024	0.334003	0.0195048	0.335526	0.0170213	0.402572
0.54545	0.0333785	0.32845	0.0251455	0.330156	0.0175537	0.407153
0.518376	0.0328267	0.321969	0.019798	0.315474	0.0154344	0.409577

0.495429	0.0273562	0.323996	0.0252299	0.316726	0.0168537	0.406828
0.470301	0.0297434	0.316517	0.023792	0.311022	0.0168535	0.387461
0.444803	0.0247156	0.315926	0.025141	0.309344	0.0210127	0.390184
0.433332	0.036724	0.316907	0.0195148	0.304958	0.0104925	0.388948
0.420973	0.0250667	0.310027	0.0230787	0.303111	0.0113705	0.383744
0.407953	0.034263	0.312031	0.0243748	0.302774	0.0129783	0.3908
0.406882	0.0233342	0.304384	0.0175278	0.295838	0.0147579	0.391398
0.399343	0.0295255	0.313116	0.0224096	0.297754	0.0159275	0.391301
0.390484	0.0243817	0.310749	0.0222453	0.296615	0.0182349	0.376526
0.379143	0.0262167	0.311588	0.02109	0.290512	0.0163451	0.382768
0.383608	0.0248558	0.300284	0.0205372	0.292673	0.0120241	0.375931
0.379453	0.0244322	0.303458	0.0238919	0.289224	0.0145434	0.367125
0.370782	0.0258836	0.298525	0.0225769	0.288329	0.0171424	0.370066
0.372391	0.026099	0.296751	0.0222386	0.282395	0.0142138	0.370324
0.364336	0.0270242	0.299338	0.0200882	0.282617	0.016611	0.366802
0.351734	0.024795	0.302361	0.0204555	0.283508	0.0173629	0.363711
0.352457	0.0249939	0.30109	0.0184389	0.285317	0.0177184	0.365954
0.353244	0.022364	0.296815	0.0206117	0.273842	0.0138342	0.37024
0.341526	0.0243206	0.292637	0.0173581	0.274783	0.013893	0.364688
0.341346	0.0234739	0.296769	0.0223972	0.277553	0.0155967	0.373243
0.344861	0.0213764	0.289373	0.0186873	0.276121	0.0155281	0.357431
0.329023	0.0245757	0.292838	0.018996	0.267467	0.0131609	0.368785
0.327122	0.0235436	0.293197	0.0224255	0.265498	0.0135769	0.359529
0.313202	0.0197215	0.29208	0.0194603	0.265898	0.0141002	0.358981
0.317661	0.0191942	0.29044	0.0166819	0.268474	0.0141549	0.344414
0.312922	0.0261367	0.288178	0.0188223	0.268206	0.0165416	0.355978
0.306693	0.0220535	0.290739	0.0184721	0.26431	0.0148252	0.357948
0.306369	0.0243737	0.283141	0.0232214	0.263489	0.0110044	0.353782
0.304682	0.0215716	0.28579	0.0194251	0.265134	0.0169254	0.355003
0.295589	0.0186517	0.280449	0.0177733	0.258599	0.0136566	0.353974
0.287162	0.0258775	0.280293	0.0210475	0.255546	0.0153423	0.351172
0.296714	0.0209079	0.279489	0.0203061	0.257566	0.0116739	0.358061
0.294479	0.0192243	0.286867	0.0199123	0.258793	0.01149	0.357117
0.288366	0.0208972	0.28008	0.0183879	0.260148	0.0121742	0.353041
0.292331	0.0235089	0.277779	0.018558	0.25552	0.0111247	0.353493
0.293592	0.021106	0.281663	0.0215032	0.259922	0.0150564	0.360668
0.286132	0.0147861	0.280999	0.024556	0.260046	0.013033	0.345433
0.287881	0.0229284	0.277772	0.0209642	0.255709	0.0122067	0.346094
0.283464	0.0210654	0.282026	0.0153962	0.258439	0.010954	0.334144
0.28629	0.0254145	0.283658	0.0242186	0.256848	0.00922117	0.353049
0.2804	0.0190923	0.279639	0.0177952	0.259559	0.0158335	0.34509
0.28157	0.0230214	0.275144	0.0229916	0.26185	0.0157154	0.352896
0.283389	0.020536	0.275533	0.0148286	0.255736	0.0124974	0.361903
0.286848	0.0219463	0.275803	0.02021	0.256361	0.0142218	0.35531
0.276703	0.0203844	0.276887	0.0214737	0.256012	0.0152786	0.350449
0.279708	0.0231304	0.272893	0.0187178	0.260718	0.013051	0.344431
0.285129	0.0159699	0.280602	0.0179683	0.260765	0.0117901	0.343951

0.277747	0.014617	0.27412	0.0209203	0.257982	0.00934941	0.331298
0.277063	0.0238026	0.271916	0.0162068	0.258131	0.0127139	0.338477
0.274781	0.0159088	0.277775	0.0215939	0.255906	0.0144028	0.346172
0.280104	0.0215283	0.276407	0.0205147	0.261936	0.0170737	0.350509
0.276817	0.0146052	0.277048	0.0122776	0.263135	0.0103681	0.3455
0.271715	0.0211279	0.271532	0.022029	0.261213	0.0139539	0.347309
0.272281	0.0191874	0.275464	0.0156341	0.255851	0.0109707	0.336806
0.264315	0.0190926	0.272351	0.0195711	0.260729	0.0136486	0.344535
0.27503	0.0219475	0.27476	0.021697	0.259164	0.0139141	0.339272
0.272855	0.024648	0.269812	0.0193894	0.260187	0.0145563	0.340807
0.26698	0.0200084	0.271753	0.0205855	0.261323	0.0123258	0.341503
0.268665	0.0191836	0.269683	0.0212365	0.260684	0.0108759	0.336682
0.274406	0.025276	0.265316	0.0188411	0.261477	0.0175706	0.330529
0.264842	0.0164092	0.273912	0.0199248	0.258304	0.0148587	0.35035
0.266152	0.0147587	0.27077	0.0159474	0.257504	0.013459	0.333739
0.265782	0.019789	0.278392	0.0162054	0.259649	0.017781	0.337163
0.269076	0.0192794	0.27059	0.0173784	0.259099	0.0109478	0.346297
0.265818	0.0196514	0.268835	0.0189252	0.260861	0.0170058	0.326312
0.265564	0.0175797	0.272724	0.0154226	0.255313	0.0137512	0.345453
0.266491	0.0193402	0.261665	0.015721	0.251063	0.0169964	0.34336
0.263352	0.019464	0.261776	0.0168088	0.25469	0.0114121	0.337609
0.265606	0.0195495	0.26068	0.0186471	0.260021	0.0111912	0.338492
0.262767	0.0185545	0.260388	0.0141556	0.249275	0.0120857	0.33932
0.266319	0.017548	0.26793	0.0224945	0.254666	0.0121221	0.345342
0.264803	0.0175329	0.261265	0.0265667	0.252723	0.0157176	0.336355
0.263926	0.021087	0.257024	0.0204219	0.251131	0.0117838	0.33458
0.259475	0.0190185	0.265298	0.0155137	0.24986	0.0123298	0.334462
0.262233	0.0176373	0.262517	0.0213234	0.245047	0.0135779	0.328406
0.264868	0.0187316	0.261576	0.0195948	0.244202	0.0161001	0.338948
0.260026	0.0191576	0.265807	0.023043	0.24406	0.0139055	0.325044
0.259806	0.017218	0.266043	0.0183182	0.247227	0.0147327	0.330919
0.259026	0.0191524	0.26003	0.0197557	0.24266	0.0135949	0.330978
0.256145	0.0225233	0.251723	0.0175915	0.24453	0.0139724	0.335887
0.255501	0.0185535	0.259618	0.0207703	0.24406	0.0134211	0.337256
0.257449	0.0178059	0.256709	0.0185247	0.242874	0.0177739	0.335113
0.25981	0.0170009	0.251136	0.0159116	0.241289	0.0109185	0.327719
0.256918	0.0205417	0.259195	0.0183691	0.235618	0.0149047	0.331958
0.253793	0.0196498	0.254895	0.0173708	0.239193	0.0161947	0.335915
0.257019	0.019751	0.257002	0.0136024	0.241215	0.00991097	0.330656
0.252662	0.0188534	0.259581	0.0184446	0.242797	0.00986263	0.334659
0.254022	0.0193541	0.256159	0.0163115	0.23685	0.014024	0.323421
0.258615	0.0182826	0.249937	0.0185203	0.239852	0.0116542	0.325123
0.248169	0.0179587	0.252428	0.0191627	0.237274	0.0156142	0.309492
0.248547	0.0173315	0.249043	0.018624	0.233996	0.0129199	0.321638
0.252594	0.0214461	0.249677	0.018005	0.233935	0.0160161	0.326289
0.257026	0.0181573	0.252301	0.0171399	0.229808	0.0118027	0.319769
0.246938	0.01977	0.24949	0.018858	0.23256	0.0108665	0.305782

0.247233	0.0189572	0.253578	0.02015	0.232992	0.0119223	0.313841
0.251283	0.0188273	0.254303	0.0184494	0.237569	0.0125443	0.302673
0.253949	0.0204754	0.251872	0.0175173	0.23309	0.0122934	0.311881
0.251024	0.0180801	0.250921	0.0129434	0.230535	0.0165905	0.309531
0.250638	0.0206616	0.256284	0.0200453	0.227447	0.0114636	0.318276
0.24842	0.0177291	0.25093	0.0167111	0.230494	0.0135953	0.309221
0.248078	0.0201888	0.249256	0.014967	0.232009	0.0105185	0.31135
0.245072	0.021382	0.249104	0.0189622	0.231216	0.0144359	0.320389
0.246583	0.0188218	0.248567	0.0196055	0.227687	0.0130605	0.316859
0.250689	0.0138213	0.24928	0.0152275	0.22827	0.0163027	0.304095
0.253925	0.0182461	0.244103	0.0212808	0.230039	0.0143527	0.316771
0.245077	0.0174209	0.249729	0.0148449	0.226066	0.0130365	0.305995
0.246931	0.0213814	0.249222	0.0162527	0.225548	0.0143107	0.316063
0.249779	0.0198636	0.239958	0.018313	0.228722	0.00963702	0.309687
0.255666	0.0205387	0.242053	0.0174349	0.230675	0.0145003	0.315254
0.250918	0.0175241	0.245141	0.0218096	0.228096	0.0149033	0.306365
0.245217	0.0187661	0.24736	0.0181951	0.225006	0.0113689	0.31909
0.244498	0.0197807	0.240479	0.0160237	0.223869	0.0124561	0.310816
0.245013	0.0212035	0.239783	0.0150053	0.221842	0.0146421	0.31096
0.245348	0.0216577	0.239509	0.0157455	0.220865	0.010363	0.307723
0.241634	0.017676	0.242724	0.0145197	0.228192	0.0129917	0.323991
0.246731	0.0208495	0.246638	0.017768	0.220105	0.0117048	0.312889
0.247196	0.0213043	0.23946	0.0170648	0.226677	0.0085934	0.313757
0.244297	0.0217774	0.241325	0.0183522	0.223923	0.0130422	0.323958
0.243253	0.0209588	0.239015	0.0162932	0.222874	0.0140699	0.320946
0.24023	0.0197353	0.240801	0.0139794	0.223047	0.0128332	0.318251
0.246558	0.0163443	0.24389	0.0191691	0.227514	0.0111752	0.311489
0.244721	0.0193173	0.241441	0.0167696	0.222959	0.0137755	0.318998
0.242825	0.0164349	0.245962	0.0166851	0.229751	0.0128231	0.309029
0.241185	0.0196896	0.240097	0.0165497	0.226562	0.0176553	0.313237
0.242918	0.0176806	0.246465	0.0170518	0.228166	0.0127141	0.316989
0.243438	0.0130118	0.243331	0.0190475	0.226343	0.0126649	0.309623
0.241478	0.0184988	0.238283	0.0163493	0.225768	0.0106195	0.325161
0.241188	0.0179706	0.244287	0.0173442	0.229309	0.0104908	0.319047
0.24426	0.0193528	0.243007	0.016279	0.224167	0.0134748	0.306999
0.245041	0.0206107	0.247024	0.0166146	0.229621	0.0131704	0.323818
0.238916	0.0192538	0.246012	0.0152845	0.233942	0.0154876	0.312928
0.238169	0.0168474	0.252852	0.0215979	0.234685	0.0126689	0.324029
0.245847	0.0213944	0.250318	0.0175329	0.231926	0.012808	0.323517
0.244371	0.019353	0.25203	0.0161387	0.236712	0.0114929	0.329103
0.245136	0.0221091	0.250576	0.0147274	0.235166	0.0158787	0.324428
0.243365	0.0190316	0.254492	0.0196384	0.239352	0.0137516	0.336575
0.243906	0.0151155	0.25379	0.0175235	0.237318	0.014859	0.333048
0.236897	0.0164737	0.255917	0.0205671	0.241722	0.0154185	0.334611
0.239821	0.0166612	0.254831	0.0215646	0.240685	0.0140956	0.350017
0.241067	0.0201339	0.249607	0.0143519	0.241218	0.0148036	0.335902
0.236623	0.0163735	0.256378	0.0187581	0.242351	0.0106048	0.325902

0.238258	0.0174438	0.255064	0.0199358	0.241341	0.0129963	0.326483
0.236096	0.0174141	0.253806	0.0248881	0.241948	0.0130385	0.330562
0.243527	0.0202658	0.258383	0.0172118	0.242545	0.014866	0.336719
0.235115	0.0248477	0.252601	0.0164026	0.248246	0.0101076	0.334478
0.240025	0.0201476	0.253388	0.0131723	0.246107	0.0131547	0.338109
0.238301	0.0167876	0.256048	0.0193946	0.250777	0.0128171	0.319648
0.239849	0.01664	0.258311	0.0141232	0.247431	0.0131083	0.34208
0.240216	0.0204838	0.260147	0.0201097	0.253413	0.0105149	0.333944
0.246191	0.0185599	0.263836	0.0191044	0.250032	0.0135433	0.326671
0.247733	0.0157628	0.259487	0.0158847	0.252223	0.0129857	0.332019
0.242771	0.0205872	0.260871	0.0186991	0.252298	0.0143453	0.343343
0.251116	0.0176693	0.262819	0.0202098	0.249627	0.0137455	0.329618
0.242566	0.0211194	0.270161	0.0183526	0.25412	0.0140129	0.341155
0.241041	0.0153999	0.260238	0.0192801	0.257667	0.016199	0.336944
0.245332	0.0193527	0.268572	0.0220231	0.25681	0.0158564	0.339102
0.249698	0.0209161	0.266673	0.0191169	0.261477	0.0124781	0.34365
0.246361	0.0187447	0.267656	0.0208556	0.257788	0.014514	0.3456
0.255628	0.0170824	0.265785	0.0213336	0.261365	0.0158476	0.346393
0.248338	0.0215798	0.266245	0.0210613	0.268302	0.0147805	0.341154
0.250683	0.0190933	0.274791	0.0252935	0.263527	0.018795	0.334057
0.251378	0.017501	0.271457	0.0202732	0.268973	0.0157109	0.354107
0.250708	0.0181034	0.275352	0.0191334	0.266185	0.0132741	0.336843
0.263537	0.0201218	0.26787	0.0245271	0.26971	0.0147169	0.35018
0.258382	0.0224865	0.267733	0.0196004	0.266688	0.0146543	0.344728
0.258724	0.0173847	0.268184	0.0234804	0.267068	0.0120918	0.351041
0.253556	0.0144528	0.26969	0.017459	0.265482	0.0125264	0.340079
0.256851	0.0160574	0.272632	0.0183165	0.260571	0.0130128	0.331753
0.261341	0.0136159	0.268195	0.0205682	0.26332	0.0141657	0.337056
0.263329	0.0173735	0.26556	0.0218682	0.262707	0.0159349	0.330528
0.259604	0.0187586	0.267707	0.0214511	0.258521	0.0112296	0.327129
0.265189	0.0166286	0.262487	0.018865	0.256265	0.0150678	0.316782
0.266129	0.0209993	0.259656	0.0222046	0.254925	0.0134471	0.333422
0.256983	0.0212161	0.259591	0.0166557	0.252805	0.0116476	0.328058
0.263538	0.0221196	0.257709	0.0265198	0.25351	0.0135655	0.319768
0.261732	0.0191258	0.257516	0.0196323	0.246149	0.0113043	0.327053
0.263179	0.0173206	0.255739	0.0195419	0.251416	0.0133039	0.316702
0.25676	0.0197114	0.257054	0.0167733	0.247845	0.012272	0.311872
0.261455	0.0213859	0.255497	0.0199886	0.239172	0.0115766	0.298045
0.267623	0.0200966	0.255124	0.0195213	0.241168	0.0106515	0.309436
0.262211	0.0183186	0.254615	0.0173472	0.240706	0.0126877	0.307795
0.259937	0.0206268	0.251867	0.0225492	0.243037	0.0104659	0.314546
0.260841	0.0194416	0.25302	0.0170564	0.238423	0.0141793	0.303471
0.256609	0.022605	0.247917	0.0168012	0.233707	0.0164485	0.308355
0.255887	0.0183815	0.250714	0.0199517	0.236393	0.0139696	0.303482
0.256306	0.0210167	0.249856	0.0166009	0.233377	0.0136561	0.292654
0.264449	0.0219444	0.252335	0.0123594	0.237451	0.0116811	0.311322
0.257322	0.0206406	0.2513	0.0165841	0.237987	0.0126542	0.307467



0.253595	0.0208055	0.249536	0.0167244	0.235949	0.0145444	0.299223
0.255076	0.017184	0.254759	0.0205105	0.237248	0.012908	0.309331
0.253853	0.0218653	0.257525	0.0154323	0.236615	0.00991837	0.298056
0.256118	0.0196864	0.256507	0.020142	0.241656	0.0139047	0.291896
0.256559	0.0199679	0.257268	0.0178659	0.239308	0.0163823	0.303195
0.253577	0.0193584	0.255553	0.0180463	0.244697	0.0146415	0.310598
0.259815	0.0197162	0.256795	0.0177784	0.240976	0.0134199	0.300678
0.258973	0.0180138	0.25925	0.0189469	0.247129	0.0129592	0.311644
0.255449	0.0201288	0.258986	0.0219466	0.245406	0.0119765	0.305946
0.254879	0.0157095	0.256075	0.0148886	0.247387	0.0175978	0.303451
0.261572	0.0169001	0.256075	0.0202035	0.242464	0.0150191	0.309253
0.253651	0.0135474	0.258635	0.0192246	0.245912	0.0149196	0.307295
0.25704	0.0152767	0.256115	0.0153183	0.246749	0.0142435	0.313538
0.256059	0.0157284	0.260923	0.0188947	0.247973	0.010754	0.318148
0.25869	0.0208011	0.265182	0.0205123	0.246762	0.0115915	0.31732
0.257611	0.0234462	0.260926	0.0221442	0.247753	0.0151198	0.312263
0.259557	0.0152981	0.261877	0.011037	0.251967	0.011825	0.312608
0.265486	0.0175017	0.260859	0.0208183	0.253035	0.012847	0.303665
0.259496	0.0186388	0.25995	0.0165057	0.252773	0.0157579	0.30616
0.268564	0.0170582	0.262575	0.0191238	0.251524	0.0105994	0.303651
0.264503	0.01785	0.266499	0.0168837	0.257151	0.0158074	0.309745
0.269809	0.0210246	0.266911	0.0175426	0.24949	0.0143336	0.31594
0.27401	0.0193395	0.264232	0.0196532	0.255878	0.0129313	0.31094
0.268753	0.0165677	0.268831	0.0151321	0.257619	0.0141202	0.31066
0.264448	0.0184198	0.274288	0.0172473	0.253901	0.0157259	0.316517
0.27084	0.0181668	0.271761	0.0153745	0.259944	0.0136107	0.310459
0.26634	0.0201062	0.27472	0.0171145	0.263356	0.0130558	0.315395
0.269314	0.0249999	0.276043	0.0217503	0.261851	0.012495	0.300027
0.27931	0.0208432	0.275298	0.0194158	0.265964	0.0165959	0.325597
0.274173	0.0178583	0.27659	0.0215965	0.262218	0.0148951	0.318926
0.275497	0.0168754	0.279104	0.0213919	0.266599	0.0131159	0.319211
0.274046	0.0199992	0.27651	0.0134142	0.269312	0.0108876	0.331506
0.274229	0.0150713	0.285527	0.0182795	0.269264	0.0158174	0.318617
0.282176	0.0217481	0.287448	0.0195663	0.273643	0.0114633	0.329573
0.277188	0.0182436	0.288939	0.0200272	0.278145	0.0145442	0.329574
0.283395	0.029438	0.290449	0.0193032	0.278011	0.0139262	0.327839
0.293447	0.02147	0.293782	0.0192664	0.284767	0.0118785	0.333681
0.291957	0.0242524	0.295712	0.0223447	0.282282	0.011905	0.325146
0.288238	0.0201036	0.300121	0.0206755	0.285985	0.0137477	0.342654
0.297085	0.0198579	0.303414	0.0194929	0.281008	0.0175788	0.338996
0.292414	0.0222423	0.304867	0.0205022	0.292217	0.0148348	0.346029
0.298343	0.0215823	0.307159	0.0182492	0.303584	0.0158216	0.346311
0.302435	0.0193748	0.311678	0.0165537	0.2971	0.0128455	0.351917
0.305318	0.0186204	0.31077	0.0210675	0.302513	0.0149744	0.345724
0.307052	0.0172961	0.312151	0.0202877	0.307319	0.018011	0.344396
0.315578	0.0246177	0.32455	0.0162842	0.311035	0.0104974	0.355931
0.309535	0.0160914	0.324464	0.0193158	0.313614	0.0129968	0.365586

0.3195	0.0205146	0.328647	0.019343	0.319728	0.0146505	0.344061
0.327723	0.0227885	0.334587	0.017437	0.327856	0.0139217	0.3666
0.325154	0.0228474	0.341166	0.0193546	0.326911	0.0145971	0.368865
0.337107	0.02517	0.334387	0.0219895	0.334797	0.0148965	0.3727
0.340481	0.0240806	0.344126	0.0169604	0.341305	0.0153693	0.36944
0.344691	0.0226591	0.351596	0.0253277	0.343831	0.0155535	0.37076
0.345723	0.0215362	0.362356	0.0202448	0.359843	0.0161063	0.392019
0.351097	0.0225799	0.368949	0.021168	0.358847	0.0241575	0.389321
0.359662	0.0228517	0.376103	0.0249576	0.374329	0.0184786	0.391758
0.373022	0.0228105	0.373629	0.0168554	0.378843	0.016309	0.382292
0.382661	0.0192277	0.3821	0.0190488	0.382375	0.016032	0.390263
0.384454	0.0237667	0.393662	0.0270993	0.391795	0.0131222	0.405344
0.401172	0.0299731	0.399597	0.018787	0.401832	0.0208458	0.415503
0.409669	0.0193708	0.412057	0.0225585	0.417209	0.0177888	0.440509
0.427833	0.0221403	0.425042	0.0268172	0.427746	0.0202967	0.433404
0.423884	0.0196037	0.425175	0.0218068	0.434242	0.0217048	0.430772
0.431286	0.0274319	0.431904	0.0230492	0.453694	0.018051	0.437694
0.43932	0.0374163	0.451444	0.0257424	0.458096	0.018933	0.448171
0.460301	0.0220143	0.45954	0.0195778	0.47171	0.020557	0.448803
0.467498	0.0226374	0.465541	0.0195421	0.48069	0.0235713	0.46984
0.485763	0.0245541	0.486913	0.0247774	0.503254	0.0207355	0.478013
0.501215	0.0206865	0.496331	0.0241229	0.509344	0.0199169	0.491279
0.517999	0.022964	0.505245	0.0237538	0.528877	0.018907	0.500347
0.525829	0.0304329	0.524045	0.0227386	0.543634	0.0200675	0.510165
0.539617	0.0311932	0.542483	0.0245725	0.562452	0.0222842	0.50458
0.554711	0.0293446	0.558073	0.0225456	0.570826	0.0165235	0.514434
0.563485	0.0282601	0.558459	0.024943	0.591267	0.0208055	0.551466
0.584863	0.0374057	0.591097	0.0265439	0.605661	0.0253969	0.53799
0.597974	0.0312914	0.594685	0.0303151	0.622564	0.0239715	0.541721
0.621668	0.0234541	0.617288	0.0175908	0.643001	0.0265125	0.579883
0.630266	0.0262221	0.639387	0.0212707	0.654574	0.0264548	0.58198
0.651383	0.0262129	0.644425	0.0286708	0.672716	0.0202292	0.598639
0.664579	0.0329937	0.665703	0.0228046	0.692206	0.0166971	0.596296
0.679424	0.0293892	0.6803	0.0306381	0.707317	0.0206571	0.620647
0.702803	0.037263	0.695472	0.0302066	0.721745	0.0240791	0.637122
0.717543	0.0302581	0.701715	0.0266521	0.74038	0.0260881	0.648112
0.738762	0.0269172	0.728148	0.0363027	0.752107	0.0212028	0.651535
0.750317	0.0294285	0.746214	0.0210226	0.782806	0.0221272	0.666351
0.76257	0.0321664	0.76443	0.0286046	0.788835	0.0300879	0.679241
0.785038	0.0280653	0.775273	0.0301175	0.817467	0.0256139	0.689324
0.792314	0.0317504	0.793387	0.0265463	0.827224	0.0255009	0.695261
0.809248	0.0408336	0.804558	0.0303222	0.841719	0.0309188	0.724238
0.821245	0.0360119	0.81668	0.0244764	0.855422	0.0270313	0.723409
0.838519	0.0383004	0.838846	0.0303673	0.863762	0.0292946	0.74356
0.850703	0.0372058	0.843953	0.0305898	0.879883	0.0303741	0.739605
0.876087	0.0366784	0.859676	0.027155	0.894282	0.021986	0.742947
0.881935	0.0355927	0.874343	0.0254948	0.911158	0.0306164	0.766735

0.901103	0.0318896	0.894189	0.0379775	0.917468	0.024621	0.774827
0.89541	0.0478576	0.897684	0.0394417	0.927549	0.0216385	0.773016
0.916155	0.0409685	0.90525	0.0284221	0.935135	0.0267759	0.795449
0.914801	0.0343062	0.921731	0.0401188	0.930089	0.0282339	0.795953
0.927805	0.0376201	0.92676	0.0311428	0.951941	0.0291146	0.824272
0.933855	0.0371549	0.926131	0.0401681	0.961426	0.027854	0.826801
0.944003	0.0326804	0.940907	0.0338074	0.959757	0.029191	0.829475
0.940753	0.0308843	0.939835	0.0305851	0.967559	0.0199547	0.832529
0.946405	0.0362133	0.948476	0.0369252	0.963502	0.0236022	0.85217
0.95059	0.0333961	0.952949	0.036814	0.96873	0.0244649	0.845742
0.946407	0.0356351	0.956301	0.0311772	0.967145	0.0250172	0.850407
0.951156	0.0344957	0.948333	0.0406847	0.953022	0.0319778	0.868806
0.949571	0.0386788	0.965795	0.0272638	0.9638	0.0262456	0.881659
0.96223	0.0307557	0.956302	0.0336316	0.955216	0.0288643	0.873993
0.934966	0.0353849	0.953957	0.0332246	0.949406	0.0272166	0.878795
0.938129	0.0375357	0.950893	0.0328395	0.951729	0.0271549	0.889599
0.929999	0.0445537	0.941494	0.0276489	0.934739	0.0272295	0.884116
0.93228	0.0345616	0.933506	0.0318147	0.934796	0.0283444	0.891177
0.922845	0.0465651	0.930504	0.0297254	0.922923	0.0307706	0.900298
0.904975	0.0380633	0.92206	0.033863	0.908957	0.0273958	0.905223
0.910688	0.0389107	0.910546	0.0351635	0.895107	0.0279129	0.90233
0.883186	0.0409587	0.898423	0.0341396	0.876041	0.0271332	0.91527
0.867318	0.0472885	0.886075	0.0313758	0.864285	0.027928	0.892902
0.877362	0.0377859	0.885484	0.0323233	0.860319	0.0302198	0.907426
0.849909	0.0402789	0.867651	0.0339184	0.844861	0.0236658	0.902206
0.840253	0.0356852	0.850575	0.0301315	0.820688	0.0277322	0.891177
0.841596	0.0378234	0.844478	0.0387539	0.802419	0.021734	0.894094
0.816361	0.0312058	0.825184	0.0297723	0.793972	0.0267491	0.910327
0.795635	0.0394129	0.810516	0.0285787	0.771204	0.0260231	0.879467
0.787729	0.0297737	0.803445	0.0251958	0.755328	0.0261474	0.867001
0.761763	0.035504	0.776573	0.0299291	0.740027	0.0235432	0.871759
0.740243	0.0424939	0.773373	0.0290228	0.719495	0.024949	0.861737
0.727485	0.0338681	0.743431	0.0304555	0.706509	0.0259197	0.850744
0.714827	0.0376142	0.728435	0.024645	0.682654	0.0218836	0.819658
0.692815	0.0308686	0.706083	0.0290139	0.659962	0.017507	0.836369
0.679532	0.0350642	0.694365	0.0251753	0.649345	0.0223821	0.813577
0.665615	0.0308921	0.673586	0.0253742	0.629123	0.0238431	0.808563
0.652341	0.0393036	0.655165	0.0225838	0.610157	0.0277509	0.788899
0.623003	0.0272862	0.642017	0.0277181	0.59974	0.0242178	0.76045
0.606887	0.0294067	0.631687	0.0200558	0.578914	0.0219269	0.740352
0.595097	0.0231564	0.597062	0.0249929	0.56302	0.0222141	0.705057
0.584111	0.0269978	0.579906	0.0297153	0.541777	0.0228326	0.697487
0.55871	0.0229015	0.574755	0.0213591	0.527519	0.0189671	0.66689
0.552983	0.026084	0.556904	0.0259151	0.507079	0.0241988	0.648434
0.527301	0.03269	0.540366	0.0276016	0.496136	0.0177872	0.62875
0.511796	0.0218702	0.526021	0.0266893	0.472435	0.0196936	0.622544
0.499199	0.024619	0.514344	0.0279486	0.468209	0.0232798	0.588399

0.483743	0.025518	0.494356	0.0270112	0.454205	0.0187359	0.574432
0.4725	0.027152	0.48496	0.0227396	0.437126	0.0194244	0.558717
0.45968	0.0233471	0.476734	0.020807	0.424165	0.0167827	0.53179
0.440072	0.0213094	0.453007	0.0285272	0.411657	0.0183361	0.52463
0.429148	0.0217406	0.440991	0.0234478	0.395801	0.0148318	0.495064
0.424296	0.0284059	0.43437	0.0201006	0.392233	0.0123143	0.484339
0.41029	0.025059	0.422172	0.017471	0.378769	0.0170953	0.475085
0.398369	0.0234502	0.409621	0.0267353	0.365347	0.0161878	0.447431
0.38978	0.025594	0.394251	0.0199	0.357783	0.0168658	0.442534
0.382655	0.021233	0.389489	0.0199475	0.345334	0.0157748	0.434324
0.365665	0.0218366	0.380105	0.0238093	0.338486	0.016373	0.412674
0.352491	0.0212516	0.369911	0.0209516	0.329135	0.0144613	0.407943
0.349241	0.0195367	0.357356	0.0226074	0.324084	0.0183182	0.413909
0.343536	0.0227338	0.349036	0.0165927	0.316217	0.016353	0.398871
0.331035	0.0167502	0.341579	0.0234899	0.308416	0.0133923	0.371687
0.324078	0.0231953	0.333537	0.0181249	0.297677	0.0134822	0.37356
0.317946	0.017791	0.327593	0.0194635	0.298884	0.0150595	0.369481
0.310056	0.0192998	0.314819	0.0198322	0.284394	0.0132749	0.350979
0.301954	0.0207472	0.316047	0.0199201	0.284192	0.0159167	0.358251
0.303676	0.0238232	0.298715	0.0162566	0.272769	0.0142717	0.35808
0.294041	0.0178128	0.290498	0.0191574	0.267813	0.0147484	0.340242
0.286996	0.019739	0.284665	0.01742	0.267649	0.0116553	0.340812
0.279818	0.0207907	0.283053	0.0145006	0.263085	0.01183	0.328661
0.281401	0.0227153	0.279885	0.014526	0.257159	0.012118	0.331536
0.270529	0.0246204	0.273956	0.0223633	0.254094	0.0144669	0.312722
0.256943	0.0173768	0.270118	0.0234124	0.248718	0.0125288	0.307532
0.258185	0.0232346	0.263855	0.0149604	0.243831	0.0148843	0.320321
0.256905	0.0208102	0.261307	0.0167382	0.24132	0.0102792	0.301661
0.25036	0.021373	0.25119	0.0174653	0.240327	0.0117913	0.30079
0.248073	0.018938	0.247881	0.015279	0.226652	0.0080209	0.308737
0.239229	0.0160789	0.24268	0.0171696	0.228584	0.0139423	0.291798
0.238353	0.0185316	0.239642	0.0169694	0.223156	0.0135666	0.298016
0.231503	0.0213584	0.23095	0.018758	0.220553	0.0108394	0.290064
0.22582	0.0197257	0.229886	0.0124592	0.21909	0.0145042	0.294277
0.226466	0.0180866	0.229556	0.0165456	0.215285	0.0140299	0.281975
0.21989	0.0179634	0.220429	0.0214143	0.20883	0.011679	0.274241
0.214064	0.013042	0.217865	0.0140195	0.211607	0.014491	0.282741
0.216541	0.0221379	0.218872	0.0157955	0.203375	0.0118938	0.284983
0.211227	0.0181608	0.211248	0.0172965	0.20253	0.0122299	0.270667
0.204811	0.0179078	0.212339	0.0122309	0.200249	0.0132644	0.289946
0.201039	0.0151144	0.207178	0.0151919	0.196024	0.0137027	0.289967
0.202518	0.0159277	0.201294	0.0145458	0.190694	0.0128149	0.281494
0.194279	0.0164434	0.198961	0.0184978	0.187399	0.0106001	0.294852
0.197835	0.0154831	0.197373	0.0135829	0.183807	0.0106938	0.277735
0.195647	0.0125549	0.196577	0.017063	0.184258	0.0107909	0.290293
0.185034	0.0187747	0.190536	0.0153441	0.182349	0.00899204	0.28485
0.182264	0.0164126	0.188772	0.0137414	0.176579	0.0108333	0.288522

0.184546	0.0162756	0.186398	0.0137703	0.180187	0.0119627	0.289413
0.176161	0.0133583	0.185369	0.0176812	0.178047	0.0129813	0.282079
0.178668	0.0176569	0.18535	0.0176004	0.176437	0.0107589	0.299605
0.178399	0.0156962	0.189512	0.0115211	0.175167	0.00855991	0.296005
0.175592	0.0150016	0.194854	0.0164561	0.171708	0.0128839	0.296044
0.171834	0.0170267	0.192042	0.0159669	0.173535	0.0101539	0.300791
0.172957	0.0152562	0.200598	0.0155887	0.17028	0.0109145	0.304163
0.16968	0.0177297	0.198472	0.0159787	0.174616	0.0143748	0.310073
0.170593	0.0152035	0.199134	0.019688	0.174707	0.011485	0.320992
0.176077	0.0158216	0.211422	0.0137863	0.181251	0.0124467	0.330293
0.168323	0.0166852	0.215727	0.0204123	0.180838	0.0101474	0.339803
0.172568	0.0117677	0.226831	0.0256388	0.189136	0.00945993	0.353321
0.173641	0.0113944	0.236468	0.0214887	0.192334	0.0100439	0.379948
0.18346	0.0130802	0.246516	0.0231266	0.203912	0.0145602	0.385529
0.185565	0.0207585	0.255307	0.0270988	0.206801	0.009867	0.404385
0.185791	0.014251	0.27826	0.0214218	0.218899	0.0132573	0.433588
0.193425	0.0125441	0.289123	0.0219221	0.225116	0.0153914	0.462164
0.201144	0.0149717	0.311595	0.0286566	0.240791	0.0152889	0.498664
0.207621	0.016598	0.333205	0.036909	0.249073	0.0134413	0.526158
0.22018	0.0165287	0.349694	0.0325025	0.263	0.01866	0.55789
0.232894	0.0163789	0.370307	0.0373491	0.277202	0.0175174	0.600128
0.252947	0.0216025	0.401829	0.0397664	0.295493	0.0121085	0.64042
0.260909	0.0170744	0.419372	0.0440708	0.307301	0.0184157	0.708125
0.283519	0.0149221	0.445215	0.0440767	0.326556	0.0141577	0.738874
0.296743	0.0211051	0.461542	0.0524005	0.336524	0.021419	0.776923
0.318113	0.0213555	0.485675	0.0568858	0.357804	0.0157467	0.842352
0.339535	0.0215182	0.512192	0.0564348	0.376902	0.0195132	0.872137
0.364699	0.0174984	0.530558	0.0588019	0.392693	0.018354	0.914993
0.385029	0.0224131	0.552928	0.0620198	0.41471	0.0209146	0.956749
0.413086	0.02279	0.57377	0.0709712	0.425071	0.0187971	1.01615
0.430027	0.0232263	0.600875	0.061017	0.43768	0.024792	1.07953
0.459782	0.0274964	0.625932	0.0704187	0.456084	0.0206363	1.09864
0.487285	0.0283681	0.637022	0.0740886	0.471954	0.0240183	1.13166
0.51823	0.0222783	0.645604	0.0652037	0.482551	0.0231195	1.19049
0.524127	0.021622	0.671366	0.0737202	0.494653	0.017657	1.20697
0.549737	0.0294006	0.679182	0.0843268	0.499058	0.0191195	1.25253
0.58469	0.0302703	0.693704	0.0762112	0.519804	0.0180128	1.2656
0.601346	0.034337	0.693299	0.0817989	0.523865	0.0205641	1.31298
0.614706	0.0314508	0.689641	0.0715775	0.530098	0.0210934	1.28799
0.638468	0.035929	0.687451	0.0746154	0.528843	0.0209327	1.29374
0.655274	0.0293698	0.694993	0.0917725	0.531904	0.0172651	1.32219
0.675482	0.0419135	0.677514	0.0641346	0.526589	0.02202	1.27718
0.688909	0.0401016	0.671481	0.076633	0.525173	0.0181738	1.28363
0.682992	0.0326616	0.670008	0.0746842	0.515504	0.0255059	1.26805
0.69623	0.0283086	0.635146	0.0639704	0.499653	0.0235768	1.23331
0.697505	0.0363935	0.613488	0.0685828	0.491009	0.0232158	1.18864
0.696156	0.033383	0.587578	0.0653042	0.479914	0.0171441	1.16398

0.705591	0.0330066	0.56221	0.0566241	0.466791	0.0232728	1.09986
0.684975	0.0376951	0.539551	0.0656734	0.444417	0.0267321	1.04062
0.679611	0.0293509	0.512363	0.0589665	0.41812	0.0209443	1.00589
0.666364	0.0345181	0.472536	0.0539325	0.397403	0.0160808	0.937743
0.649087	0.030015	0.436814	0.0518452	0.379754	0.0161136	0.892747
0.622488	0.038419	0.405946	0.0485934	0.352435	0.0168641	0.807136
0.597601	0.0355082	0.380926	0.0433355	0.328061	0.0151431	0.753108
0.570857	0.0287481	0.350903	0.0371334	0.311098	0.0145673	0.699886
0.543768	0.0275989	0.313946	0.0325805	0.282099	0.0167015	0.651188
0.517087	0.0298766	0.294427	0.0368234	0.265727	0.0148407	0.581909
0.485464	0.0242198	0.268049	0.0349519	0.239611	0.0115253	0.524715
0.453349	0.0260756	0.24503	0.0271148	0.223408	0.0146582	0.460552
0.410406	0.0244614	0.229076	0.0276106	0.211032	0.013924	0.431263
0.38467	0.0239561	0.204773	0.0259694	0.191978	0.0102878	0.398806
0.352581	0.0220554	0.187881	0.0159819	0.180399	0.0117804	0.354746
0.324813	0.026543	0.180295	0.0254973	0.170258	0.0112147	0.31477
0.297898	0.0189259	0.167797	0.0160554	0.158761	0.0107385	0.296285
0.274267	0.0207864	0.157847	0.0181694	0.148132	0.008828	0.266233
0.248251	0.0183081	0.144992	0.0148585	0.139917	0.0100364	0.251682
0.227485	0.0153563	0.139349	0.0153584	0.137897	0.00750698	0.240008
0.208268	0.0166217	0.134025	0.0140838	0.129973	0.0097802	0.226888
0.193768	0.016054	0.127988	0.0124497	0.125196	0.00928703	0.213403
0.176482	0.01787	0.126993	0.0118024	0.119386	0.00911401	0.201708
0.16936	0.015722	0.12502	0.0139651	0.120359	0.0113471	0.189462
0.1562	0.0153729	0.122477	0.0115524	0.121071	0.00768478	0.191041
0.143865	0.0142472	0.116421	0.0107779	0.116245	0.00964147	0.181853
0.141479	0.0129628	0.113045	0.0117456	0.11227	0.00950028	0.1787
0.136995	0.0128425	0.119499	0.0134584	0.112786	0.00899454	0.169678
0.128589	0.010756	0.117738	0.0124982	0.11224	0.00985398	0.179615
0.127038	0.0154334	0.114644	0.0104714	0.111676	0.0112589	0.166976
0.121689	0.0136291	0.11949	0.0123551	0.112859	0.00898895	0.162673
0.11865	0.0121283	0.115628	0.0123007	0.111511	0.00853906	0.162909
0.117497	0.0121142	0.111161	0.0115936	0.109335	0.0105326	0.161114
0.119976	0.0131515	0.114557	0.012062	0.111073	0.00761779	0.156315
0.116757	0.0103795	0.11537	0.0143539	0.110709	0.00820042	0.149447
0.11976	0.0133118	0.113759	0.0126852	0.111451	0.00908741	0.159289
0.116324	0.012109	0.115878	0.0161959	0.112363	0.0106027	0.161113
0.11407	0.0134326	0.117864	0.0095703	0.112533	0.0097241	0.151005
0.118929	0.013987	0.117962	0.0130394	0.115973	0.00742504	0.155367
0.112528	0.0142674	0.118699	0.0147603	0.111351	0.00801164	0.151179
0.115467	0.0116095	0.116455	0.013001	0.112465	0.00626227	0.15099
0.115997	0.0127482	0.117199	0.00999868	0.115852	0.00920016	0.148608
0.117921	0.0142658	0.118403	0.0126529	0.116381	0.00747057	0.153271
0.116065	0.0112226	0.116911	0.0116672	0.114499	0.00825664	0.148804
0.11707	0.0112436	0.115186	0.0130972	0.116902	0.00834933	0.155221
0.121072	0.0121146	0.116236	0.0130681	0.116792	0.0107288	0.149554
0.116314	0.0135722	0.121118	0.0126381	0.11669	0.00833264	0.15104

0.119483	0.0134712	0.119406	0.0114989	0.118334	0.00799637	0.142269
0.127106	0.0139928	0.121059	0.0129529	0.120062	0.00855003	0.147912
0.119163	0.0141353	0.12556	0.0107001	0.119952	0.00805147	0.150607
0.125174	0.0118564	0.12268	0.0149585	0.120696	0.00893863	0.150098
0.124137	0.0147327	0.125319	0.0117904	0.121825	0.00992392	0.145599
0.126827	0.0142199	0.131911	0.013575	0.125968	0.0104449	0.149271
0.126994	0.0133714	0.128954	0.011646	0.127894	0.0111466	0.146207
0.129578	0.0153655	0.133899	0.0150805	0.127585	0.00892522	0.154732
0.131812	0.0117325	0.134126	0.0119092	0.126093	0.0106256	0.154176
0.132591	0.0149199	0.131537	0.0109294	0.129879	0.0106193	0.150355
0.128748	0.0141268	0.134457	0.0119196	0.13128	0.00853928	0.15331
0.133345	0.0133648	0.134958	0.0152801	0.133015	0.00898211	0.15843
0.136582	0.0133202	0.134534	0.011851	0.135017	0.0108925	0.154184
0.138386	0.0169455	0.135285	0.0145822	0.137144	0.0117821	0.153067
0.140049	0.0116715	0.140407	0.0121281	0.140074	0.00954814	0.152042
0.138681	0.0105405	0.137638	0.0101792	0.138872	0.00956613	0.155261
0.138787	0.0148804	0.14438	0.0143844	0.141546	0.00976785	0.158635
0.145747	0.0142234	0.144458	0.0119797	0.13917	0.00978675	0.159652
0.147458	0.014226	0.142396	0.0120494	0.144723	0.00937127	0.15631
0.144941	0.0126385	0.144791	0.0128454	0.143478	0.00857167	0.160901
0.145555	0.0158219	0.149694	0.0151822	0.148972	0.00836343	0.156739
0.151266	0.0173448	0.15198	0.0140668	0.147402	0.0101437	0.160881
0.15358	0.0149336	0.15065	0.0122329	0.149141	0.0121304	0.171541
0.155817	0.0162382	0.153143	0.0120528	0.15354	0.0120383	0.161166
0.155209	0.0138266	0.157278	0.0132148	0.154635	0.0114896	0.163658
0.157689	0.0142665	0.155228	0.0141783	0.154523	0.00981945	0.160297
0.155235	0.0143532	0.160557	0.0119961	0.158626	0.0119239	0.165805
0.158778	0.0152725	0.156118	0.0134256	0.160641	0.00787009	0.172904

	SB Ru		SB Rc		SB Rb	
std	mean	std	mean	std	mean	std
0.160022	0.414779	0.0396361	0.246999	0.0355575	0.219046	0.0237054
0.16577	0.41935	0.0391818	0.251183	0.0463229	0.225464	0.0283012
0.206033	0.419251	0.0398095	0.245345	0.0365502	0.221423	0.0219308
0.171586	0.413871	0.0383521	0.240785	0.0426016	0.224599	0.0212836
0.184532	0.410389	0.0365561	0.24347	0.0388571	0.220209	0.0197176
0.148431	0.412056	0.0378681	0.243633	0.0405405	0.22251	0.0259831
0.193611	0.40759	0.0379245	0.237773	0.0406711	0.221521	0.0184433
0.168888	0.401381	0.0338912	0.240675	0.038309	0.225026	0.0203709
0.176389	0.406426	0.0372156	0.238894	0.0358067	0.218111	0.0201055
0.172527	0.397683	0.0326627	0.239532	0.0384017	0.220209	0.02481
0.190425	0.405531	0.0430814	0.233267	0.0429858	0.219208	0.0241948
0.161995	0.403367	0.0388538	0.23921	0.0430773	0.213844	0.0229495
0.162602	0.395222	0.0368999	0.236391	0.0400993	0.216479	0.0237501
0.186156	0.398615	0.0313438	0.236967	0.0424654	0.217257	0.019222
0.186654	0.402177	0.0366532	0.23957	0.0386176	0.21929	0.0234442
0.194399	0.408318	0.0342755	0.241328	0.0416089	0.216931	0.0225813
0.187099	0.419174	0.0373018	0.237714	0.0439192	0.219767	0.0292699
0.16485	0.430185	0.0332631	0.245069	0.0426619	0.223269	0.0236013
0.179337	0.447275	0.036634	0.243699	0.0383746	0.228212	0.0186804
0.159489	0.480381	0.0358655	0.245426	0.0437852	0.237251	0.0235309
0.165406	0.50984	0.0422821	0.247269	0.04035	0.243977	0.025029
0.197574	0.537378	0.0449791	0.258171	0.0456306	0.249737	0.0264067
0.185353	0.561891	0.0495212	0.262633	0.0449508	0.255356	0.0313032
0.17414	0.589192	0.0498859	0.263091	0.0436256	0.266288	0.0261491
0.163043	0.602898	0.0550131	0.268014	0.0404423	0.269325	0.0296341
0.162079	0.605333	0.0491874	0.270719	0.0487615	0.275542	0.0308929
0.15601	0.599334	0.046535	0.266128	0.0443956	0.274284	0.0255819
0.174494	0.574484	0.0504109	0.263813	0.0455	0.266597	0.0253243
0.164734	0.54204	0.0469827	0.262365	0.0438652	0.260685	0.0319286
0.182823	0.506494	0.0355557	0.258535	0.0445171	0.258395	0.0253376
0.179726	0.479336	0.0412564	0.251627	0.0416743	0.247983	0.0326018
0.169899	0.450696	0.0360121	0.248331	0.0431184	0.246854	0.0280415
0.17532	0.428913	0.0299521	0.246648	0.0446053	0.245079	0.0270135
0.185129	0.422042	0.03451	0.243389	0.0452872	0.241654	0.0269365
0.189456	0.408039	0.0293579	0.24687	0.0444906	0.249726	0.0271943
0.18209	0.407933	0.0322783	0.245801	0.0443404	0.259872	0.0301359
0.195429	0.414621	0.0396938	0.250566	0.0412233	0.277791	0.0341378
0.169443	0.438689	0.0397684	0.257073	0.0460656	0.301789	0.0353424
0.179955	0.476361	0.0406175	0.275119	0.0471082	0.352458	0.0434241
0.202413	0.522055	0.0507679	0.292417	0.0489617	0.4366	0.0493406
0.203411	0.599969	0.0748351	0.330233	0.0570488	0.561215	0.0732286
0.24186	0.698031	0.0917319	0.374297	0.0717831	0.742332	0.0866274
0.303656	0.836977	0.121366	0.433196	0.0907014	0.98571	0.134976
0.31926	0.990951	0.141433	0.502639	0.110434	1.25159	0.182546
0.394536	1.14341	0.178969	0.587764	0.140717	1.56761	0.222819



0.420632	1.28568	0.226073	0.667085	0.157056	1.86813	0.256165
0.520988	1.40252	0.249954	0.742437	0.175464	2.14262	0.289038
0.554873	1.48735	0.274139	0.79659	0.191581	2.34299	0.328902
0.602498	1.50518	0.280148	0.822916	0.205557	2.45027	0.350094
0.604933	1.46969	0.275106	0.823344	0.201074	2.43444	0.342894
0.573879	1.38364	0.24771	0.796944	0.196706	2.29733	0.319785
0.525416	1.25249	0.205545	0.739779	0.183993	2.07287	0.280669
0.462485	1.12347	0.17336	0.678028	0.160496	1.8072	0.247623
0.391206	0.99204	0.14253	0.605555	0.142253	1.52015	0.197365
0.336138	0.870748	0.117453	0.527486	0.113274	1.22294	0.149434
0.306971	0.782109	0.0910478	0.466042	0.0956164	0.980306	0.132817
0.286734	0.72466	0.078848	0.419074	0.0818846	0.783347	0.108273
0.238991	0.709886	0.0653528	0.390516	0.0716093	0.640875	0.0836078
0.194521	0.738804	0.0686709	0.377867	0.0725376	0.559247	0.0646695
0.190783	0.853126	0.0828101	0.382455	0.070806	0.521708	0.0562581
0.217264	1.10376	0.129987	0.414189	0.0756218	0.554832	0.0652626
0.203042	1.55542	0.209171	0.500352	0.10054	0.677424	0.086533
0.253781	2.34215	0.345329	0.66796	0.135826	0.923079	0.119677
0.317715	3.64376	0.572464	0.937576	0.199493	1.34633	0.184922
0.383592	5.62537	0.926661	1.37171	0.313344	2.04834	0.280934
0.542937	8.44253	1.40865	2.01437	0.450914	3.06845	0.447785
0.750873	12.2101	2.04905	2.92299	0.661356	4.50316	0.660096
1.06537	16.8529	2.87702	4.131	0.950293	6.36087	0.935287
1.38095	22.1276	3.79694	5.59828	1.30941	8.61156	1.2528
1.78915	27.6748	4.74677	7.25256	1.70152	11.1332	1.63472
2.17842	32.803	5.67446	8.93467	2.13338	13.7215	2.0616
2.53349	36.8195	6.43405	10.4855	2.51131	15.9906	2.38812
2.90862	39.2923	6.87822	11.7283	2.79938	17.711	2.6499
3.05502	39.784	6.93486	12.4307	2.97403	18.6586	2.72887
3.02898	38.2154	6.61746	12.5689	3.00386	18.7991	2.77821
2.94936	34.884	6.02732	12.1025	2.89787	17.9197	2.65871
2.73256	30.31	5.26192	11.0648	2.64949	16.2397	2.39585
2.43959	25.0975	4.37385	9.63293	2.29325	14.0038	2.06507
2.08148	19.9156	3.4448	8.01363	1.91122	11.6049	1.70604
1.69195	15.2515	2.60462	6.41742	1.51561	9.18915	1.3531
1.3427	11.3054	1.90058	4.96812	1.18166	7.02319	1.03108
1.01744	8.21728	1.34788	3.73584	0.872079	5.20804	0.758673
0.81116	5.97628	0.958682	2.79073	0.639089	3.78015	0.571447
0.640996	4.35746	0.684798	2.07037	0.456461	2.73882	0.392251
0.500362	3.18835	0.486381	1.54169	0.334216	1.99315	0.292056
0.396618	2.35431	0.334799	1.15663	0.247063	1.44732	0.204247
0.304363	1.71533	0.229184	0.891641	0.187674	1.06649	0.151268
0.270885	1.2448	0.163976	0.711917	0.145544	0.810432	0.110011
0.238037	0.899874	0.113025	0.575207	0.109165	0.616842	0.0809196
0.227721	0.67836	0.0847103	0.462546	0.0813608	0.480845	0.0573667
0.200637	0.553018	0.0745453	0.394225	0.0726806	0.374114	0.048181
0.202568	0.519776	0.0460902	0.335109	0.0618823	0.301669	0.0419586

0.201751	0.564538	0.0558998	0.308778	0.059213	0.251713	0.0314285
0.178575	0.652739	0.0792542	0.296745	0.0584095	0.221957	0.0219746
0.154082	0.748911	0.0692138	0.290096	0.0541415	0.196997	0.0230328
0.160857	0.836583	0.0823285	0.289686	0.0512471	0.188548	0.0191509
0.172921	0.909331	0.0913932	0.284501	0.0517361	0.18424	0.0232631
0.190444	0.946955	0.082618	0.284743	0.0553594	0.188152	0.0245834
0.182423	0.948749	0.0801244	0.284315	0.0601538	0.188173	0.0251011
0.174235	0.92243	0.0838813	0.302104	0.0555074	0.195288	0.0244242
0.19396	0.882207	0.0803486	0.295961	0.0512778	0.200075	0.0224616
0.189818	0.82019	0.0688446	0.298639	0.0538295	0.202626	0.021926
0.19456	0.750233	0.0724076	0.29363	0.0594645	0.201318	0.0204065
0.179661	0.686684	0.0668843	0.286089	0.0564176	0.20144	0.0263339
0.188216	0.630613	0.0597287	0.276777	0.0602158	0.197753	0.0275165
0.165452	0.583034	0.0517372	0.274425	0.054987	0.190334	0.0316435
0.172059	0.539362	0.0503024	0.262882	0.0483742	0.186336	0.0300205
0.168784	0.506829	0.0425248	0.253696	0.0545172	0.178588	0.0281629
0.167617	0.493019	0.0464127	0.247937	0.0506259	0.176021	0.0261969
0.163091	0.480785	0.0498256	0.238044	0.0445792	0.169505	0.0240613
0.1701	0.468171	0.0500392	0.238755	0.0444248	0.168879	0.0265156
0.155226	0.460166	0.0442455	0.235559	0.0426678	0.166745	0.0286308
0.16378	0.463103	0.044424	0.229565	0.0416682	0.160602	0.0215446
0.157392	0.463384	0.0421288	0.229104	0.0427841	0.161322	0.0212841
0.167363	0.465225	0.0441868	0.228669	0.0433415	0.159296	0.0187902
0.159707	0.472918	0.0429315	0.230049	0.0445107	0.155979	0.0190128
0.176953	0.4846	0.0576437	0.234786	0.040864	0.155041	0.0186474
0.176211	0.500134	0.0579359	0.237706	0.043393	0.155096	0.0159533
0.162876	0.548624	0.0417728	0.24953	0.0446532	0.156999	0.0186099
0.150336	0.621829	0.0578389	0.263707	0.0492235	0.15732	0.018254
0.154159	0.733151	0.0755131	0.289869	0.053361	0.159332	0.0190356
0.165447	0.901361	0.0945223	0.328578	0.0633153	0.172497	0.0194035
0.167305	1.10062	0.120343	0.384146	0.0750933	0.189605	0.0225377
0.173985	1.36621	0.167179	0.455441	0.0899772	0.208135	0.0249998
0.210932	1.65545	0.215623	0.538877	0.104358	0.227542	0.0282125
0.232875	1.95597	0.253286	0.6445	0.131263	0.247282	0.0275734
0.267814	2.23596	0.286937	0.753832	0.160839	0.274658	0.0316162
0.315838	2.49923	0.34824	0.853796	0.186434	0.302387	0.0380221
0.356849	2.66634	0.360185	0.946176	0.20335	0.319498	0.0414578
0.369412	2.73463	0.357234	1.01835	0.222931	0.339123	0.0430333
0.379433	2.69635	0.355114	1.05405	0.231485	0.348079	0.0434706
0.390821	2.56921	0.342125	1.05275	0.22621	0.348633	0.0438207
0.378106	2.34373	0.327446	1.02065	0.227367	0.339182	0.043324
0.346855	2.0774	0.266492	0.954176	0.204884	0.317827	0.0394036
0.316508	1.79716	0.211083	0.863824	0.179553	0.293644	0.0393016
0.288181	1.50629	0.183903	0.759076	0.163811	0.27412	0.0367155
0.249607	1.24398	0.148201	0.649748	0.132611	0.251693	0.0296308
0.231684	1.0316	0.10605	0.553196	0.105403	0.220747	0.0287586
0.211538	0.869455	0.0817224	0.477328	0.094372	0.201049	0.0234934

0.208586	0.748016	0.0815606	0.410089	0.081813	0.187498	0.0201103
0.195352	0.657011	0.0618082	0.357823	0.072386	0.175309	0.0197475
0.178548	0.600478	0.0627628	0.327543	0.0628895	0.168888	0.022516
0.168031	0.566817	0.0577855	0.304567	0.0550219	0.164991	0.0229972
0.154599	0.552668	0.0524753	0.286818	0.0539314	0.161584	0.0209612
0.161134	0.537422	0.0458312	0.281349	0.0519544	0.158096	0.0186029
0.157125	0.518776	0.0529291	0.280024	0.0534809	0.159332	0.0186319
0.15934	0.510149	0.0544202	0.279765	0.0532175	0.159608	0.0193065
0.165537	0.491147	0.0503137	0.273552	0.0519362	0.15552	0.0160795
0.171677	0.481904	0.0469151	0.264783	0.0452813	0.15792	0.0165566
0.153937	0.46683	0.0459422	0.260609	0.0455169	0.157954	0.0214131
0.147496	0.457897	0.0440893	0.25744	0.0481641	0.155008	0.0190706
0.145908	0.442727	0.0399623	0.254546	0.0464386	0.155099	0.0166795
0.164254	0.439813	0.0444369	0.252066	0.0465109	0.154524	0.0178563
0.176856	0.452786	0.0434794	0.249115	0.0459794	0.157444	0.0157116
0.17255	0.476643	0.0449971	0.251344	0.0486539	0.160992	0.0130008
0.18349	0.511202	0.0545458	0.259534	0.0484861	0.163179	0.015409
0.202083	0.557362	0.061634	0.26881	0.050898	0.174221	0.0177616
0.263991	0.648317	0.0732325	0.279578	0.0525047	0.19107	0.0188579
0.345202	0.765752	0.0776672	0.302499	0.0521145	0.205246	0.0223158
0.435045	0.900999	0.0979088	0.335623	0.0578388	0.225712	0.0246639
0.610406	1.07931	0.128565	0.37266	0.0666694	0.262959	0.0312059
0.859032	1.29066	0.164403	0.409914	0.0785477	0.306288	0.0339434
1.16661	1.54737	0.198104	0.454475	0.0885999	0.35881	0.0408006
1.50178	1.79685	0.252396	0.512448	0.0979466	0.423893	0.0511654
1.89809	2.0345	0.293679	0.573939	0.109909	0.487563	0.0609923
2.36437	2.28126	0.334839	0.63857	0.126426	0.548578	0.0711326
2.77441	2.45143	0.351943	0.69737	0.138002	0.612241	0.0782725
3.15346	2.57729	0.385454	0.739495	0.144443	0.67392	0.0726579
3.46552	2.60156	0.387041	0.775923	0.150823	0.713847	0.0828939
3.63319	2.57066	0.371819	0.79309	0.152345	0.734847	0.0924278
3.65226	2.47152	0.355611	0.792396	0.149758	0.737372	0.0841013
3.47961	2.32149	0.303208	0.779075	0.147059	0.722181	0.0835424
3.18836	2.18482	0.259645	0.752909	0.139801	0.68891	0.0888289
2.87428	2.06505	0.236225	0.720224	0.13796	0.64479	0.0874173
2.55533	1.97998	0.194747	0.693174	0.139398	0.608436	0.078461
2.20692	1.96384	0.175529	0.679532	0.133124	0.584037	0.0773579
1.83612	1.99468	0.164553	0.666186	0.128026	0.56717	0.0813974
1.59583	2.07006	0.174311	0.671707	0.132292	0.56766	0.0839056
1.4796	2.17723	0.194131	0.693818	0.135742	0.584783	0.0934254
1.44991	2.28556	0.195554	0.726679	0.146817	0.606949	0.104334
1.56628	2.36676	0.215895	0.767673	0.159611	0.6368	0.112589
1.68866	2.40594	0.209415	0.791789	0.162727	0.670722	0.124168
1.73552	2.41933	0.208862	0.818673	0.171734	0.690981	0.126026
1.81636	2.36217	0.211076	0.839346	0.179995	0.693454	0.126251
1.8523	2.24518	0.203679	0.832831	0.174747	0.686935	0.128935
1.8061	2.10134	0.186873	0.816741	0.170884	0.669041	0.121772

1.70688	1.93437	0.161422	0.788875	0.167475	0.63417	0.112344
1.55182	1.78388	0.140806	0.744311	0.152752	0.596299	0.103505
1.37442	1.63516	0.136441	0.696915	0.142706	0.552556	0.087516
1.21717	1.51364	0.117082	0.653203	0.130915	0.504783	0.0736265
1.0319	1.41792	0.130858	0.606419	0.117693	0.4587	0.0662973
0.871395	1.35424	0.154494	0.571357	0.111086	0.417985	0.0577794
0.738234	1.32246	0.153872	0.539422	0.0964943	0.389124	0.0499428
0.606248	1.29738	0.176582	0.512652	0.0904162	0.360146	0.0419667
0.520106	1.30093	0.205855	0.49515	0.0863253	0.336816	0.0367855
0.432181	1.29498	0.212551	0.478322	0.0790497	0.318	0.0313562
0.330893	1.28183	0.226583	0.466585	0.0802231	0.302196	0.0281696
0.294268	1.24224	0.236544	0.452354	0.0802325	0.285984	0.0275213
0.235627	1.20135	0.23554	0.4412	0.0760733	0.267445	0.0318281
0.216414	1.1731	0.220129	0.431418	0.0755095	0.255995	0.0331037
0.227346	1.11667	0.211236	0.416802	0.0741999	0.244472	0.02852
0.195806	1.0483	0.187765	0.402647	0.0708396	0.231759	0.0282533
0.179996	0.980288	0.177256	0.387008	0.0743008	0.220505	0.0256265
0.179312	0.918492	0.157258	0.374476	0.0730607	0.212796	0.0249635
0.177999	0.863146	0.134505	0.363614	0.0696689	0.201451	0.0216684
0.165103	0.808613	0.109214	0.357273	0.069115	0.191564	0.0226112
0.161259	0.763783	0.0965207	0.351541	0.0707793	0.185493	0.0237966
0.165491	0.724996	0.085409	0.346203	0.0713323	0.184153	0.0229235
0.160775	0.696142	0.073047	0.33978	0.0681469	0.186644	0.022013
0.155469	0.688602	0.057198	0.335277	0.0656545	0.183802	0.0239503
0.15816	0.67567	0.0657209	0.344636	0.0734224	0.182462	0.0222661
0.167998	0.668129	0.0633623	0.348353	0.0751263	0.188272	0.0213031
0.147215	0.678123	0.0638557	0.35004	0.072992	0.194529	0.0223557
0.133963	0.695654	0.0665904	0.362858	0.0772024	0.204572	0.0221784
0.159267	0.707233	0.0592568	0.37102	0.0766269	0.219833	0.0266239
0.169077	0.728111	0.0620194	0.383261	0.0779693	0.240046	0.0305457
0.184832	0.757625	0.0730086	0.398179	0.0797105	0.276417	0.0374056
0.184231	0.808231	0.0911439	0.42905	0.0867582	0.334225	0.0454802
0.187061	0.888503	0.104915	0.472992	0.104659	0.414789	0.0582545
0.203635	0.989288	0.147048	0.535061	0.126221	0.533476	0.0754359
0.232789	1.12715	0.197747	0.622159	0.158303	0.707991	0.103437
0.273296	1.30614	0.250731	0.738947	0.206158	0.952198	0.144358
0.333704	1.54525	0.327318	0.892795	0.271183	1.26327	0.189557
0.421772	1.80915	0.428082	1.10512	0.366338	1.64555	0.251925
0.493954	2.07187	0.525099	1.34861	0.4697	2.09529	0.323979
0.615027	2.34832	0.6212	1.60521	0.581613	2.60486	0.400865
0.726601	2.60798	0.708442	1.8853	0.693239	3.14987	0.488037
0.858675	2.80599	0.783777	2.17807	0.820622	3.67608	0.576976
0.98145	2.96101	0.834631	2.42995	0.921284	4.11252	0.63827
1.04404	3.01803	0.867073	2.61347	1.01394	4.43672	0.697568
1.05571	2.99844	0.868046	2.73104	1.07224	4.64042	0.727157
1.05319	2.87266	0.813532	2.77487	1.09063	4.66712	0.726697
1.0447	2.66509	0.730663	2.73677	1.065	4.52328	0.714358

1.02438	2.41506	0.641119	2.59692	0.998794	4.22464	0.655836
0.960508	2.13711	0.538906	2.38771	0.914769	3.81116	0.598718
0.834119	1.86687	0.450141	2.14531	0.811562	3.30921	0.522871
0.725458	1.61422	0.35758	1.86289	0.679517	2.77818	0.43674
0.664389	1.39522	0.281396	1.57529	0.548794	2.25347	0.343531
0.53966	1.22077	0.190838	1.3253	0.437114	1.77442	0.279358
0.404033	1.091	0.14244	1.10463	0.338937	1.35896	0.215263
0.322197	1.02984	0.130927	0.916149	0.262771	1.02998	0.154315
0.26498	0.999771	0.104177	0.777405	0.203518	0.766878	0.117494
0.200738	1.02287	0.113112	0.680333	0.161343	0.569959	0.0865421
0.191812	1.0728	0.10621	0.622553	0.14084	0.440766	0.0661403
0.196447	1.16356	0.123774	0.585168	0.123361	0.353883	0.0472697
0.185007	1.32398	0.152098	0.577926	0.117987	0.302526	0.0379307
0.158504	1.52816	0.164754	0.600636	0.125148	0.285166	0.0366403
0.16518	1.83986	0.200462	0.641628	0.14006	0.285903	0.0339081
0.165343	2.28161	0.241063	0.711369	0.150221	0.304102	0.032995
0.176781	2.97141	0.312235	0.815179	0.171888	0.343121	0.0412645
0.166894	4.05505	0.440543	0.966786	0.203758	0.394629	0.0522589
0.171295	5.74313	0.628074	1.19566	0.251982	0.46533	0.0567554
0.204379	8.38141	0.917134	1.54095	0.334885	0.55987	0.0655621
0.233865	12.4056	1.33707	2.05498	0.459993	0.678172	0.0839173
0.268688	18.4923	1.97796	2.83072	0.620686	0.804052	0.103555
0.276409	27.298	2.95891	4.02139	0.881526	0.972153	0.126149
0.306787	39.7666	4.34894	5.73171	1.26589	1.19256	0.155451
0.387316	56.6119	6.22428	8.16561	1.81362	1.46168	0.188494
0.475231	78.3704	8.6131	11.5597	2.59571	1.81243	0.23374
0.575863	105.103	11.6619	16.0411	3.62427	2.23488	0.281961
0.706292	136.663	15.0444	21.7353	4.9341	2.73948	0.354119
0.873879	171.932	18.8688	28.7174	6.52448	3.34365	0.43364
1.06766	208.599	22.9286	36.7636	8.36496	4.02534	0.514927
1.28853	244.311	26.762	45.6023	10.41	4.75021	0.61474
1.48078	276.027	30.1598	54.7337	12.4443	5.4706	0.708985
1.7154	300.771	33.0485	63.4784	14.4096	6.17501	0.794177
1.91459	315.942	34.5749	71.1436	16.1931	6.76637	0.889364
2.121	319.66	34.904	76.9843	17.549	7.16651	0.958337
2.21995	311.934	34.1207	80.3603	18.2882	7.36714	0.981657
2.1869	293.258	31.9574	80.8958	18.4044	7.31548	0.968255
2.13807	265.994	29.1223	78.6998	17.9533	7.00791	0.933576
1.98354	232.175	25.4698	73.871	16.7763	6.48629	0.866342
1.81087	195.567	21.5322	66.8446	15.1272	5.83097	0.764528
1.63395	158.707	17.3056	58.3529	13.2221	5.07112	0.660088
1.38569	124.291	13.6039	49.1925	11.1685	4.26023	0.555368
1.14481	94.0059	10.2653	40.0522	9.11193	3.46254	0.44974
0.939361	68.5629	7.55858	31.5075	7.16621	2.72086	0.35341
0.7321	48.3875	5.21479	23.9645	5.44275	2.07515	0.27
0.585496	33.1661	3.61575	17.6288	3.98897	1.53274	0.197927
0.476776	22.1363	2.4503	12.5612	2.85286	1.12479	0.144973

0.36452	14.5889	1.59693	8.68895	1.97818	0.815594	0.108366
0.295287	9.6333	1.05062	5.8865	1.33105	0.586025	0.0806417
0.251891	6.59916	0.701319	3.93434	0.895154	0.436818	0.0551451
0.233237	4.90536	0.518745	2.65832	0.606203	0.339204	0.0381174
0.202658	4.15864	0.459353	1.86528	0.421588	0.283039	0.0331798
0.195601	4.12452	0.436774	1.42217	0.31767	0.248812	0.0323331
0.195085	4.66599	0.507012	1.2266	0.274567	0.235329	0.030931
0.179603	5.76921	0.640019	1.21364	0.270153	0.240601	0.0302998
0.184354	7.4146	0.846357	1.37688	0.301387	0.257355	0.0273158
0.222827	9.58861	1.06609	1.66927	0.36385	0.291364	0.0324125
0.234451	12.3926	1.38606	2.09677	0.443474	0.332689	0.0378496
0.222675	15.8511	1.76991	2.68469	0.572698	0.387243	0.045733
0.225669	19.8973	2.1997	3.43709	0.743404	0.460696	0.0552112
0.23536	24.4516	2.76818	4.35069	0.931736	0.544223	0.0668222
0.257291	29.0733	3.26394	5.39723	1.15401	0.650716	0.0824423
0.273345	33.6665	3.76085	6.56132	1.4188	0.763744	0.0952968
0.314878	37.8128	4.22402	7.77408	1.68735	0.86667	0.11285
0.350744	41.1351	4.61502	8.93062	1.92661	0.964188	0.123027
0.380592	43.2526	4.77553	9.97394	2.15403	1.05924	0.127202
0.414932	43.9461	4.91366	10.7978	2.33133	1.1283	0.136751
0.408291	43.3091	4.86113	11.3379	2.41757	1.16492	0.141304
0.402337	41.1487	4.51635	11.5492	2.46503	1.18096	0.143656
0.422955	37.8252	4.18775	11.3711	2.45167	1.15592	0.143971
0.402062	33.6124	3.73391	10.8373	2.33584	1.09509	0.13961
0.378027	28.9356	3.17754	9.98093	2.14808	1.01996	0.121146
0.391215	23.9887	2.67446	8.88796	1.90285	0.916281	0.108973
0.35582	19.2363	2.12334	7.68011	1.63662	0.8016	0.106865
0.302892	14.9006	1.62061	6.42992	1.38391	0.694175	0.0911108
0.269537	11.2031	1.24825	5.20791	1.11443	0.585694	0.0683918
0.25632	8.16731	0.897816	4.08978	0.876545	0.494386	0.055018
0.234812	5.75848	0.622969	3.11307	0.66669	0.412923	0.0468616
0.215638	3.96282	0.425562	2.29899	0.490785	0.338997	0.0406233
0.20956	2.65207	0.28083	1.64461	0.339924	0.285035	0.03493
0.193767	1.75287	0.176816	1.15582	0.236008	0.246511	0.0301776
0.18463	1.15255	0.11926	0.804753	0.167934	0.216011	0.0277268
0.196863	0.75222	0.0616321	0.551646	0.114126	0.192769	0.0266002
0.169753	0.506909	0.0481993	0.382109	0.0792216	0.180502	0.0253503
0.167208	0.362724	0.0337335	0.269737	0.0553222	0.173193	0.0240138
0.183412	0.281363	0.0238308	0.197681	0.0390885	0.167262	0.0221116
0.18248	0.234124	0.0166445	0.15415	0.0289387	0.16438	0.0211213
0.182121	0.20701	0.0192809	0.129995	0.0261451	0.166708	0.023508
0.185889	0.197873	0.0172684	0.113788	0.0228414	0.170361	0.023664
0.211282	0.191767	0.0154614	0.103413	0.0202582	0.169486	0.0227189
0.200126	0.186963	0.0156058	0.0996979	0.0218506	0.168319	0.0253497
0.199387	0.190523	0.0201605	0.0997846	0.0224863	0.16863	0.0231887
0.209777	0.188627	0.0161383	0.0988547	0.0219518	0.171468	0.0245505
0.194355	0.190322	0.0141799	0.0994506	0.0228482	0.173218	0.0282257

0.198765	0.192102	0.0171661	0.0985683	0.0242527	0.177917	0.0261348
0.204147	0.199308	0.0200549	0.0970648	0.0234554	0.183889	0.028003
0.195397	0.199326	0.0204313	0.0992521	0.0214846	0.188298	0.0297735
0.193201	0.205697	0.0238199	0.1025	0.0193513	0.194302	0.0296095
0.209717	0.208873	0.0252635	0.103163	0.02199	0.203488	0.0335941
0.206325	0.212258	0.0230074	0.103118	0.0237582	0.216905	0.0395995
0.218796	0.218726	0.0204418	0.107149	0.0239229	0.237668	0.045287
0.218917	0.229298	0.0258348	0.112688	0.0242674	0.271404	0.0595414
0.234838	0.242397	0.0297456	0.118982	0.0269296	0.318512	0.0814513
0.259214	0.261053	0.0334557	0.131209	0.0304205	0.387853	0.113254
0.261253	0.284598	0.0426304	0.143373	0.0326001	0.485415	0.157354
0.252833	0.315305	0.0495054	0.158145	0.0356143	0.620356	0.217699
0.260103	0.353489	0.070448	0.183308	0.0423039	0.804346	0.300584
0.290524	0.400307	0.0768463	0.209256	0.0494222	1.0354	0.413638
0.332115	0.445493	0.0915985	0.242893	0.0599416	1.32885	0.544966
0.374999	0.497081	0.115894	0.29083	0.0735528	1.68536	0.711647
0.4306	0.553543	0.138522	0.334566	0.085441	2.09264	0.908915
0.486546	0.607212	0.160115	0.383068	0.100335	2.53779	1.11493
0.585383	0.654231	0.175781	0.436075	0.115559	2.99986	1.35028
0.651267	0.700043	0.198575	0.489876	0.131949	3.45608	1.58117
0.674209	0.733227	0.220587	0.537192	0.15018	3.85858	1.78246
0.710393	0.741809	0.223575	0.5788	0.159295	4.20671	1.96204
0.785517	0.735195	0.21643	0.602719	0.164185	4.43583	2.05594
0.832314	0.721508	0.208029	0.615999	0.163966	4.5412	2.1197
0.797494	0.691028	0.210182	0.617558	0.163707	4.50802	2.12386
0.801526	0.650417	0.188036	0.600692	0.162793	4.33348	2.02995
0.767366	0.59752	0.151934	0.568573	0.155573	4.05291	1.89721
0.712771	0.548644	0.14319	0.531557	0.144132	3.70079	1.72652
0.684434	0.489929	0.120367	0.486213	0.132595	3.25931	1.52366
0.601243	0.435851	0.0950606	0.433719	0.111881	2.79441	1.2984
0.559631	0.392	0.0759368	0.379602	0.0941799	2.33878	1.06292
0.511091	0.358017	0.0599978	0.327227	0.0825611	1.9031	0.836695
0.491934	0.327066	0.050012	0.278693	0.0688717	1.52923	0.663687
0.484041	0.300183	0.044633	0.241794	0.0561971	1.20018	0.486578
0.494985	0.287084	0.0325455	0.211209	0.0436469	0.92906	0.363366
0.488875	0.277279	0.0230789	0.185504	0.0367456	0.719742	0.260875
0.434322	0.273386	0.0256938	0.168382	0.0363774	0.574505	0.180483
0.433709	0.267594	0.0245257	0.152881	0.0319647	0.46586	0.132756
0.462747	0.26476	0.0251188	0.146346	0.0301913	0.394361	0.0901936
0.454565	0.266132	0.0237251	0.140275	0.0281151	0.347223	0.0711231
0.459256	0.264302	0.0227372	0.134861	0.0268965	0.308523	0.0570991
0.469886	0.265198	0.0203939	0.134541	0.0289634	0.286747	0.0523803
0.503883	0.26629	0.0192212	0.130591	0.0286315	0.276006	0.0436421
0.467901	0.270475	0.0209615	0.135186	0.0276782	0.269635	0.0372518
0.444926	0.272652	0.0223048	0.135444	0.0272935	0.266712	0.0328994
0.480923	0.280089	0.0214074	0.133073	0.0294522	0.269315	0.0322772
0.512567	0.281561	0.0202344	0.136929	0.0282287	0.276721	0.034798

0.479486	0.285391	0.024223	0.141224	0.0306677	0.281628	0.0364699
0.480046	0.292868	0.0222008	0.142641	0.0302105	0.296273	0.0425639
0.448061	0.305886	0.0241197	0.147336	0.03441	0.317892	0.043517
0.435445	0.310749	0.02553	0.153447	0.0357153	0.334809	0.045883
0.440175	0.320321	0.0295099	0.163906	0.0352219	0.355043	0.0526614
0.426905	0.331099	0.0237998	0.168019	0.0371316	0.384026	0.0593045
0.424421	0.342707	0.0290757	0.174767	0.0410644	0.424184	0.0644552
0.438124	0.361073	0.0314123	0.181982	0.0403164	0.467323	0.0768737
0.411337	0.367519	0.0350936	0.193686	0.0476184	0.503158	0.0980425
0.400695	0.381707	0.0388362	0.200576	0.0453254	0.553966	0.10603
0.404137	0.399431	0.0391835	0.211658	0.051959	0.610267	0.128802
0.379301	0.412799	0.048803	0.218419	0.0543121	0.679604	0.157047
0.380649	0.429057	0.0531026	0.23048	0.0556503	0.740739	0.176684
0.37955	0.448407	0.0580534	0.238617	0.0569567	0.808468	0.213261
0.379863	0.460932	0.0627101	0.248458	0.0553872	0.888143	0.249111
0.392551	0.473176	0.0689127	0.256474	0.0540786	0.959492	0.272503
0.367919	0.483464	0.06043	0.268824	0.0535183	1.02434	0.303942
0.394116	0.489441	0.0649455	0.269968	0.0531424	1.05911	0.317291
0.384328	0.488788	0.0679588	0.278932	0.0584762	1.08693	0.320969
0.413025	0.492238	0.0731597	0.279351	0.0577313	1.09184	0.328278
0.374756	0.490807	0.0672521	0.278822	0.0585405	1.07889	0.321111
0.363063	0.483555	0.0727359	0.27683	0.0533982	1.04578	0.31555
0.336077	0.475834	0.0714451	0.276643	0.057282	0.992051	0.284055
0.358512	0.463601	0.0687355	0.269569	0.0539627	0.935675	0.264271
0.353552	0.452255	0.0597076	0.259222	0.0483981	0.861229	0.231908
0.362549	0.441546	0.0619708	0.250953	0.0436082	0.787663	0.208747
0.355375	0.427858	0.0573399	0.23777	0.0462286	0.710921	0.173381
0.306924	0.417899	0.059459	0.231577	0.0424421	0.644127	0.150495
0.291642	0.411414	0.0600052	0.223293	0.0349385	0.586939	0.120758
0.307576	0.399316	0.0543517	0.21192	0.0361263	0.532873	0.0980453
0.310326	0.392742	0.0513102	0.205719	0.0373933	0.486785	0.0966524
0.295856	0.385896	0.0493079	0.202022	0.0336453	0.451033	0.0837427
0.291507	0.38234	0.0484484	0.198845	0.0340082	0.426003	0.0807738
0.281027	0.376008	0.0526076	0.196344	0.0307973	0.40632	0.0821446
0.275311	0.377478	0.0499922	0.195863	0.0325632	0.395132	0.0824815
0.271227	0.376876	0.0471855	0.194074	0.0312663	0.382976	0.0781067
0.275428	0.367235	0.0454157	0.190635	0.0306002	0.378464	0.0737101
0.282193	0.364271	0.0456539	0.19569	0.0314604	0.380566	0.0756953
0.274227	0.3582	0.0446466	0.194642	0.0307029	0.379737	0.0687589
0.29159	0.35379	0.0419382	0.193704	0.0344392	0.377141	0.0701277
0.269596	0.35258	0.0390377	0.200869	0.0369015	0.378963	0.0772261
0.286023	0.347298	0.0441226	0.194122	0.0340023	0.374017	0.0741249
0.283282	0.34595	0.0359601	0.198759	0.0336537	0.372275	0.0729559
0.290009	0.34843	0.0333665	0.19851	0.0332483	0.377857	0.0700233
0.317937	0.34726	0.0364751	0.192075	0.0364655	0.371953	0.0645912
0.285453	0.341279	0.0360724	0.191477	0.0343068	0.362607	0.0690339
0.28932	0.340011	0.0370476	0.195132	0.032419	0.367726	0.0596109



0.283624	0.338374	0.0347176	0.194649	0.0315497	0.370765	0.0578565
0.293823	0.339693	0.0385408	0.19054	0.0328529	0.366004	0.056336
0.271934	0.338343	0.0312017	0.189129	0.0312662	0.364576	0.0541807
0.29637	0.343967	0.0281184	0.189004	0.0365332	0.362606	0.0486983
0.318947	0.349372	0.0315589	0.191492	0.0330416	0.361262	0.0508518
0.296444	0.365015	0.0387823	0.195344	0.0294612	0.365807	0.0456158
0.3435	0.375971	0.0431871	0.201712	0.0330712	0.365161	0.0409401
0.329053	0.39779	0.0512116	0.207746	0.035293	0.379882	0.0469186
0.397206	0.42352	0.0608825	0.217739	0.0442171	0.39297	0.0538143
0.448652	0.453331	0.0727065	0.225836	0.0421401	0.422651	0.0514414
0.428543	0.488401	0.0968175	0.246945	0.0519135	0.437036	0.0565618
0.534778	0.53496	0.122317	0.267123	0.0618256	0.46998	0.0637013
0.591345	0.571774	0.141024	0.292266	0.07088	0.510222	0.074709
0.703508	0.608121	0.163888	0.322651	0.101284	0.54978	0.0862812
0.794583	0.644719	0.185703	0.348094	0.110957	0.595116	0.0997288
0.893829	0.673271	0.210287	0.384455	0.131852	0.637067	0.118732
1.04419	0.692244	0.219829	0.423048	0.151405	0.678052	0.129087
1.1206	0.712531	0.219171	0.442555	0.169149	0.710746	0.133774
1.18026	0.725947	0.212831	0.459251	0.173803	0.740785	0.147253
1.2682	0.723694	0.218333	0.480028	0.184704	0.752311	0.156063
1.28299	0.702966	0.203847	0.486495	0.184246	0.769001	0.156362
1.3078	0.681779	0.188145	0.492925	0.189847	0.765853	0.140092
1.3373	0.654712	0.173303	0.480469	0.188491	0.744358	0.153085
1.21149	0.62065	0.142377	0.461392	0.17055	0.715924	0.135296
1.12294	0.596443	0.124155	0.453711	0.16779	0.691281	0.128685
1.06681	0.568649	0.110463	0.417285	0.138445	0.652741	0.121729
0.907683	0.53244	0.0886932	0.394842	0.128029	0.599265	0.10161
0.831469	0.506824	0.0768048	0.366112	0.117147	0.567747	0.0833955
0.692919	0.487438	0.0611439	0.3403	0.100132	0.537114	0.0810465
0.625329	0.465248	0.048636	0.312692	0.0796104	0.497884	0.0721645
0.548307	0.4484	0.043142	0.293246	0.0706107	0.4696	0.0634993
0.460787	0.442317	0.0391011	0.278959	0.0658632	0.451119	0.0549394
0.470242	0.436441	0.0373051	0.261205	0.0584194	0.430741	0.0601912
0.396925	0.435844	0.0366166	0.251172	0.0560811	0.419792	0.0548619
0.380844	0.429451	0.0346282	0.244436	0.0510566	0.413373	0.047838
0.393427	0.429707	0.0349235	0.243172	0.0575648	0.405737	0.0469284
0.378897	0.432711	0.0346092	0.232356	0.0479726	0.401545	0.0513337
0.414616	0.440352	0.0416407	0.234629	0.0518663	0.401063	0.0463017
0.381466	0.445277	0.0368202	0.232933	0.0567834	0.399191	0.044605
0.330583	0.45152	0.0468856	0.231184	0.0551096	0.397759	0.0457713
0.32476	0.456506	0.0457967	0.233435	0.0500724	0.390367	0.0445316
0.353219	0.464406	0.0477797	0.235431	0.0587181	0.404338	0.0466189
0.403963	0.464667	0.0454788	0.234016	0.0541465	0.396389	0.0473597
0.340748	0.469363	0.0489783	0.238847	0.0561782	0.402124	0.0568162
0.390254	0.480917	0.0526268	0.23891	0.0577274	0.412607	0.0532457
0.361019	0.491975	0.0477667	0.239514	0.0542661	0.415621	0.0602198
0.366686	0.500803	0.0508172	0.241133	0.0577705	0.416954	0.0590726

0.334409	0.512036	0.057327	0.245288	0.0584729	0.415861	0.0583236
0.334572	0.52361	0.0586562	0.253826	0.0572301	0.433366	0.0761684
0.354397	0.534575	0.0611116	0.251648	0.0564633	0.440863	0.0859735
0.404465	0.552252	0.05731	0.265902	0.0541382	0.448147	0.092416
0.353417	0.571522	0.0627667	0.265077	0.0561717	0.462679	0.113081
0.378221	0.592655	0.0619286	0.277657	0.057807	0.483372	0.123212
0.385356	0.618338	0.0630686	0.286193	0.0621336	0.492613	0.136886
0.423764	0.648172	0.0600547	0.300416	0.0563486	0.523379	0.153678
0.466223	0.6902	0.0672015	0.316725	0.0555505	0.554373	0.163932
0.462513	0.735999	0.0793012	0.340048	0.0582307	0.586894	0.172219
0.492188	0.797919	0.0749817	0.364728	0.0570977	0.630933	0.176971
0.539728	0.854376	0.083675	0.39714	0.0698721	0.684925	0.189104
0.593269	0.921618	0.0919713	0.442137	0.074501	0.750045	0.177215
0.681703	0.9799	0.102314	0.494166	0.0845099	0.822689	0.186468
0.711132	1.04959	0.100289	0.547035	0.0953475	0.915648	0.185285
0.806525	1.11515	0.111439	0.601289	0.116908	0.98759	0.196725
0.935542	1.1589	0.121583	0.66275	0.13189	1.06946	0.19213
1.03953	1.20217	0.126275	0.722212	0.13706	1.15412	0.208856
1.10596	1.22799	0.115905	0.771166	0.1417	1.21542	0.185757
1.19798	1.24342	0.125696	0.82157	0.156401	1.27468	0.181972
1.25335	1.23796	0.131843	0.860598	0.170507	1.32341	0.194486
1.26674	1.21076	0.129443	0.874177	0.172768	1.35676	0.180684
1.39346	1.17744	0.128508	0.877073	0.174673	1.35358	0.170946
1.28953	1.13822	0.121773	0.874015	0.169088	1.33169	0.175599
1.2724	1.08245	0.107369	0.848094	0.159512	1.28133	0.170977
1.18677	1.01939	0.0923853	0.816556	0.149724	1.2281	0.145281
1.14523	0.959515	0.0843269	0.768536	0.139898	1.15411	0.145809
1.05906	0.908932	0.0851578	0.721166	0.134635	1.0934	0.132757
1.04951	0.848055	0.0716519	0.673565	0.11972	0.999141	0.116658
0.914169	0.79847	0.0640948	0.607834	0.106081	0.933809	0.120068
0.862519	0.756643	0.058822	0.557092	0.0911928	0.856746	0.0939447
0.833132	0.722452	0.056677	0.513532	0.0893557	0.791585	0.0954774
0.766016	0.692784	0.0554346	0.468541	0.0813546	0.735071	0.0811952
0.697188	0.669286	0.0595939	0.445982	0.0788157	0.702996	0.0703068
0.720437	0.644298	0.0543259	0.407812	0.0688536	0.654694	0.0655283
0.680983	0.627374	0.0498818	0.394423	0.0693227	0.638622	0.0612402
0.699999	0.614612	0.0522305	0.373747	0.0640568	0.61315	0.0634182
0.65339	0.602556	0.0523941	0.360642	0.064085	0.606194	0.0584741
0.676062	0.600437	0.0520977	0.357729	0.0717773	0.606317	0.0499105
0.705047	0.599846	0.0501272	0.348788	0.065604	0.602476	0.0502971
0.745155	0.588492	0.0527778	0.34706	0.0654982	0.602196	0.0581046
0.771886	0.586565	0.0471047	0.346056	0.0611277	0.614942	0.0462526
0.7218	0.585814	0.0557068	0.347696	0.0703055	0.632585	0.0546557
0.860991	0.587189	0.0597443	0.349467	0.0689336	0.625461	0.0593916
0.798548	0.597569	0.0606842	0.349246	0.0687127	0.659119	0.061241
0.870843	0.607401	0.0625854	0.361075	0.0754383	0.670905	0.0648628
0.861564	0.626962	0.0681339	0.365762	0.0732358	0.706396	0.058183

1.07279	0.657798	0.078679	0.368591	0.073338	0.748654	0.0642073
1.1039	0.697703	0.0905234	0.385495	0.0864582	0.802743	0.0766527
1.2166	0.756659	0.101686	0.408111	0.0888236	0.871327	0.0713357
1.3809	0.866712	0.141175	0.437551	0.0976833	0.985489	0.100265
1.66068	1.02118	0.186568	0.474868	0.118689	1.14465	0.099102
2.05264	1.25242	0.251674	0.536511	0.139913	1.40254	0.132939
2.53178	1.58237	0.360383	0.64647	0.186417	1.75713	0.160997
3.53636	2.03715	0.492013	0.795657	0.229813	2.29496	0.214554
4.46693	2.66385	0.697632	1.00131	0.337886	3.08297	0.280945
6.3201	3.50103	0.957707	1.30326	0.436778	4.15416	0.363372
8.80965	4.57599	1.29247	1.73502	0.619932	5.66729	0.504527
12.1371	5.93178	1.7426	2.30481	0.84928	7.68128	0.665466
16.3524	7.55976	2.22774	3.0801	1.15952	10.3583	0.921693
21.7905	9.47848	2.81905	4.07925	1.56075	13.7564	1.28922
28.8871	11.6463	3.47515	5.2999	2.05533	17.9028	1.58111
36.9856	13.9727	4.21035	6.81219	2.64751	22.7908	2.07478
47.2077	16.4544	4.95215	8.53117	3.32292	28.4736	2.62301
59.1444	18.8764	5.77182	10.5238	4.13052	34.8362	3.23421
71.3179	21.1195	6.48406	12.6163	4.96955	41.4284	3.76185
83.9831	23.0558	7.064	14.8104	5.78641	48.3172	4.49601
97.4547	24.5471	7.51067	16.9769	6.66282	54.8546	5.16745
110.626	25.4989	7.75338	19.0446	7.53979	60.7473	5.60481
120.904	25.8543	7.91146	20.8463	8.20873	65.7786	6.08034
130.133	25.5682	7.81083	22.1464	8.72621	69.165	6.51586
136.315	24.5991	7.49717	22.9565	9.09012	71.0412	6.65515
138.065	23.1701	7.03853	23.3481	9.23555	71.1657	6.75469
138.966	21.2308	6.40434	23.0778	9.09575	69.5385	6.66104
134.992	19.0353	5.73417	22.2221	8.78167	66.1697	6.33425
126.999	16.6273	4.9526	20.8848	8.20776	61.3628	5.88699
116.651	14.2027	4.21297	19.1821	7.53238	55.5451	5.30132
105.279	11.8697	3.50348	17.1643	6.73402	49.1532	4.79761
93.0746	9.72116	2.83011	14.9821	5.89349	42.3293	4.09695
80.1195	7.78789	2.24175	12.7585	4.91494	35.5958	3.54082
67.1034	6.13921	1.72404	10.6271	4.12104	29.159	2.85697
55.4222	4.79814	1.30303	8.67006	3.34135	23.3846	2.34296
44.3065	3.72744	0.952541	6.88162	2.61987	18.3032	1.80481
34.868	2.90462	0.690578	5.3681	2.00318	14.0027	1.36465
26.2886	2.27251	0.488293	4.139	1.52361	10.4951	1.04319
20.0783	1.81366	0.338936	3.11617	1.14233	7.71	0.761811
14.6221	1.48735	0.239591	2.32424	0.793567	5.58116	0.536254
10.5904	1.27544	0.173582	1.73918	0.570606	4.0226	0.408542
7.66741	1.12414	0.13498	1.30439	0.401079	2.89151	0.293672
5.49714	1.03835	0.108238	1.00042	0.279016	2.09028	0.193954
3.94747	0.976321	0.0901172	0.781852	0.200022	1.54	0.149505
2.80515	0.937873	0.083513	0.63751	0.157571	1.16088	0.114471
2.17489	0.916148	0.0765444	0.539808	0.114717	0.927858	0.0851394
1.649	0.904194	0.0569866	0.477916	0.0948945	0.78089	0.076989

1.29427	0.894505	0.0642197	0.441993	0.0711823	0.694851	0.0628987
1.00349	0.897566	0.0621366	0.418793	0.0710184	0.620651	0.0593832
0.895768	0.900136	0.0602234	0.402385	0.0677591	0.591155	0.0583691
0.87032	0.900759	0.0661016	0.392083	0.0629876	0.568316	0.0613838
0.799799	0.903414	0.0649131	0.400862	0.0656671	0.554124	0.0594834
0.678094	0.901297	0.0616461	0.391317	0.0631244	0.554327	0.0584392
0.73876	0.895774	0.0636004	0.39223	0.0586558	0.558583	0.0616487
0.639922	0.904017	0.0560937	0.395822	0.0622388	0.556957	0.0537569
0.660904	0.901494	0.0541111	0.397833	0.0560699	0.565074	0.0651751
0.655779	0.902366	0.0586835	0.399483	0.0538525	0.556466	0.0638433
0.688612	0.900071	0.0569755	0.395695	0.0524721	0.565074	0.0561913
0.650905	0.909005	0.0545434	0.402432	0.0516957	0.564914	0.0497883
0.68014	0.913881	0.0647529	0.406857	0.0597635	0.582316	0.0595777
0.658876	0.919766	0.0629884	0.408013	0.0484858	0.587877	0.0623491
0.712528	0.925793	0.0574715	0.413483	0.0513401	0.594169	0.0585457
0.683407	0.930172	0.0558305	0.413092	0.053007	0.608881	0.0565344
0.662523	0.931478	0.0548824	0.422527	0.0581017	0.622013	0.0665531
0.678849	0.94037	0.0568321	0.425647	0.0575544	0.636475	0.054245
0.72128	0.95215	0.0566033	0.431182	0.0624174	0.654052	0.0611873
0.6796	0.963955	0.0585311	0.432918	0.061006	0.674666	0.0536096
0.692431	0.979753	0.0621035	0.452505	0.0629322	0.701624	0.0616244
0.699198	1.00602	0.0662468	0.464769	0.0674404	0.741003	0.0590997
0.821349	1.04252	0.070192	0.478107	0.0627917	0.780586	0.0652913
0.883137	1.09222	0.084643	0.494707	0.0787425	0.847045	0.0583353
0.925422	1.14833	0.0974181	0.519052	0.0897336	0.93253	0.066181
1.02588	1.22942	0.127416	0.543535	0.0961227	1.0329	0.0780081
1.24048	1.33472	0.163615	0.583569	0.110882	1.17995	0.1021
1.49935	1.46551	0.194428	0.635088	0.132187	1.36194	0.100436
1.71006	1.63386	0.255027	0.715766	0.160044	1.61191	0.136446
2.01291	1.83938	0.309244	0.809912	0.182438	1.91788	0.148003
2.60598	2.08404	0.364174	0.915296	0.235449	2.31792	0.185028
3.19752	2.36493	0.451597	1.0694	0.306281	2.83008	0.22104
3.93239	2.66594	0.545963	1.26351	0.375878	3.40534	0.276986
4.91553	3.02033	0.644584	1.47093	0.464496	4.12168	0.318378
5.78639	3.34411	0.764117	1.72691	0.55219	4.94186	0.416006
7.06943	3.70127	0.84405	2.00945	0.663663	5.81256	0.467385
8.31663	4.03312	0.954305	2.3183	0.787632	6.7619	0.558242
9.74184	4.31326	1.02293	2.63361	0.910561	7.76362	0.645602
11.0604	4.52578	1.10188	2.9633	1.03108	8.71861	0.699105
12.7199	4.71424	1.14075	3.254	1.18213	9.57618	0.802721
13.4995	4.80004	1.15543	3.53592	1.29794	10.3446	0.842044
15.0982	4.77845	1.16559	3.76439	1.34158	10.9441	0.910437
15.7835	4.6669	1.1298	3.90017	1.40019	11.3124	0.968173
16.0888	4.46015	1.05861	4.01099	1.43491	11.4354	0.954964
16.4338	4.1955	0.981635	4.0052	1.46994	11.3345	0.998023
16.1014	3.89265	0.894877	3.90518	1.42075	10.9486	0.936274
15.4019	3.56098	0.802957	3.77826	1.36024	10.3709	0.919485

14.6984	3.20116	0.699196	3.53551	1.27609	9.61624	0.807514
13.4855	2.84631	0.584551	3.2669	1.15037	8.69913	0.759821
12.2525	2.51239	0.492747	2.97313	1.03343	7.71246	0.707605
10.6962	2.19546	0.397253	2.63698	0.906695	6.73259	0.573564
9.43463	1.92101	0.312251	2.29946	0.771784	5.73654	0.507073
7.91218	1.67941	0.239867	1.98439	0.657942	4.7837	0.422057
6.50159	1.49125	0.180481	1.6825	0.515246	3.9269	0.358698
5.34666	1.34136	0.142546	1.42162	0.420169	3.17792	0.271479
4.11664	1.21589	0.113558	1.20454	0.339327	2.54614	0.2147
3.33296	1.12884	0.0819461	0.995894	0.25411	2.00722	0.171975
2.52625	1.06885	0.0730541	0.855646	0.201135	1.59158	0.142571
1.95669	1.02131	0.0728794	0.712081	0.145533	1.2642	0.110309
1.4565	0.997908	0.0645688	0.629883	0.111501	1.00531	0.0844182
1.11662	0.982817	0.0511274	0.563451	0.091212	0.821789	0.068581
0.824799	0.987425	0.0510307	0.509201	0.0789942	0.677769	0.0486258
0.624661	0.998873	0.0539311	0.474253	0.0586258	0.590268	0.0528097
0.485432	1.0114	0.0639671	0.448888	0.052324	0.514516	0.0419877
0.360759	1.03813	0.0641015	0.439285	0.0619266	0.470005	0.0337875
0.295291	1.06783	0.0669633	0.435349	0.0497591	0.440696	0.0389016
0.231438	1.09326	0.0741798	0.436853	0.0579241	0.424193	0.0387495
0.219043	1.12441	0.0787399	0.431503	0.0536226	0.415522	0.0332388
0.178611	1.15247	0.0737908	0.446256	0.0580101	0.408429	0.032897
0.179137	1.18329	0.0852458	0.45702	0.0619345	0.401088	0.0321218
0.181837	1.19932	0.0893441	0.465619	0.0653782	0.394602	0.037129
0.163251	1.21654	0.0886371	0.472622	0.0658093	0.404341	0.0328114
0.154999	1.22481	0.089394	0.479139	0.0757418	0.408361	0.0323227
0.17943	1.2238	0.090029	0.490562	0.0705054	0.418966	0.03505
0.177925	1.22328	0.0906855	0.498674	0.0774615	0.42114	0.0343264
0.210087	1.20405	0.0879674	0.515604	0.0752039	0.435291	0.0375256
0.21379	1.18783	0.0734355	0.51103	0.0859726	0.447773	0.0351021
0.246172	1.18295	0.0763366	0.518058	0.0775389	0.460986	0.0427404
0.259319	1.16188	0.0732436	0.513151	0.0778294	0.473506	0.0346694
0.286466	1.13895	0.066399	0.520118	0.064821	0.481906	0.0419616
0.300574	1.11047	0.0648459	0.517772	0.0721642	0.498333	0.0409041
0.32333	1.08857	0.0608382	0.515713	0.0769016	0.507576	0.0449691
0.336652	1.06631	0.0536377	0.510321	0.0686841	0.511766	0.0368668
0.386705	1.03951	0.0562582	0.512242	0.0708935	0.529377	0.0327129
0.406718	1.02039	0.0625783	0.503202	0.0722087	0.530136	0.0475164
0.419256	1.01097	0.0535226	0.500363	0.0633363	0.536228	0.0396697
0.371615	0.988862	0.0550076	0.494616	0.0617128	0.536842	0.0517814
0.375552	0.970465	0.0592776	0.48856	0.0641572	0.541704	0.0426934
0.380761	0.96191	0.0579486	0.483249	0.0679359	0.541783	0.0446009
0.366281	0.959218	0.0624579	0.468943	0.0617193	0.529335	0.049887
0.310866	0.958338	0.0625162	0.467741	0.0528721	0.526645	0.0553571
0.293787	0.949807	0.0628559	0.466197	0.0646975	0.51284	0.0495861
0.265387	0.947241	0.0619349	0.454895	0.0667171	0.518314	0.0635861
0.263664	0.949563	0.0597253	0.455649	0.0590531	0.510994	0.0600625

0.239323	0.949586	0.0601531	0.446184	0.0529012	0.501009	0.0676795
0.20151	0.952886	0.0523668	0.438833	0.0605439	0.494602	0.0704392
0.182293	0.958173	0.0491987	0.448904	0.0682066	0.483002	0.0837324
0.177616	0.96749	0.0616882	0.452047	0.0673244	0.490085	0.0813358
0.154393	0.969837	0.0636359	0.448615	0.0609147	0.487985	0.0845174
0.154072	0.97998	0.0649936	0.448209	0.0579059	0.482122	0.0796312
0.114836	0.974893	0.0555938	0.447372	0.0600655	0.481405	0.0875627
0.119183	0.977131	0.0562559	0.460188	0.0577207	0.48212	0.088649
0.124637	0.970829	0.0569205	0.455004	0.0604347	0.490327	0.08562
0.0990258	0.973648	0.0530231	0.46204	0.057163	0.481442	0.0833675
0.105388	0.973507	0.0510112	0.459646	0.0633873	0.478934	0.0706467
0.107512	0.955779	0.0536249	0.459404	0.0709501	0.486386	0.0715792
0.114997	0.950234	0.0594816	0.465048	0.0635551	0.492191	0.0722369
0.119884	0.946964	0.0632066	0.464595	0.0576193	0.488654	0.0706703
0.107877	0.945337	0.0545257	0.458018	0.0587977	0.480985	0.0767619
0.112351	0.947586	0.0517848	0.463312	0.0647178	0.489826	0.0618618
0.106332	0.942309	0.0543078	0.466665	0.0677396	0.489605	0.0659927
0.11404	0.943077	0.0473838	0.4647	0.0706412	0.48942	0.0530158
0.105791	0.946353	0.0541303	0.465523	0.0623014	0.489369	0.0664286
0.116616	0.928581	0.0557196	0.465494	0.0642478	0.485123	0.0481439
0.107601	0.926796	0.0625468	0.459797	0.0618275	0.482991	0.0516537
0.104479	0.928612	0.0510837	0.460955	0.0600459	0.48634	0.0484477
0.110972	0.917202	0.052172	0.458044	0.0594642	0.477237	0.0427297
0.0856878	0.910616	0.0553309	0.457272	0.0659642	0.48239	0.0440347
0.0966248	0.913599	0.0599032	0.461546	0.066204	0.489949	0.043745
0.109693	0.903571	0.0536792	0.453005	0.058198	0.494954	0.0375638
0.105158	0.891733	0.0574151	0.444533	0.0576705	0.48172	0.0390412
0.111329	0.887036	0.0518489	0.441326	0.0599543	0.490259	0.0428678
0.103886	0.884104	0.0459089	0.451184	0.0635569	0.483441	0.0366457
0.107036	0.891436	0.0570807	0.444151	0.0642872	0.494367	0.0386191
0.0975881	0.89357	0.0508015	0.450207	0.0605744	0.484012	0.0363178
0.0956286	0.893497	0.0529496	0.442195	0.0577774	0.496061	0.0394199
0.114313	0.889824	0.0552349	0.445829	0.0605803	0.492909	0.0344918
0.140166	0.891016	0.0523136	0.447144	0.0488557	0.489592	0.0379214
0.121139	0.899487	0.0506571	0.45543	0.0543712	0.490277	0.0364788
0.100607	0.904651	0.0577001	0.446332	0.0534447	0.493947	0.040404
0.140177	0.902841	0.0433651	0.45942	0.0464325	0.507118	0.0405272
0.139595	0.903527	0.0520583	0.452295	0.0469341	0.509601	0.0269612
0.130291	0.908797	0.0487619	0.457698	0.0573051	0.517932	0.0372214
0.141934	0.923197	0.0436261	0.466695	0.0467316	0.529321	0.0449686
0.168186	0.92241	0.0556714	0.465329	0.0478154	0.536827	0.0488036
0.161584	0.925891	0.0477818	0.474809	0.0530765	0.546774	0.0400659
0.183394	0.935068	0.0483851	0.475908	0.0536258	0.554946	0.0431185
0.185237	0.942821	0.0468763	0.475854	0.0470964	0.576167	0.0407528
0.211069	0.93519	0.0479648	0.483879	0.0546683	0.58023	0.040752
0.212701	0.938114	0.0465401	0.489424	0.054454	0.579291	0.0462271
0.211772	0.942098	0.0480756	0.493763	0.0599562	0.588157	0.0479928

0.21523	0.944767	0.0452953	0.501153	0.0558547	0.59655	0.0452477
0.267783	0.951486	0.0429054	0.493337	0.059477	0.606089	0.0512384
0.217568	0.944481	0.0395433	0.494171	0.0573739	0.606887	0.0473102
0.263352	0.953397	0.0535906	0.495938	0.0601603	0.599401	0.0465667
0.241577	0.955098	0.0523374	0.496272	0.0606185	0.599404	0.0428862
0.240196	0.950016	0.0439409	0.499254	0.0640947	0.600043	0.044774
0.267886	0.949683	0.0435456	0.49497	0.0612241	0.592889	0.0445035
0.248756	0.949833	0.0516228	0.488585	0.0661872	0.590607	0.0488613
0.232097	0.944505	0.0519528	0.485656	0.0554956	0.576749	0.0370544
0.227129	0.948604	0.0514881	0.482907	0.0573227	0.581052	0.0300366
0.231706	0.951507	0.0494571	0.478094	0.0502083	0.563997	0.0406183
0.226277	0.956868	0.0479285	0.483469	0.0547166	0.564382	0.0426423
0.227101	0.965098	0.0479768	0.477143	0.0430273	0.563623	0.0360813
0.198007	0.971804	0.0439043	0.482603	0.0576218	0.556934	0.0355999
0.195566	0.975183	0.0477251	0.475274	0.058077	0.552871	0.0316167
0.174351	0.976961	0.0472091	0.477585	0.0549095	0.548699	0.0385979
0.184482	0.990757	0.0517089	0.474406	0.0541867	0.553451	0.0410961
0.177815	0.997215	0.0470506	0.482161	0.0569496	0.557962	0.0464594
0.172905	1.00435	0.0533798	0.475933	0.050881	0.55086	0.0422359
0.177777	1.02075	0.049827	0.487059	0.0539117	0.553285	0.0366171
0.157701	1.02977	0.0560179	0.482865	0.050365	0.556171	0.0463488
0.153105	1.02999	0.0580947	0.480144	0.0524789	0.555309	0.0401321
0.149825	1.04374	0.0604038	0.486208	0.0510979	0.569942	0.0328322
0.149388	1.0555	0.0604657	0.490277	0.0569969	0.558293	0.0452767
0.100961	1.06701	0.0484581	0.497849	0.046848	0.577966	0.044881
0.139985	1.07781	0.0631206	0.492121	0.0500057	0.575338	0.0484218
0.125408	1.08914	0.0645734	0.502941	0.0560674	0.573061	0.0462462
0.115112	1.08802	0.0582639	0.506949	0.0615067	0.585705	0.0463827
0.136573	1.10534	0.0625755	0.507747	0.0545955	0.583235	0.0474614
0.116914	1.1255	0.0659912	0.508599	0.0519391	0.585858	0.0443639
0.11968	1.13141	0.0731253	0.508392	0.056983	0.597228	0.04645
0.0953681	1.15162	0.0750047	0.521514	0.0588211	0.589419	0.0525044
0.0993864	1.15232	0.0746848	0.518647	0.0597634	0.606957	0.0450545
0.113893	1.1551	0.080002	0.519956	0.0590579	0.60267	0.0430324
0.102234	1.16983	0.0894533	0.528839	0.0651164	0.613281	0.0546689
0.100125	1.1893	0.0852721	0.53174	0.0630769	0.614482	0.0416395
0.104779	1.20651	0.0823271	0.541744	0.0714383	0.623381	0.0502625
0.113182	1.22277	0.0951548	0.544519	0.0574875	0.611587	0.0518808
0.120008	1.22776	0.0909103	0.549907	0.0615972	0.638781	0.0475032
0.101536	1.23816	0.0878654	0.557596	0.0746422	0.629826	0.0489991
0.106209	1.25158	0.0949434	0.554834	0.0691966	0.642675	0.0435933
0.101772	1.26659	0.0989945	0.563054	0.0640514	0.634114	0.0480808
0.111063	1.28313	0.0966303	0.579214	0.0812915	0.65394	0.0486887
0.106265	1.29427	0.0978902	0.565969	0.064758	0.659959	0.0510101
0.112765	1.31188	0.0906657	0.58448	0.0767114	0.668679	0.0457487
0.109546	1.33123	0.0944289	0.585387	0.0714786	0.683328	0.0597014
0.0959754	1.35646	0.0914292	0.600997	0.0757611	0.696263	0.0587796

0.0986272	1.37365	0.109913	0.605784	0.0797692	0.716389	0.0434225
0.111244	1.3956	0.108055	0.616379	0.0752908	0.733399	0.0556829
0.109576	1.40873	0.0998991	0.630181	0.0825142	0.762234	0.0530671
0.124514	1.42707	0.0931185	0.637595	0.0775188	0.778369	0.0474859
0.132466	1.4497	0.105576	0.648717	0.0797071	0.814543	0.0453475
0.107465	1.46131	0.104742	0.66565	0.0855513	0.83898	0.0536224
0.121345	1.48402	0.0865545	0.672157	0.0800394	0.869035	0.0500474
0.121525	1.50007	0.0974198	0.685074	0.075741	0.902035	0.0468661
0.0974662	1.51212	0.0981638	0.699254	0.0932091	0.931838	0.0694084
0.0997277	1.50593	0.0932069	0.717821	0.088717	0.951119	0.0699575
0.106369	1.51957	0.0903157	0.736347	0.0786742	0.975344	0.062439
0.125371	1.53356	0.082873	0.738861	0.0776036	0.978991	0.0607615
0.107215	1.52073	0.0870462	0.745118	0.0820754	1.00295	0.0673997
0.102887	1.51985	0.087795	0.745417	0.0790102	0.997341	0.058588
0.116002	1.51104	0.078524	0.754793	0.0895043	0.99607	0.0716464
0.119942	1.4991	0.0797169	0.745091	0.087418	0.981326	0.0670539
0.110054	1.50127	0.0802391	0.746429	0.0861003	0.977253	0.0702543
0.121189	1.48776	0.0764272	0.752824	0.088283	0.946736	0.0594436
0.127786	1.49568	0.0691331	0.737617	0.0884952	0.93141	0.0547967
0.10163	1.47986	0.0685322	0.736386	0.0845716	0.910098	0.066991
0.131457	1.46264	0.0782369	0.725901	0.078551	0.87532	0.06174
0.129522	1.46254	0.077536	0.727076	0.0765138	0.856714	0.0592957
0.116715	1.46593	0.0791023	0.707497	0.0745259	0.828916	0.0607172
0.119186	1.45548	0.0806012	0.707354	0.0748536	0.810036	0.0602629
0.119706	1.45712	0.0780898	0.698242	0.0738303	0.805187	0.0619163
0.127488	1.45464	0.0839931	0.692975	0.0834936	0.788724	0.0522901
0.12951	1.44791	0.0791638	0.676699	0.0740966	0.769893	0.0577744
0.111333	1.45126	0.0806122	0.687694	0.0766131	0.759177	0.0496366
0.115274	1.4638	0.0789038	0.682268	0.06378	0.749593	0.057582
0.130557	1.45484	0.0757527	0.67995	0.0740189	0.744677	0.0576745
0.130787	1.46027	0.0947016	0.681228	0.0748137	0.730918	0.0543545
0.115063	1.45879	0.0848792	0.673913	0.0688411	0.728116	0.0540607
0.129937	1.45405	0.0709876	0.678709	0.0565981	0.741078	0.0573711
0.133075	1.46412	0.0946729	0.686596	0.0662865	0.735098	0.0564154
0.122555	1.46872	0.0932926	0.687669	0.0627953	0.741219	0.0485724
0.140359	1.4625	0.0834404	0.682345	0.0592416	0.733568	0.057408
0.110717	1.46182	0.0977664	0.676928	0.0611871	0.726604	0.050198
0.103571	1.47381	0.0893253	0.692047	0.0664222	0.724592	0.0580498
0.129624	1.45664	0.0811133	0.685647	0.0565706	0.732702	0.0477554
0.144031	1.4662	0.0858918	0.688029	0.0534326	0.731253	0.0488882
0.112192	1.45196	0.0859922	0.684497	0.0489543	0.7269	0.0529937
0.12518	1.45174	0.0820036	0.691247	0.0594911	0.738753	0.0366997
0.130511	1.46747	0.0992565	0.680406	0.0654076	0.73133	0.0530785
0.118723	1.45933	0.0762015	0.678487	0.0612776	0.729637	0.0426805
0.11636	1.46283	0.0781547	0.67693	0.0555937	0.723904	0.0498202
0.131096	1.44634	0.082724	0.681393	0.0522278	0.723105	0.0517714
0.143549	1.44201	0.0858348	0.687733	0.0526539	0.714817	0.0467929



0.136276	1.45242	0.0873006	0.689451	0.0521975	0.731521	0.0462185
0.126007	1.44528	0.084596	0.690703	0.0574705	0.715024	0.0420244
0.130741	1.43918	0.0824084	0.687913	0.0530957	0.72331	0.044195
0.139856	1.43417	0.0926384	0.677398	0.0538715	0.715612	0.0427187
0.126269	1.43607	0.0948336	0.674555	0.0594002	0.706387	0.0529919
0.149448	1.43897	0.0835318	0.687769	0.0597779	0.69702	0.0447088
0.148618	1.43942	0.0840978	0.682086	0.0590175	0.707963	0.0405342
0.176727	1.44247	0.0878757	0.680799	0.049923	0.704263	0.0417453
0.157729	1.43168	0.0868608	0.673746	0.0647753	0.705942	0.0396809
0.140273	1.42993	0.0837346	0.67168	0.0566203	0.716826	0.0362717
0.145458	1.43225	0.0846835	0.680466	0.0568194	0.708044	0.0383841
0.157558	1.42493	0.0844184	0.675313	0.058188	0.702459	0.0487179
0.149854	1.43644	0.0897241	0.680962	0.0565477	0.697253	0.0385034
0.177615	1.42284	0.0805134	0.674271	0.0538832	0.715939	0.0350569
0.161862	1.428	0.0791623	0.676304	0.0578812	0.706813	0.0392494
0.148426	1.4341	0.0826446	0.680857	0.0633094	0.706298	0.0384029
0.178968	1.42731	0.0904582	0.675371	0.049972	0.723015	0.0455593
0.175119	1.42123	0.0813506	0.671137	0.0564534	0.720855	0.0403153
0.169396	1.42402	0.0761734	0.679774	0.0531446	0.722385	0.0356037
0.178347	1.43277	0.0802456	0.666996	0.0553267	0.724746	0.0381882
0.156199	1.43029	0.0776472	0.674625	0.0606538	0.722913	0.0371799
0.149483	1.43258	0.0740146	0.679693	0.0592796	0.726121	0.0412048
0.153729	1.42644	0.0760987	0.683367	0.064441	0.745147	0.0393016
0.148997	1.42871	0.0804492	0.678533	0.0530732	0.738521	0.0434697
0.147587	1.43095	0.0898775	0.683492	0.0607816	0.749332	0.0449964
0.153141	1.42735	0.0733113	0.672703	0.0527252	0.74742	0.0384829
0.13044	1.43407	0.0822363	0.666256	0.0661105	0.758117	0.0426639
0.1327	1.43051	0.0703865	0.678221	0.0566225	0.763687	0.0439412
0.143774	1.42891	0.0738019	0.68928	0.0569503	0.75394	0.0444991
0.160439	1.42771	0.0750869	0.683008	0.0570962	0.755614	0.0322368
0.140228	1.42443	0.0743853	0.6862	0.0564705	0.742444	0.0479825
0.128434	1.421	0.064614	0.674476	0.0592512	0.75518	0.0360921
0.132323	1.41954	0.0602367	0.677305	0.0547401	0.753817	0.0426651
0.139347	1.42117	0.0639833	0.679967	0.0559991	0.748533	0.0390675
0.151528	1.43177	0.0715197	0.682718	0.0623105	0.745884	0.037312
0.137552	1.42573	0.0761374	0.683741	0.0482168	0.752362	0.0338552
0.148017	1.42565	0.0755555	0.675258	0.0495927	0.739711	0.0445456
0.126374	1.42398	0.0627133	0.677397	0.0512878	0.74545	0.0421443
0.131907	1.42435	0.0747298	0.684295	0.0660261	0.737237	0.0358137
0.124387	1.4239	0.0723194	0.682904	0.047258	0.736862	0.0375312
0.113901	1.43056	0.0707082	0.68522	0.0495224	0.728491	0.0494707
0.106511	1.43785	0.0728798	0.681095	0.0590283	0.735471	0.0364231
0.100003	1.43852	0.0726106	0.691886	0.0540961	0.744929	0.0349661
0.113532	1.43773	0.0664133	0.689904	0.0525229	0.738242	0.0434046
0.115479	1.44136	0.0591987	0.688596	0.0486318	0.745958	0.0407946
0.0973816	1.43503	0.066186	0.688698	0.0573378	0.74937	0.0488894
0.116596	1.44782	0.0673478	0.693072	0.0527958	0.742546	0.0436018

0.12733	1.46201	0.064085	0.701945	0.0493321	0.752577	0.0503197
0.103567	1.45823	0.073576	0.70256	0.0553229	0.759288	0.0411441
0.114731	1.46066	0.0518151	0.699135	0.0527816	0.76338	0.0416992
0.0864103	1.46554	0.0577179	0.706642	0.0553796	0.755107	0.0366157
0.102652	1.47524	0.0619933	0.70869	0.0532072	0.771793	0.0483243
0.110633	1.49206	0.0765503	0.710195	0.0557015	0.777158	0.0490705
0.108219	1.50115	0.0740523	0.724573	0.0514681	0.790668	0.0249848
0.0929882	1.49985	0.0736347	0.721568	0.0577958	0.789826	0.0467696
0.107978	1.50052	0.0613065	0.709895	0.0503488	0.795873	0.042744
0.0921147	1.5048	0.0565175	0.725835	0.059349	0.797704	0.0501656
0.109468	1.5107	0.0673994	0.728825	0.0576603	0.793442	0.0486732
0.0997048	1.5126	0.0724425	0.728089	0.0557355	0.815747	0.0361851
0.101014	1.51108	0.0677963	0.72819	0.0564205	0.810566	0.0509148
0.0949478	1.52205	0.0771082	0.724842	0.0529003	0.807529	0.0470599
0.124819	1.52687	0.081972	0.734444	0.056922	0.814768	0.0392135
0.114417	1.52307	0.0782438	0.729813	0.0568382	0.813457	0.042182
0.105116	1.53602	0.0827066	0.747336	0.0519527	0.814479	0.0383847
0.13312	1.53975	0.0826963	0.748136	0.0631964	0.810587	0.0491775
0.105803	1.54167	0.0769634	0.739059	0.0575539	0.812804	0.0396101
0.141253	1.54945	0.081095	0.746509	0.0661577	0.812312	0.0389265
0.119535	1.54151	0.0802948	0.744183	0.0691603	0.804545	0.0519286
0.126789	1.5529	0.0767267	0.739053	0.0626825	0.801772	0.042699
0.127347	1.55556	0.0695443	0.755672	0.0631265	0.812699	0.047273
0.133267	1.55205	0.0736161	0.743988	0.0629309	0.81481	0.0440766
0.118152	1.54619	0.07579	0.754696	0.0581053	0.803433	0.0438268
0.138595	1.55032	0.0696044	0.754305	0.0597397	0.801877	0.0475628
0.133465	1.55694	0.0637263	0.750389	0.0640989	0.797165	0.0493592
0.128714	1.55885	0.0688473	0.752321	0.063207	0.793631	0.045193
0.126074	1.55541	0.0702426	0.749311	0.0587598	0.801961	0.0436202
0.125741	1.55698	0.0640503	0.754446	0.0554944	0.799126	0.055086
0.140655	1.55154	0.0623909	0.752119	0.0655757	0.801564	0.0424261
0.127346	1.56089	0.0733978	0.749856	0.0666222	0.800035	0.0363693
0.129572	1.56661	0.0684013	0.759447	0.0644025	0.801081	0.0442136
0.119106	1.56384	0.0745823	0.759052	0.0639786	0.791772	0.0613219
0.124878	1.56047	0.0789593	0.76074	0.0654077	0.796291	0.0487655
0.120441	1.56229	0.0577207	0.756411	0.0605393	0.790899	0.0492933
0.120574	1.56481	0.0613023	0.75915	0.0538275	0.800428	0.0615938
0.110327	1.57068	0.0702538	0.761205	0.0597949	0.800733	0.0340748
0.125751	1.57142	0.0695562	0.763558	0.0704736	0.806813	0.0513196
0.116677	1.57608	0.0592985	0.757293	0.0562213	0.805177	0.0534771
0.0997382	1.58083	0.0669258	0.763829	0.0583867	0.802575	0.057773
0.112855	1.5721	0.0707836	0.766819	0.062463	0.797343	0.0462066
0.0964331	1.57163	0.0705061	0.768036	0.0559786	0.807705	0.0461591
0.120216	1.57596	0.0726533	0.75997	0.0598332	0.798517	0.0474374
0.0954949	1.57909	0.0770238	0.781376	0.0550849	0.803479	0.0445884
0.11373	1.57918	0.0786322	0.778394	0.0620065	0.808577	0.0468623
0.0996956	1.56716	0.0721334	0.769866	0.0529928	0.798053	0.043234

0.104135	1.56763	0.064515	0.779272	0.0519322	0.801878	0.0461123
0.122797	1.56109	0.0689022	0.780185	0.0637278	0.807569	0.0451369
0.130519	1.57561	0.0771475	0.788644	0.0664932	0.806562	0.0490311
0.12435	1.57767	0.0680973	0.777092	0.0500322	0.803807	0.0412602
0.110387	1.57506	0.0582271	0.786307	0.048273	0.7974	0.0400097
0.107734	1.57339	0.0658025	0.794014	0.0580038	0.794778	0.0465919
0.120612	1.57794	0.0636144	0.79036	0.0565468	0.802918	0.0450892
0.136106	1.57751	0.0662865	0.79721	0.0677277	0.806416	0.0410566
0.11363	1.58694	0.0732274	0.801145	0.053955	0.802711	0.0465478
0.123941	1.57748	0.0717567	0.809603	0.0646253	0.807226	0.0501288
0.142552	1.58299	0.0706363	0.805598	0.0612991	0.806218	0.0409289
0.118101	1.58174	0.0585242	0.818462	0.0719463	0.805016	0.0496787
0.15518	1.58502	0.0587863	0.818702	0.0603227	0.807084	0.0386712
0.160735	1.58493	0.071372	0.830341	0.0655625	0.808609	0.038869
0.147355	1.59009	0.0717941	0.824689	0.069106	0.80424	0.0401795
0.136205	1.58796	0.0698703	0.830984	0.070482	0.808446	0.0491096
0.127383	1.57521	0.0783181	0.824256	0.071608	0.80423	0.039639
0.140695	1.56836	0.0732019	0.822285	0.0707647	0.799663	0.0424809
0.154621	1.56857	0.0690545	0.828928	0.0536488	0.81345	0.0494668
0.145037	1.56341	0.068504	0.831632	0.075699	0.800727	0.0432205
0.139299	1.5549	0.0649954	0.821443	0.065727	0.803284	0.0463589
0.156506	1.57361	0.076402	0.829545	0.0597551	0.802543	0.0419754
0.118228	1.56426	0.0695018	0.814159	0.0749875	0.805624	0.0472321
0.166047	1.56258	0.0655978	0.807905	0.0682965	0.790529	0.0390317
0.129375	1.55306	0.0681627	0.805571	0.0529738	0.794593	0.0492651
0.128036	1.55747	0.0533595	0.802881	0.0661912	0.798747	0.0382495
0.153714	1.55044	0.0567079	0.78638	0.0572224	0.803587	0.0590674
0.136165	1.55177	0.0594334	0.788948	0.0588802	0.792952	0.0479382
0.130034	1.5511	0.0594069	0.799351	0.0520464	0.803411	0.0463048
0.120909	1.54476	0.0647086	0.780732	0.0497616	0.797103	0.0429976
0.121381	1.54006	0.0723961	0.796192	0.0523929	0.805882	0.0503047
0.122273	1.54432	0.0712991	0.781112	0.0511034	0.800564	0.0374798
0.116813	1.53103	0.0677252	0.781111	0.0421346	0.795236	0.0468855
0.121112	1.53726	0.0651253	0.767379	0.0506091	0.790283	0.0436326
0.107763	1.53675	0.0654749	0.767135	0.0460797	0.791099	0.0462539
0.0930421	1.53696	0.0667607	0.763834	0.0415229	0.79101	0.037477
0.128549	1.53587	0.0634537	0.779912	0.0491864	0.78892	0.0345875
0.108321	1.53982	0.0550708	0.781744	0.0422293	0.776443	0.0395642
0.115789	1.53355	0.0654397	0.764008	0.0463258	0.799896	0.0520658
0.133302	1.52896	0.0613919	0.777059	0.0389091	0.797168	0.045362
0.109531	1.5335	0.0576506	0.768997	0.0425294	0.789252	0.0458159
0.101351	1.53498	0.0557406	0.777057	0.0447304	0.779545	0.0417192
0.12186	1.53502	0.0617743	0.770315	0.0480907	0.798378	0.0417272
0.127702	1.53488	0.0604936	0.771572	0.0489533	0.791945	0.0410373
0.12629	1.53853	0.0555329	0.765965	0.0484983	0.780523	0.0374345
0.121473	1.53337	0.0666688	0.766403	0.0452696	0.793591	0.0415964
0.117611	1.53945	0.0588993	0.771906	0.0488304	0.783305	0.0399279

0.134219	1.53108	0.0667765	0.763935	0.0523155	0.785684	0.0445043
0.134347	1.52848	0.0701449	0.769154	0.0435145	0.80099	0.0461264
0.125737	1.54123	0.0624605	0.772706	0.0464552	0.793613	0.0459674
0.0937242	1.5386	0.0581081	0.778956	0.0550613	0.811638	0.0466851
0.107025	1.53422	0.0558564	0.778468	0.0635104	0.802683	0.0372577
0.102598	1.53267	0.0518984	0.777767	0.0522141	0.811126	0.0515974
0.124164	1.532	0.0609812	0.775592	0.0492324	0.813369	0.0538791
0.113545	1.53864	0.0635382	0.792342	0.0571504	0.822516	0.050985
0.0962854	1.52811	0.0605505	0.780608	0.0580237	0.823679	0.0382978
0.0916729	1.5312	0.0654952	0.782932	0.0491395	0.820683	0.0472139
0.122175	1.52481	0.0703936	0.782882	0.0525794	0.834329	0.0486966
0.119316	1.53179	0.0608043	0.787682	0.0552238	0.838448	0.0552162
0.108993	1.53094	0.0643771	0.791934	0.0524261	0.836264	0.0475845
0.122923	1.53292	0.0561144	0.793335	0.0630411	0.83189	0.0424029
0.126043	1.53059	0.0593528	0.791985	0.0656933	0.840648	0.0534698
0.117316	1.52673	0.0678479	0.797435	0.0629854	0.841905	0.0488257
0.0966087	1.5197	0.0673275	0.798116	0.0680535	0.846002	0.0545543
0.111149	1.51803	0.0700699	0.790168	0.0661879	0.824411	0.0635993
0.117772	1.50372	0.0607611	0.793897	0.060715	0.849549	0.0600047
0.117138	1.50433	0.0510343	0.796367	0.0632465	0.836271	0.0531544
0.102703	1.50482	0.0547119	0.782362	0.0533161	0.829873	0.0651703
0.119977	1.5075	0.061281	0.777732	0.0595509	0.824838	0.0545876
0.105531	1.50015	0.0587242	0.776193	0.0529735	0.824902	0.0551116
0.126841	1.49402	0.0558405	0.773407	0.0636627	0.805467	0.056041
0.116562	1.49149	0.0517557	0.770556	0.0578345	0.797621	0.0499634
0.111971	1.49072	0.0596235	0.767164	0.0475061	0.801479	0.0592235
0.109037	1.48207	0.0596705	0.758278	0.0498877	0.794264	0.0599751
0.104749	1.49471	0.0559577	0.763949	0.0481993	0.779729	0.0542444
0.109255	1.48922	0.0521746	0.757874	0.0414251	0.77721	0.0485145
0.11438	1.48055	0.047977	0.753478	0.0453979	0.781762	0.0607356
0.0945218	1.47757	0.0621726	0.748391	0.0484535	0.771867	0.0477799
0.10174	1.4862	0.062023	0.75371	0.0499029	0.761806	0.0504145
0.107972	1.47955	0.0602048	0.744635	0.0568326	0.764948	0.0422283
0.123813	1.46933	0.0607988	0.752556	0.0496103	0.756094	0.0409968
0.0952014	1.46772	0.0541214	0.756894	0.0556572	0.763287	0.0471034
0.135145	1.46862	0.0547373	0.74769	0.0519924	0.753339	0.0411459
0.103407	1.46153	0.0588223	0.746542	0.054731	0.753225	0.0422874
0.107641	1.47377	0.0507262	0.739047	0.0503094	0.760197	0.0576463
0.118156	1.48108	0.0490915	0.736207	0.051418	0.760412	0.0445954
0.0897647	1.46726	0.0548435	0.744451	0.0524598	0.760693	0.0371283
0.109571	1.44943	0.0502261	0.741	0.0580138	0.741443	0.0387979
0.117554	1.45583	0.0599534	0.740248	0.0566227	0.755355	0.0435005
0.104986	1.46923	0.059348	0.734245	0.0505046	0.745192	0.0413415
0.119706	1.46739	0.0600514	0.738171	0.0551344	0.747067	0.0438906
0.100902	1.46567	0.0590657	0.739293	0.0547999	0.746533	0.0405718
0.116636	1.45815	0.0585188	0.742295	0.0559217	0.746096	0.0447626
0.116317	1.44938	0.0560432	0.738646	0.0473141	0.752568	0.0391208

0.114914	1.45371	0.0545629	0.732818	0.0504899	0.745195	0.0398837
0.130613	1.45288	0.0580172	0.737833	0.0430191	0.745103	0.042018
0.120375	1.4571	0.0584201	0.731133	0.0615085	0.740647	0.037223
0.117448	1.45596	0.0553873	0.737333	0.0544944	0.736876	0.0447853
0.120181	1.4581	0.0629995	0.73952	0.0488411	0.741673	0.0396074
0.13542	1.4483	0.0562951	0.733849	0.0502776	0.741609	0.0463985
0.123395	1.4526	0.0526361	0.723043	0.0559598	0.741791	0.0439341
0.109578	1.45505	0.0588559	0.722679	0.0531836	0.754304	0.0444128
0.116429	1.45333	0.0628687	0.732335	0.0530789	0.738958	0.0388653
0.127539	1.45306	0.0606069	0.726365	0.0531308	0.745253	0.0372756
0.141349	1.44904	0.0611978	0.735287	0.0441106	0.748884	0.0383395
0.110686	1.45304	0.0702767	0.726486	0.0423018	0.727948	0.0312685
0.119289	1.44245	0.0610482	0.716734	0.0449344	0.738494	0.0375602
0.12643	1.43848	0.0584353	0.731278	0.0486147	0.731843	0.0337077
0.133294	1.44612	0.0598928	0.72637	0.0554235	0.735571	0.038458
0.120555	1.44431	0.0626223	0.722173	0.051607	0.726496	0.0358794
0.116849	1.44583	0.0622106	0.733304	0.048825	0.727046	0.0330033
0.127674	1.45108	0.0608255	0.727789	0.0406132	0.722478	0.0422693
0.1346	1.44883	0.0625487	0.725192	0.0427397	0.726108	0.0300383
0.118696	1.44524	0.0556799	0.727931	0.0503624	0.715039	0.0359449
0.119205	1.44488	0.0528755	0.722378	0.0402644	0.715462	0.0388813
0.127663	1.44211	0.0530483	0.725321	0.0457366	0.730783	0.0328245
0.113933	1.43794	0.0603954	0.71587	0.0477017	0.722759	0.0314694
0.133134	1.44337	0.0675583	0.72142	0.0503917	0.722292	0.032909
0.123874	1.44552	0.0547399	0.717727	0.0502287	0.727508	0.0411293
0.117315	1.44608	0.0547304	0.724234	0.0438371	0.726391	0.0338682
0.114393	1.44548	0.054883	0.715634	0.0552907	0.715543	0.0355487
0.112568	1.44961	0.0563291	0.719113	0.0427315	0.718196	0.0401164
0.109852	1.45263	0.0577055	0.716042	0.0480262	0.722044	0.0371636
0.10579	1.44504	0.055743	0.714085	0.0525491	0.719988	0.027324
0.106494	1.44864	0.057704	0.724451	0.0407932	0.723548	0.0384499
0.106722	1.44982	0.0552133	0.720981	0.0472071	0.712051	0.0356444
0.112546	1.44288	0.0518074	0.715406	0.0451563	0.718495	0.0349925
0.101032	1.44106	0.0511899	0.725979	0.0548072	0.716048	0.0369409
0.100331	1.44964	0.0512486	0.713557	0.0386812	0.729548	0.0321596
0.108138	1.44274	0.0471421	0.715368	0.0395173	0.722097	0.0320038
0.112448	1.43545	0.0531765	0.716685	0.0491949	0.726867	0.0388908
0.10246	1.44043	0.0523568	0.708658	0.0399995	0.725204	0.0323259
0.090305	1.44907	0.0527732	0.711863	0.0516793	0.716204	0.0326056
0.106735	1.4467	0.0535375	0.712235	0.0487612	0.717183	0.0333776
0.118077	1.44343	0.0608723	0.717225	0.0433395	0.72088	0.041923
0.096478	1.45058	0.0523891	0.713871	0.0460109	0.712876	0.042581
0.0832042	1.44363	0.0508161	0.711503	0.0473238	0.722856	0.0366014
0.117023	1.43842	0.0532124	0.701758	0.0463577	0.711417	0.0455133
0.0926013	1.44248	0.0579004	0.714115	0.0435705	0.717366	0.0452398
0.100939	1.44724	0.0596303	0.713043	0.0452317	0.72077	0.0391757
0.120275	1.44093	0.0566159	0.711543	0.0464278	0.708272	0.0392626

0.0939606	1.44359	0.0616014	0.708812	0.0369639	0.721427	0.0378637
0.0842214	1.45007	0.062405	0.70272	0.0426486	0.708915	0.0300002
0.0999885	1.43869	0.0611387	0.715645	0.0480288	0.703048	0.0322299
0.110293	1.4322	0.0607602	0.707316	0.0478565	0.70996	0.0336835
0.0776421	1.43642	0.056165	0.712483	0.0442152	0.712322	0.0482027
0.0915889	1.44318	0.0667222	0.712262	0.0404747	0.706357	0.0360474
0.086063	1.4446	0.0705593	0.713571	0.0413902	0.709612	0.0293688
0.101992	1.43383	0.0660199	0.703638	0.0456606	0.714095	0.0390504
0.0746534	1.43732	0.0646394	0.70297	0.0426774	0.713744	0.04198
0.0855542	1.44026	0.0710845	0.712357	0.0462822	0.720351	0.0346563
0.108161	1.44099	0.0664617	0.706174	0.0451315	0.707926	0.0366404
0.101956	1.44192	0.0636711	0.70777	0.0499448	0.708499	0.0393154
0.0910303	1.43313	0.0686477	0.711913	0.0403623	0.708991	0.0369952
0.0939386	1.43238	0.0681786	0.706604	0.039825	0.704686	0.0365297
0.0945612	1.43492	0.0659388	0.709312	0.0498011	0.704779	0.0271222
0.0961785	1.43405	0.0602211	0.704673	0.0329015	0.711034	0.047597
0.0952835	1.43015	0.0538639	0.709054	0.0407793	0.715312	0.0391871
0.0975665	1.42829	0.0679791	0.699821	0.034378	0.707416	0.0311132
0.0833344	1.42968	0.0701344	0.706547	0.0406763	0.704723	0.0428949
0.0986814	1.43243	0.0627319	0.700816	0.0352045	0.704986	0.0397759
0.102459	1.42978	0.063488	0.701931	0.042045	0.709106	0.0370273
0.102086	1.43046	0.0650735	0.698764	0.0430619	0.708581	0.0397009
0.0907508	1.42747	0.0607949	0.70484	0.0438915	0.705243	0.0355643
0.084617	1.42464	0.0593368	0.694686	0.0365648	0.701459	0.0341421
0.0800393	1.42835	0.0558812	0.71293	0.0318291	0.702776	0.0411242
0.0893979	1.43225	0.0626138	0.701373	0.0441493	0.715643	0.0378789
0.0848255	1.43469	0.0676252	0.708654	0.034705	0.705705	0.0321479
0.10123	1.42808	0.0608416	0.713249	0.0427223	0.70646	0.0341822
0.0834103	1.43078	0.0573655	0.70319	0.0415474	0.713435	0.0447263
0.08442	1.43152	0.0618994	0.707951	0.0414091	0.706478	0.0435314
0.092184	1.43013	0.0700764	0.698384	0.0468413	0.711652	0.0388516
0.0847422	1.42726	0.0681325	0.703888	0.0408153	0.706329	0.0365042
0.10528	1.42626	0.0660946	0.716766	0.045921	0.710823	0.0448864
0.088319	1.43071	0.066968	0.698231	0.0444724	0.697274	0.040783
0.0879489	1.42432	0.0626167	0.70237	0.040989	0.719305	0.0316244
0.0747808	1.42808	0.0545267	0.708323	0.044114	0.703831	0.0297215
0.107153	1.43291	0.0533226	0.701672	0.0456043	0.710519	0.0349561
0.0922435	1.43258	0.0547848	0.706459	0.0466093	0.70611	0.0350053
0.0946685	1.43331	0.0627637	0.70808	0.0395232	0.709816	0.0433641
0.0831862	1.42854	0.0692448	0.694842	0.0477242	0.717435	0.0387902
0.0808928	1.42404	0.067044	0.708871	0.0436945	0.706019	0.0503785
0.0936033	1.42579	0.0651897	0.710633	0.0454222	0.714552	0.0438861
0.0909978	1.4285	0.0662643	0.701262	0.0507984	0.702076	0.0301835
0.0899109	1.4258	0.0579193	0.710524	0.0468911	0.70807	0.0410478
0.0869359	1.4187	0.0516015	0.704519	0.0323442	0.705759	0.0343498
0.102791	1.41786	0.0571067	0.704325	0.038557	0.69322	0.0435681
0.103897	1.4193	0.0615703	0.6882	0.039008	0.70776	0.0305519

0.111141	1.41779	0.0572319	0.702602	0.0407582	0.707954	0.0361382
0.0930845	1.42381	0.0564567	0.710208	0.0353545	0.69587	0.0412692
0.100337	1.42428	0.058445	0.711408	0.0352387	0.696859	0.041147
0.0970268	1.42523	0.0537068	0.708877	0.0526105	0.697988	0.0345394
0.0934533	1.42188	0.05259	0.688264	0.0354081	0.690446	0.0323362
0.102269	1.41116	0.0492129	0.700696	0.0445768	0.691817	0.0348633
0.103097	1.41164	0.0474799	0.704712	0.0420848	0.698726	0.0396029
0.0917362	1.41244	0.0506337	0.704338	0.0347312	0.698793	0.0304982
0.0870884	1.41048	0.047564	0.710483	0.0362231	0.694688	0.0396707
0.0914956	1.40736	0.0410239	0.701478	0.0327707	0.701924	0.0396269
0.0828858	1.40345	0.0459529	0.705594	0.0414773	0.689736	0.0389484
0.0814288	1.40104	0.0569702	0.698025	0.0385372	0.68755	0.0389658
0.0839852	1.40193	0.0569253	0.696273	0.0389343	0.677546	0.0379909
0.0635735	1.40638	0.0517255	0.699004	0.0446172	0.68621	0.0382456
0.0941396	1.40429	0.0524744	0.697212	0.0332009	0.689365	0.0387463
0.0809527	1.39767	0.0545313	0.686953	0.0435552	0.683576	0.0422947
0.066298	1.39922	0.0539372	0.68505	0.0411085	0.6898	0.0387223
0.085098	1.40097	0.0496372	0.689762	0.0285716	0.683834	0.0367775
0.0920013	1.39478	0.0478433	0.690435	0.0374579	0.681249	0.0302107
0.0750664	1.39054	0.0516981	0.682171	0.0425431	0.688506	0.0430949
0.075285	1.38561	0.0553938	0.676238	0.0315671	0.67548	0.036499
0.0833774	1.37985	0.0547451	0.689547	0.0415949	0.680883	0.0356976
0.101601	1.37685	0.0480913	0.686722	0.0427786	0.672187	0.0353369
0.0944045	1.377	0.0458378	0.683823	0.036541	0.676625	0.0382414
0.0918071	1.3787	0.047658	0.684354	0.0384494	0.682983	0.0410309
0.0989941	1.3807	0.0481636	0.69172	0.0399527	0.667443	0.0365098
0.0720013	1.3806	0.0509647	0.686749	0.0380663	0.678116	0.0380251
0.0953796	1.37743	0.0477988	0.674093	0.0368449	0.666854	0.0437418
0.0773762	1.3812	0.0433423	0.684769	0.0424707	0.669187	0.033523
0.0856515	1.37822	0.049098	0.693087	0.041588	0.672567	0.0362368
0.0839852	1.36886	0.0499625	0.674342	0.0376929	0.669445	0.0304569
0.102915	1.36196	0.048627	0.687362	0.038992	0.670334	0.0345338
0.0890668	1.3511	0.0485462	0.678928	0.0396002	0.671008	0.0357837
0.100101	1.35325	0.0461845	0.683736	0.0288632	0.675785	0.0338475
0.100848	1.35538	0.0447136	0.680473	0.0370245	0.676351	0.0387953
0.0958809	1.34795	0.0417582	0.679801	0.0389532	0.663388	0.0336504
0.0869473	1.34859	0.0397262	0.674091	0.0345715	0.668891	0.03388
0.0900176	1.35188	0.0453627	0.683908	0.0347493	0.665998	0.0431302
0.0965016	1.34831	0.0438496	0.677492	0.0345978	0.667345	0.0403247
0.111044	1.34279	0.0431634	0.678682	0.0417489	0.659188	0.0260266
0.102288	1.34259	0.0501032	0.668356	0.0322185	0.649725	0.0395195
0.115255	1.34077	0.0511664	0.667002	0.0371394	0.664454	0.0306287
0.111153	1.33221	0.0490672	0.676557	0.0310664	0.654895	0.0343323
0.115234	1.32616	0.0439368	0.670007	0.043694	0.658756	0.0397719
0.116095	1.3326	0.0443122	0.675206	0.0325685	0.648842	0.0350391
0.117553	1.32808	0.0458225	0.666336	0.0370152	0.660341	0.0389992
0.110593	1.32214	0.0471637	0.662234	0.0393488	0.655538	0.0336554

0.121764	1.32455	0.0474255	0.662765	0.0386788	0.651129	0.0395824
0.13066	1.31344	0.0465202	0.662807	0.0352626	0.658852	0.0350145
0.124806	1.31236	0.0548358	0.660699	0.0387252	0.648503	0.0451047
0.116169	1.31701	0.0440938	0.664908	0.0303001	0.645317	0.0342461
0.132494	1.30741	0.0370866	0.657695	0.034679	0.646222	0.0332672
0.12832	1.29996	0.0426088	0.659454	0.0404995	0.65101	0.0331829
0.100938	1.29832	0.0400102	0.64918	0.0397684	0.655495	0.0382063
0.114661	1.29391	0.0422849	0.650616	0.0367764	0.640721	0.0362784
0.142009	1.29404	0.0455336	0.657215	0.0303267	0.639142	0.0329983
0.102742	1.29112	0.0514845	0.656295	0.0369011	0.640073	0.0234456
0.102448	1.28606	0.0429055	0.648343	0.0374234	0.640201	0.0316082
0.112877	1.2886	0.0368601	0.645493	0.0417361	0.628811	0.0371566
0.120204	1.29091	0.0439749	0.649132	0.0356741	0.637475	0.0361977
0.0937429	1.29	0.0448191	0.653296	0.0358702	0.639892	0.0324678
0.132092	1.28949	0.0463644	0.645241	0.0392723	0.632864	0.0388697
0.105841	1.28256	0.0475854	0.645778	0.0430778	0.633163	0.0311302
0.109382	1.27832	0.0485041	0.643876	0.0305927	0.623358	0.0297944
0.0986863	1.27303	0.0477047	0.649457	0.0434509	0.641232	0.0300353
0.0848537	1.26334	0.0446719	0.630073	0.0262246	0.623468	0.0278704
0.107542	1.26619	0.0495323	0.634629	0.0387835	0.620549	0.0265695
0.10933	1.27555	0.0463816	0.632629	0.0366656	0.628093	0.034993
0.0767579	1.27203	0.0474896	0.636568	0.0336887	0.623285	0.0316096
0.123485	1.26655	0.0452769	0.634687	0.0343284	0.630536	0.0317789
0.101539	1.26389	0.0453247	0.638589	0.0289661	0.621599	0.0355444
0.120757	1.26292	0.0494345	0.641129	0.0300482	0.626974	0.0276797
0.121374	1.26179	0.0491146	0.634949	0.0406403	0.628314	0.0285436
0.139132	1.26725	0.0462614	0.63457	0.0361106	0.621101	0.0290496
0.14786	1.26181	0.0423614	0.632954	0.0388922	0.632231	0.0355163
0.171164	1.25182	0.0397695	0.63022	0.038676	0.631681	0.0373888
0.193526	1.2578	0.0410193	0.627513	0.0356612	0.646315	0.0312616
0.247582	1.25569	0.0404354	0.637804	0.0337322	0.63748	0.0302564
0.263696	1.2572	0.0432561	0.635656	0.0329598	0.634947	0.0400308
0.301069	1.26035	0.0485941	0.632457	0.0323479	0.636765	0.0330026
0.367921	1.25187	0.0477282	0.620578	0.0443002	0.642379	0.0297983
0.457773	1.24381	0.0462035	0.62931	0.036889	0.644444	0.0301814
0.544134	1.23931	0.0447766	0.626925	0.0383305	0.645415	0.0239017
0.61111	1.23966	0.0479479	0.637331	0.0379938	0.643675	0.0293549
0.775703	1.23323	0.0394006	0.633383	0.037907	0.647648	0.0247844
0.905482	1.22799	0.0444086	0.631661	0.0344462	0.649411	0.0333066
1.03042	1.22743	0.0482201	0.623174	0.0399218	0.642735	0.0403567
1.25979	1.22959	0.043825	0.630183	0.0394075	0.644019	0.0336604
1.45157	1.22922	0.049796	0.621751	0.0327154	0.654031	0.0309568
1.64597	1.22865	0.042481	0.623846	0.0332633	0.648715	0.0330369
1.8613	1.22818	0.0372315	0.623411	0.0290942	0.64805	0.0314094
2.05954	1.22641	0.0446238	0.622175	0.0322717	0.650809	0.0302424
2.30303	1.22634	0.0430132	0.61582	0.0371494	0.647098	0.0301503
2.52664	1.22403	0.0382491	0.618534	0.0414334	0.646057	0.037371



2.64708	1.21732	0.0387648	0.619539	0.0381463	0.647917	0.0427563
2.85552	1.21144	0.0426931	0.615855	0.0314918	0.648256	0.0295209
2.9436	1.21871	0.0484709	0.615472	0.0280206	0.65567	0.0374932
3.13415	1.21172	0.0442949	0.618943	0.0351935	0.652338	0.0358214
3.18473	1.20188	0.038266	0.615694	0.0382387	0.645687	0.0320862
3.27805	1.20438	0.0406414	0.621583	0.0295541	0.645814	0.0329423
3.1794	1.1977	0.0452878	0.621093	0.0400778	0.63877	0.0351166
3.2049	1.19896	0.0412365	0.612823	0.031728	0.638136	0.0407829
3.15581	1.2016	0.0433144	0.614414	0.0375489	0.649966	0.0302774
2.92544	1.19239	0.0420737	0.606068	0.0338892	0.640013	0.0346894
2.81208	1.18456	0.0387743	0.615071	0.0338894	0.62722	0.0347962
2.62761	1.18989	0.0387616	0.60626	0.0335584	0.636043	0.0233067
2.42302	1.18603	0.0414131	0.605911	0.0358204	0.635739	0.0424043
2.20952	1.18289	0.0399852	0.608238	0.0375094	0.627804	0.0275227
2.06231	1.18746	0.0394933	0.604042	0.0369318	0.608782	0.0269517
1.70888	1.18411	0.0347292	0.600434	0.0302122	0.613611	0.0269963
1.55105	1.18499	0.0350125	0.600592	0.0424811	0.610043	0.0363631
1.32821	1.18179	0.0376538	0.598649	0.0296819	0.60587	0.0358204
1.13807	1.18205	0.0403792	0.586968	0.0266326	0.596864	0.0221463
0.983309	1.17823	0.0416415	0.6007	0.0302499	0.596658	0.0335061
0.815623	1.17295	0.0428417	0.601306	0.0373753	0.588801	0.0290933
0.737745	1.16431	0.0408649	0.585992	0.0377624	0.591407	0.0354479
0.568641	1.15245	0.0398811	0.597308	0.0292843	0.589551	0.0369605
0.458828	1.14778	0.0367321	0.59298	0.0343232	0.589792	0.0229101
0.3762	1.14771	0.0402464	0.59546	0.0287628	0.594297	0.0333934
0.295295	1.14143	0.0390267	0.586606	0.0308155	0.577949	0.026002
0.251799	1.14904	0.0454263	0.588334	0.0332392	0.584366	0.037819
0.218094	1.14721	0.047414	0.58236	0.0276027	0.573505	0.0282392
0.169754	1.13532	0.0437373	0.575531	0.0245452	0.573374	0.0279674
0.130181	1.13318	0.0474821	0.579485	0.0274258	0.567476	0.0300739
0.144582	1.13011	0.0371114	0.584674	0.037816	0.568268	0.03263
0.109767	1.12587	0.0425994	0.57808	0.0386217	0.569458	0.0260791
0.0917397	1.12134	0.041478	0.57527	0.0334841	0.567356	0.0242645
0.0849886	1.12323	0.0388567	0.569083	0.0271563	0.567197	0.0278374
0.0962389	1.11955	0.0342347	0.568567	0.0321331	0.568997	0.0255178
0.0976248	1.10813	0.0374481	0.571145	0.0418494	0.560981	0.0322487
0.0667772	1.10662	0.0398175	0.568055	0.0306499	0.564754	0.0271755
0.0793177	1.10932	0.0379554	0.565448	0.0302939	0.564424	0.0267492
0.0932561	1.11169	0.0327562	0.562594	0.0307871	0.551263	0.0351726
0.0847462	1.11206	0.0368962	0.562348	0.0268158	0.562397	0.0304819
0.0808763	1.10958	0.0355342	0.560285	0.027625	0.562745	0.0268183
0.0972219	1.10407	0.033239	0.561679	0.0358705	0.567264	0.0272288
0.0730407	1.10054	0.0385399	0.560585	0.0209071	0.561813	0.0243766
0.0943243	1.09297	0.0427998	0.561157	0.0311355	0.561021	0.0254645
0.0894272	1.09562	0.0425609	0.554678	0.035197	0.554965	0.0245457
0.0748405	1.09804	0.0437915	0.563027	0.0318454	0.56858	0.0321969
0.0810419	1.09429	0.0409617	0.555545	0.0252018	0.56722	0.0212145

0.0886521	1.09041	0.035411	0.561254	0.0273942	0.581944	0.0278186
0.1251	1.09362	0.0340454	0.559634	0.0290692	0.59107	0.0289373
0.119815	1.09859	0.0456682	0.565122	0.0245927	0.593245	0.0372034
0.142889	1.0939	0.0464831	0.575789	0.0344069	0.608365	0.0313305
0.189147	1.08507	0.0384128	0.57068	0.0285438	0.618517	0.0361685
0.18405	1.08552	0.0321804	0.566301	0.0375976	0.619547	0.0320458
0.17315	1.09018	0.0410703	0.57592	0.0319609	0.650298	0.0309435
0.254773	1.09175	0.0460985	0.57747	0.0296528	0.66052	0.0365374
0.254246	1.09243	0.0424833	0.568147	0.023575	0.663748	0.0330116
0.301366	1.09582	0.0425474	0.578589	0.0310268	0.682468	0.0331501
0.354547	1.09666	0.0413641	0.583165	0.032244	0.690537	0.0363073
0.40947	1.09994	0.0409002	0.589926	0.029986	0.703173	0.0393528
0.425118	1.0998	0.0472461	0.591497	0.0315321	0.71835	0.0286891
0.497074	1.09428	0.0410081	0.595081	0.0376407	0.728671	0.0283762
0.508554	1.0834	0.0400868	0.599664	0.0279214	0.727396	0.0305934
0.589033	1.08354	0.0466132	0.592441	0.0291183	0.738715	0.0352586
0.6463	1.08885	0.047766	0.601189	0.0317899	0.73387	0.027196
0.679752	1.08136	0.0445354	0.603122	0.0302052	0.748683	0.0306015
0.739567	1.0754	0.0397121	0.60104	0.0291126	0.738722	0.0426365
0.784587	1.06367	0.0407103	0.603086	0.033343	0.741363	0.0389861
0.822	1.07028	0.0426148	0.601036	0.0321403	0.72634	0.0395776
0.859581	1.06924	0.0398985	0.585429	0.0313096	0.713327	0.036719
0.856775	1.06153	0.0385777	0.58271	0.0328563	0.698326	0.0322881
0.891109	1.05494	0.0348802	0.5849	0.0283292	0.689774	0.0380274
0.896958	1.04964	0.0384269	0.576596	0.0333576	0.67875	0.0413512
0.884145	1.04544	0.0346073	0.572757	0.0335762	0.669127	0.0297553
0.828954	1.04268	0.0327783	0.568982	0.0310892	0.656739	0.023745
0.827294	1.0379	0.033478	0.563003	0.0281782	0.632083	0.0335872
0.785922	1.03699	0.0308571	0.563215	0.0261628	0.622463	0.0260879
0.775906	1.03101	0.0275941	0.552125	0.0273525	0.612715	0.0342167
0.691692	1.02365	0.0334749	0.545786	0.0328932	0.602831	0.0282029
0.630661	1.02108	0.0382108	0.541412	0.0260563	0.58583	0.024058
0.565208	1.02505	0.0424249	0.542036	0.0267737	0.574448	0.0330356
0.546689	1.021	0.0369895	0.539039	0.0306272	0.572475	0.0365318
0.4416	1.01809	0.0320007	0.540047	0.0322354	0.553166	0.0274394
0.425172	1.02446	0.0334486	0.533162	0.0270018	0.545719	0.0341688
0.368043	1.02003	0.0371281	0.519094	0.0285073	0.534192	0.0309347
0.324495	1.01101	0.032105	0.529307	0.0320441	0.531175	0.0273708
0.262367	1.00743	0.0314257	0.528213	0.0305746	0.532945	0.0237351
0.204157	1.00376	0.0343616	0.523665	0.0287829	0.519223	0.0287663
0.192404	1.00383	0.0391575	0.522634	0.029289	0.521777	0.0276957
0.198821	1.00416	0.0410451	0.517844	0.0293813	0.518049	0.0297293
0.146839	0.999259	0.0382439	0.519167	0.0285114	0.525199	0.029378
0.129758	1.00184	0.0307479	0.524983	0.0261598	0.521158	0.0336887
0.119906	1.00225	0.0322748	0.522673	0.0248386	0.512147	0.0333258
0.0950385	1.00283	0.0331524	0.513186	0.0331692	0.522159	0.0293272
0.0936402	0.997656	0.030806	0.511912	0.0275873	0.50957	0.0336619

0.0777605	0.995641	0.0248131	0.507538	0.0314702	0.510631	0.0306905
0.0868432	1.00018	0.0274932	0.506082	0.0331467	0.517521	0.0280041
0.0673065	1.00103	0.0285663	0.513611	0.0284657	0.518715	0.0227337
0.0839607	0.994646	0.0337611	0.508998	0.0303382	0.513087	0.0225682
0.0576869	0.989575	0.0268119	0.510376	0.0254544	0.500917	0.0311938
0.0557535	0.994026	0.0292375	0.508439	0.0308078	0.511113	0.0306995
0.0669254	0.986697	0.0312665	0.511828	0.0257597	0.509965	0.0238229
0.0534328	0.985704	0.0378245	0.502898	0.0306536	0.500635	0.0256
0.0574546	0.986157	0.0369664	0.498732	0.0275059	0.507395	0.0352704
0.06157	0.985242	0.0355686	0.511228	0.0283829	0.499903	0.0237093
0.0618464	0.986021	0.0314934	0.500227	0.0240717	0.498078	0.0220636
0.0669563	0.984	0.0292699	0.502894	0.0269589	0.50103	0.0341259
0.0550048	0.983025	0.0302248	0.504987	0.0344568	0.492419	0.0321105
0.0623739	0.97959	0.0342939	0.49372	0.0258949	0.498776	0.020413
0.0594516	0.989415	0.0348635	0.501125	0.0299033	0.500619	0.0264417
0.0656972	0.985847	0.0339773	0.504234	0.026278	0.501326	0.0238557
0.0807908	0.97992	0.0308538	0.507019	0.0251673	0.49496	0.0247089
0.0745334	0.985873	0.0341175	0.495599	0.0321173	0.498029	0.0255838
0.0605111	0.985581	0.0282959	0.49852	0.0267587	0.502293	0.0262693
0.0736016	0.985735	0.0296775	0.500766	0.0283596	0.502263	0.0273452
0.0610092	0.995959	0.0314054	0.498589	0.0316555	0.509547	0.0288777
0.0596503	1.00212	0.0293362	0.506157	0.0241281	0.49874	0.0289097
0.0690135	1.01507	0.0357827	0.506052	0.0277745	0.496133	0.0292669
0.0754769	1.03533	0.0288714	0.51268	0.0285148	0.499395	0.0275495
0.0585721	1.03935	0.0350804	0.509427	0.0247627	0.510475	0.0297807
0.0789442	1.05267	0.036399	0.517518	0.0266684	0.508793	0.0252758
0.0791659	1.0735	0.0386439	0.513086	0.0252351	0.513902	0.0204485
0.0659972	1.09941	0.0370176	0.523538	0.0265218	0.521085	0.0347628
0.0815162	1.11994	0.040708	0.537775	0.0251959	0.528297	0.0227271
0.0758593	1.15043	0.0463005	0.548344	0.025859	0.526328	0.0237673
0.0755625	1.177	0.0367798	0.560166	0.0243233	0.547126	0.0307846
0.0812186	1.21044	0.0388332	0.574344	0.029582	0.547777	0.0300401
0.0747864	1.2479	0.0394834	0.587802	0.0308331	0.569014	0.0342412
0.108779	1.27617	0.0433167	0.602877	0.0322254	0.580434	0.0305591
0.100156	1.30305	0.0483299	0.619771	0.0355966	0.59682	0.0337179
0.112132	1.33558	0.0497461	0.64098	0.0359484	0.601878	0.0323842
0.117632	1.35695	0.0557929	0.665854	0.0340825	0.624447	0.0399849
0.132728	1.38296	0.0552849	0.693647	0.0444446	0.635083	0.0280732
0.12888	1.40543	0.0590002	0.714338	0.0350941	0.660092	0.036398
0.153683	1.42928	0.0590506	0.746032	0.0444739	0.668935	0.038271
0.12878	1.43847	0.062565	0.756033	0.04026	0.678959	0.0380035
0.131847	1.44415	0.0612564	0.786891	0.0496505	0.702156	0.0384283
0.132497	1.4448	0.0663833	0.805832	0.0480736	0.710537	0.0456257
0.161418	1.43298	0.0709873	0.817973	0.0330012	0.726272	0.0357718
0.13577	1.42346	0.0647483	0.823334	0.0420481	0.731921	0.0483982
0.149659	1.40159	0.0575754	0.844574	0.0444265	0.734734	0.0389093
0.141784	1.38089	0.0555056	0.849158	0.0538167	0.727876	0.0345122

0.131101	1.35566	0.0553103	0.84465	0.0457149	0.730547	0.0462722
0.122191	1.31954	0.053833	0.847461	0.0470761	0.726661	0.0342682
0.137941	1.28145	0.0551468	0.839858	0.0438848	0.709411	0.0393938
0.134816	1.2427	0.0524113	0.823188	0.0488769	0.705479	0.0375913
0.154089	1.2091	0.0463008	0.814578	0.0520033	0.69312	0.0385905
0.129251	1.17891	0.0434291	0.792843	0.040854	0.686248	0.0389527
0.105734	1.14885	0.0347058	0.765612	0.0420046	0.657828	0.0355056
0.114535	1.09424	0.0401009	0.747202	0.0418846	0.642468	0.0334102
0.110393	1.05661	0.0381485	0.71959	0.0422306	0.616448	0.035555
0.0856758	1.03515	0.0331474	0.699745	0.0351849	0.613105	0.0355483
0.0961957	1.01895	0.0269604	0.666268	0.0278828	0.583526	0.0373329
0.0945416	0.989303	0.0314493	0.64715	0.0343187	0.567516	0.0276147
0.0664684	0.956434	0.0331016	0.620265	0.0390466	0.551923	0.0357574
0.0845601	0.946384	0.0300704	0.590936	0.0301783	0.539808	0.0241573
0.0646871	0.925975	0.0281772	0.564204	0.0355494	0.517163	0.0287582
0.0654316	0.917137	0.0311034	0.549923	0.0262974	0.512381	0.0291403
0.0630177	0.902863	0.0322811	0.534135	0.0263536	0.502427	0.0242057
0.0629234	0.890641	0.0286527	0.524515	0.0213768	0.492158	0.028645
0.0609184	0.878122	0.0287167	0.507819	0.0274654	0.472716	0.0226257
0.0532949	0.876492	0.0272135	0.495379	0.0233792	0.470441	0.0268364
0.0556345	0.877079	0.0250134	0.483165	0.027791	0.46301	0.0244757
0.0487454	0.870332	0.0280173	0.476948	0.0272756	0.45858	0.0216473
0.0627396	0.86488	0.0306825	0.469131	0.0289171	0.45979	0.0249595
0.0479176	0.860683	0.0325882	0.466403	0.0233735	0.450767	0.0273768
0.0588351	0.864316	0.031565	0.455597	0.0166257	0.447924	0.0308231
0.056295	0.855877	0.0265924	0.455665	0.0277762	0.445027	0.0213628
0.0500858	0.840883	0.0266218	0.449565	0.0263953	0.440817	0.0241374
0.0563991	0.846881	0.0298911	0.452392	0.019406	0.441068	0.0250988
0.047789	0.844805	0.0302588	0.447492	0.0231088	0.429166	0.0272465
0.0508902	0.839044	0.0318025	0.452697	0.0291124	0.442328	0.021821
0.0492149	0.835386	0.0287696	0.433888	0.0250138	0.438667	0.0266548
0.0560203	0.835678	0.0243192	0.442506	0.0224293	0.438416	0.0188464
0.0681233	0.827435	0.0244899	0.437472	0.0200283	0.438193	0.0257513
0.0635961	0.824146	0.02689	0.436375	0.0278457	0.429288	0.0218017
0.0624461	0.825567	0.0238017	0.440658	0.0259922	0.431649	0.0283204
0.0521204	0.826646	0.0273617	0.434044	0.0240818	0.429854	0.0227922
0.0637521	0.824646	0.0277782	0.431192	0.0224394	0.426282	0.0257832
0.054732	0.816918	0.0281824	0.427055	0.0208279	0.420004	0.0249756
0.060663	0.811372	0.0306241	0.434	0.0171725	0.419686	0.0278194
0.0543202	0.812777	0.026341	0.429447	0.0190491	0.422033	0.0250487
0.0481495	0.812797	0.0286626	0.426129	0.0193778	0.42269	0.0242191
0.0475975	0.81037	0.03043	0.428854	0.0244361	0.419975	0.0230774
0.0571003	0.807278	0.0250027	0.429965	0.0326343	0.417403	0.0208025
0.0519781	0.807162	0.0301895	0.429104	0.022067	0.42036	0.0229904
0.045744	0.805998	0.0297676	0.425639	0.0192912	0.427794	0.0191488
0.0381278	0.800611	0.0291384	0.41818	0.0231802	0.418376	0.0252245
0.0472112	0.798446	0.0272907	0.425943	0.0228411	0.411109	0.0188679

0.0585236	0.799559	0.0252802	0.416174	0.0276892	0.420487	0.0289776
0.0525688	0.79406	0.0223841	0.425549	0.020934	0.40255	0.0242846
0.0520464	0.793785	0.0223561	0.420998	0.0209242	0.412752	0.0213645
0.0466211	0.793083	0.0242945	0.414535	0.0235736	0.401182	0.0186313
0.051882	0.790297	0.0271956	0.418547	0.0229766	0.4127	0.0246903
0.0426328	0.784639	0.0286496	0.414075	0.0255316	0.406895	0.025058
0.0501727	0.781718	0.0250923	0.417973	0.0197513	0.406731	0.0220611
0.0460051	0.782267	0.0252504	0.408558	0.0266879	0.411543	0.0211635
0.0479068	0.778265	0.0304413	0.415969	0.0227603	0.41771	0.0268133
0.0478654	0.773204	0.0204881	0.404638	0.0195327	0.412348	0.0216291
0.0497992	0.775517	0.0212796	0.409613	0.0256083	0.41648	0.0264609
0.0444827	0.774037	0.0271788	0.412966	0.0229141	0.411026	0.0217219
0.0466107	0.771369	0.0311748	0.41488	0.0218931	0.410093	0.0203103
0.0517436	0.769335	0.0242462	0.403637	0.0194502	0.408929	0.0266093
0.0426326	0.766253	0.0288659	0.409942	0.027525	0.417264	0.0234312
0.0481029	0.765391	0.0350609	0.412239	0.0270171	0.422269	0.0251257
0.0551079	0.763987	0.0276808	0.406511	0.0274668	0.416145	0.021439
0.0546802	0.767928	0.0229508	0.409568	0.0197776	0.419414	0.0270722
0.0496825	0.766906	0.0255323	0.405215	0.0255399	0.421315	0.0207054
0.0495973	0.763863	0.0249923	0.414932	0.0203115	0.425453	0.0247
0.0380337	0.767488	0.0214457	0.409172	0.0205701	0.425839	0.022281
0.0493943	0.759622	0.0214398	0.405054	0.0235398	0.427853	0.0237939
0.0500854	0.761974	0.0172957	0.40667	0.0225893	0.428895	0.0289793
0.0501358	0.754699	0.0208951	0.414075	0.0214057	0.438935	0.0268533
0.0429537	0.759601	0.0225604	0.413302	0.0261318	0.436167	0.0294979
0.0396657	0.760155	0.024064	0.410504	0.0204087	0.446774	0.0231608
0.0425759	0.751605	0.0280242	0.414179	0.0160888	0.453986	0.0263629
0.0558062	0.755217	0.0308293	0.408594	0.0222962	0.450267	0.0269307
0.0440352	0.754813	0.0269256	0.410436	0.0238468	0.461518	0.0274097
0.0434042	0.747365	0.0299256	0.410557	0.0256391	0.451931	0.0244708
0.049587	0.745734	0.0243574	0.415566	0.0243846	0.464478	0.0248163
0.0508302	0.736656	0.0246841	0.416518	0.0245228	0.456758	0.0298259
0.0526076	0.737246	0.0307926	0.415878	0.0244511	0.456323	0.0236086
0.0447252	0.739708	0.0289651	0.413791	0.0252899	0.451664	0.0313497
0.0468624	0.740267	0.0280587	0.401214	0.026158	0.458756	0.0275176
0.0477446	0.732437	0.02851	0.409297	0.0145159	0.447736	0.0221352
0.0396583	0.724488	0.0290959	0.407344	0.0223179	0.443875	0.0281479
0.0321133	0.730549	0.0267629	0.400575	0.020534	0.442666	0.0247246
0.0497316	0.730013	0.0244461	0.400748	0.0292758	0.43308	0.0321437
0.0510215	0.732742	0.0278276	0.399314	0.0166532	0.427346	0.0309577
0.0465795	0.722781	0.0267416	0.401081	0.0253415	0.422558	0.0242924
0.0423502	0.719619	0.0229066	0.394278	0.0220089	0.425	0.0285972
0.0539785	0.715668	0.0262214	0.395829	0.0262688	0.417226	0.0255041
0.0423958	0.715107	0.0293698	0.385969	0.0224635	0.406818	0.0257446
0.0670519	0.712548	0.0249735	0.389074	0.0249674	0.399683	0.0215209
0.0432747	0.710616	0.0169691	0.382327	0.0206576	0.397186	0.0237525
0.0572399	0.704753	0.0292499	0.385885	0.0192884	0.386924	0.0256159

0.0600781	0.695981	0.0271685	0.373345	0.0162088	0.380427	0.019958
0.037758	0.692845	0.0232895	0.373387	0.0203095	0.380548	0.0292195
0.0530108	0.692121	0.0213035	0.38155	0.0269735	0.378579	0.0252618
0.0467394	0.689781	0.0283921	0.380379	0.0170963	0.377401	0.0236705
0.0448662	0.686648	0.0281109	0.369529	0.0189686	0.373727	0.0264051
0.0473737	0.685629	0.0263065	0.366321	0.0247872	0.372295	0.0235615
0.0586769	0.68352	0.0256219	0.362965	0.0190437	0.358029	0.0195621
0.0486992	0.683685	0.0257512	0.3662	0.0210297	0.363197	0.0240371
0.038133	0.67838	0.0250555	0.364216	0.0172361	0.366463	0.0209879
0.0452548	0.681411	0.0227036	0.35796	0.0130407	0.357891	0.0218827
0.0451016	0.673937	0.0215311	0.358705	0.0144574	0.355772	0.0238566
0.0474529	0.672542	0.0217196	0.368693	0.0185423	0.35376	0.0225251
0.0407141	0.671245	0.0196844	0.361625	0.0158067	0.347441	0.0205858
0.0428905	0.676854	0.0226516	0.353863	0.0207267	0.356192	0.0189762
0.0455852	0.667599	0.0264728	0.355378	0.0213734	0.354444	0.0202569
0.0376696	0.67301	0.0273741	0.354422	0.0216122	0.348959	0.0257788
0.039481	0.670157	0.0237428	0.353786	0.0177418	0.355766	0.0197548
0.0439456	0.661641	0.0238591	0.354316	0.0183332	0.346011	0.0207166
0.0411927	0.658701	0.0188929	0.350008	0.0159219	0.350062	0.022082
0.0462417	0.659992	0.0261251	0.350929	0.0148095	0.34856	0.0193733
0.056527	0.660849	0.0198343	0.346138	0.0190564	0.342703	0.0240187
0.0340806	0.661062	0.0222908	0.35145	0.019411	0.345008	0.0205929
0.0497663	0.654721	0.0212547	0.343284	0.0154633	0.340916	0.0220572
0.0391072	0.659094	0.0197492	0.344713	0.0206748	0.340908	0.0219941
0.043448	0.656345	0.0222248	0.346898	0.019487	0.344208	0.0264802
0.0349256	0.653124	0.0212379	0.339777	0.0200909	0.331576	0.0190112
0.0381083	0.644772	0.0285652	0.342723	0.0209833	0.332668	0.0184463
0.0444462	0.644196	0.0209477	0.337164	0.0187544	0.340051	0.0232909
0.0375173	0.646986	0.0236757	0.342121	0.017516	0.334679	0.0175857
0.0353466	0.65278	0.0252559	0.340733	0.014122	0.336133	0.0234568
0.0513267	0.641094	0.0217831	0.337174	0.0232763	0.337137	0.026862
0.0379722	0.638855	0.022666	0.340955	0.0275116	0.337196	0.0195013
0.0502899	0.640201	0.0218142	0.335805	0.0219982	0.331789	0.019015
0.0441164	0.640256	0.0227464	0.340434	0.0214446	0.336536	0.0207594
0.0445084	0.647253	0.0237528	0.336574	0.0231635	0.334589	0.023015
0.0513135	0.642715	0.0270494	0.340623	0.0174381	0.329531	0.0229888
0.0394538	0.648174	0.0197681	0.340641	0.0197299	0.339213	0.0219334
0.0494087	0.64538	0.0219327	0.340812	0.0171191	0.342088	0.0203416
0.0422088	0.645536	0.0253367	0.341921	0.0182839	0.338069	0.0176739
0.052899	0.644112	0.0232682	0.340677	0.0230709	0.345479	0.0214831
0.0404605	0.645435	0.0190802	0.338562	0.019938	0.346402	0.0247856
0.0424381	0.650987	0.0256138	0.336275	0.0186467	0.353182	0.0245818
0.0431262	0.660208	0.0284975	0.338627	0.0171146	0.364503	0.0247813
0.0418752	0.6576	0.0265624	0.343672	0.0197344	0.369209	0.0322257
0.0469988	0.660765	0.0217493	0.347242	0.0193345	0.38537	0.030603
0.0366562	0.663251	0.0188219	0.346609	0.0232601	0.391893	0.0348606
0.0437251	0.676303	0.02516	0.348854	0.0214186	0.397409	0.0281381

0.0449088	0.677483	0.0243285	0.356654	0.0156115	0.415237	0.0356679
0.0499905	0.688757	0.0197285	0.365711	0.0181508	0.43848	0.0448374
0.0349152	0.699272	0.0170322	0.368957	0.0216061	0.457067	0.0418102
0.0564789	0.712325	0.0270482	0.370526	0.0196264	0.483391	0.0599672
0.0486349	0.727796	0.0296314	0.376651	0.0206413	0.49885	0.0571215
0.0485971	0.722466	0.0254026	0.395938	0.0251583	0.524004	0.0601528
0.0472588	0.73706	0.0231146	0.404614	0.0207165	0.557225	0.0687583
0.0524757	0.747916	0.0205102	0.411753	0.0239632	0.579563	0.0807572
0.0559703	0.762385	0.0256252	0.420148	0.0240425	0.606909	0.0877522
0.042621	0.77201	0.0260746	0.431654	0.0195671	0.635732	0.0952725
0.0549267	0.780269	0.0215486	0.44473	0.0211101	0.667017	0.0998635
0.0469485	0.791484	0.0318056	0.456858	0.0216308	0.705199	0.0944304
0.0442162	0.797776	0.0327868	0.480029	0.0221039	0.727811	0.127768
0.0508555	0.809909	0.027085	0.482453	0.0316144	0.749183	0.127622
0.0626759	0.813176	0.0290726	0.502075	0.0257446	0.769638	0.124448
0.0550165	0.811581	0.0308201	0.508342	0.0248248	0.795617	0.135094
0.0532766	0.812008	0.029293	0.509957	0.0285781	0.814163	0.141253
0.0613202	0.815067	0.0228122	0.511584	0.0254675	0.830501	0.134367
0.0508464	0.818117	0.0259702	0.53078	0.0321322	0.823038	0.146021
0.0707803	0.798804	0.026084	0.531086	0.0311215	0.833574	0.14123
0.0537283	0.794804	0.02633	0.538802	0.0394089	0.834374	0.135727
0.0651188	0.792224	0.0228581	0.540488	0.0325965	0.810286	0.135173
0.057123	0.775008	0.0303802	0.538413	0.028645	0.807028	0.135549
0.0607703	0.767637	0.0223655	0.532334	0.0369477	0.771113	0.126266
0.071286	0.755825	0.0180923	0.526797	0.0240686	0.769833	0.113973
0.0576698	0.747913	0.0217213	0.525714	0.0295341	0.737492	0.123207
0.0606999	0.727245	0.02121	0.51483	0.0302727	0.71335	0.113353
0.0642087	0.705739	0.02423	0.503305	0.0284523	0.679338	0.0974304
0.0527581	0.692136	0.0253577	0.503775	0.0293333	0.642653	0.085624
0.0557089	0.687588	0.0264523	0.481711	0.0285453	0.612507	0.0894132
0.0589636	0.673245	0.0193362	0.468009	0.0268178	0.583644	0.0741484
0.0530875	0.658519	0.0220925	0.451696	0.0294765	0.542476	0.0673739
0.0583146	0.647089	0.0217116	0.43574	0.0230254	0.513141	0.0635922
0.0620079	0.637638	0.014804	0.421981	0.0232822	0.48993	0.0476258
0.0533696	0.624485	0.0217441	0.413334	0.0178441	0.462913	0.0519121
0.0540233	0.616813	0.0214898	0.397397	0.0243879	0.435431	0.0379729
0.04195	0.602195	0.0186244	0.389743	0.0181314	0.405328	0.0302479
0.0392748	0.593813	0.0187413	0.36742	0.0169124	0.388454	0.0347714
0.0410138	0.588403	0.0214799	0.357884	0.0222937	0.37357	0.0356044
0.0402857	0.590264	0.0232297	0.353341	0.0178316	0.365094	0.0264946
0.0382588	0.587836	0.0290248	0.340797	0.0173109	0.351892	0.024761
0.0411116	0.574135	0.0223212	0.338911	0.0167027	0.333162	0.0200853
0.046213	0.570394	0.0179717	0.331315	0.0208092	0.323021	0.0213067
0.040953	0.571483	0.0293355	0.326713	0.0211033	0.320284	0.0267759
0.0341542	0.572715	0.0252861	0.319795	0.0187405	0.320408	0.0260058
0.036261	0.561584	0.0204817	0.32	0.022593	0.305116	0.0220761
0.0418148	0.557058	0.0253809	0.309518	0.0194989	0.304268	0.0227584

0.0448648	0.557769	0.02605	0.310902	0.0141982	0.300295	0.0147141
0.0419151	0.555902	0.0165157	0.312904	0.0156141	0.302312	0.019235
0.0404016	0.558905	0.0244151	0.304847	0.0182399	0.299267	0.0240413
0.0399947	0.547085	0.0223886	0.30958	0.0160625	0.300842	0.0214179
0.0352383	0.556616	0.0167739	0.297802	0.0157153	0.298879	0.0151275
0.0444747	0.549672	0.02116	0.304247	0.019214	0.294814	0.0203473
0.0384344	0.543581	0.0204405	0.308084	0.0161646	0.290172	0.0241629
0.0355205	0.538018	0.0247455	0.299853	0.021649	0.295095	0.0187486
0.0395421	0.536289	0.0218367	0.291377	0.015218	0.29595	0.0178175
0.0357673	0.544097	0.0216103	0.297038	0.0173939	0.29236	0.0204468
0.0469588	0.534984	0.0180879	0.298412	0.0198015	0.293354	0.0185378
0.0432845	0.536754	0.0230375	0.296714	0.0172905	0.28703	0.0205477
0.0486171	0.53656	0.021383	0.288338	0.0196591	0.289979	0.0186529
0.0386798	0.528944	0.0218459	0.288332	0.0134976	0.285249	0.0205026
0.0431221	0.528747	0.029477	0.293629	0.0176751	0.288418	0.020304
0.0459433	0.531676	0.0214465	0.287515	0.0185891	0.282906	0.0230515
0.0368743	0.520433	0.0183491	0.285997	0.0187387	0.286876	0.0192381
0.0380321	0.532344	0.0212389	0.290984	0.0180403	0.279697	0.016542
0.0365383	0.520787	0.0217893	0.287692	0.0182862	0.2831	0.0163838
0.0383428	0.525189	0.0202209	0.283285	0.0140184	0.274744	0.0178223
0.0294809	0.515541	0.022715	0.286854	0.0208952	0.278566	0.022182
0.0419079	0.521614	0.020392	0.2843	0.012345	0.283437	0.0209458
0.039431	0.511983	0.0204906	0.282969	0.0131457	0.273953	0.0168841
0.0420719	0.504531	0.0225559	0.284537	0.0233943	0.276833	0.0155869
0.039911	0.507283	0.0259529	0.278227	0.0144627	0.276987	0.0205825
0.0354551	0.514708	0.0198623	0.277837	0.0131031	0.273524	0.0190459
0.0381465	0.50871	0.0225048	0.276856	0.0177332	0.275546	0.0209097
0.0341122	0.50433	0.0229726	0.273921	0.015517	0.275223	0.0201422
0.0440397	0.503455	0.0233934	0.272743	0.0180769	0.270936	0.0189398
0.0350447	0.511267	0.0219668	0.276356	0.0168305	0.275417	0.0206982
0.0404944	0.51034	0.0213928	0.26727	0.0154132	0.274247	0.0178481
0.0443656	0.508658	0.0222969	0.268205	0.0164777	0.269555	0.0213876
0.0359424	0.49691	0.0216432	0.27318	0.0144613	0.271647	0.0146854
0.0281955	0.497804	0.0224531	0.276225	0.017228	0.274439	0.0190167
0.0338622	0.498626	0.0215172	0.271548	0.0144541	0.270423	0.0207952
0.0365744	0.49779	0.0249147	0.269326	0.0147475	0.269207	0.0177413
0.0206119	0.500024	0.0242046	0.268599	0.0166966	0.268105	0.0179647
0.0312019	0.496932	0.0169653	0.268487	0.0147575	0.270618	0.0163692
0.0438715	0.49261	0.0198098	0.270028	0.0181813	0.26529	0.0201737
0.0394494	0.489863	0.0222472	0.268349	0.0157069	0.277597	0.016808
0.0377763	0.48683	0.0270252	0.264748	0.0176709	0.268625	0.0183295
0.0346687	0.490114	0.0227698	0.271276	0.0163439	0.273049	0.0209648
0.0391935	0.49612	0.0183822	0.26672	0.0144621	0.269919	0.0184228
0.0496102	0.489784	0.020022	0.272499	0.016983	0.272763	0.0192906
0.0356873	0.485948	0.0243208	0.272982	0.0196362	0.269692	0.0173109
0.0415323	0.492964	0.0245783	0.26959	0.017414	0.280325	0.0263023
0.0360291	0.477085	0.0221343	0.258469	0.0194164	0.286673	0.0207159



0.0399994	0.482793	0.0179749	0.257018	0.0145516	0.271959	0.0167625
0.0382244	0.477815	0.0207709	0.267558	0.0194075	0.271413	0.0231129
0.0318982	0.476233	0.0261687	0.261895	0.0116931	0.278919	0.017669
0.0372994	0.481425	0.020569	0.266175	0.0131232	0.276942	0.01909
0.0379482	0.480211	0.0203949	0.261854	0.0174585	0.281627	0.0171868
0.0403691	0.481538	0.0190014	0.270081	0.0163304	0.279327	0.0200482
0.0336139	0.479563	0.019813	0.263765	0.0168103	0.277725	0.018891
0.034002	0.472193	0.0174757	0.270792	0.0182967	0.281172	0.0182884
0.0325003	0.475423	0.0262877	0.258205	0.0173405	0.278743	0.018992
0.0324401	0.474708	0.0201931	0.263103	0.0163969	0.278186	0.0176481
0.0349006	0.473325	0.0231739	0.264415	0.0136093	0.279324	0.0183133
0.0392216	0.474827	0.0157827	0.257946	0.0139462	0.278761	0.0227503
0.0318716	0.468484	0.0219865	0.260655	0.0176079	0.277522	0.0221045
0.0453572	0.473354	0.0239037	0.265357	0.0122671	0.276146	0.0186435
0.0344242	0.470872	0.0170311	0.261012	0.0150994	0.280223	0.0189235
0.0345738	0.467145	0.0240564	0.258438	0.0153863	0.283218	0.0155841
0.0366106	0.471403	0.0227685	0.265287	0.0173219	0.268833	0.0186138
0.0290035	0.465356	0.0167021	0.262326	0.0155179	0.270531	0.0218325
0.0355494	0.454191	0.0190121	0.255187	0.0137097	0.262899	0.0183797
0.0434815	0.461317	0.0176881	0.257661	0.0183184	0.265688	0.0177869
0.0363845	0.459885	0.0181255	0.265961	0.0156811	0.260898	0.0145303
0.0347338	0.45815	0.020304	0.260703	0.0187557	0.270649	0.0192393
0.0389378	0.462774	0.0240838	0.257313	0.0132644	0.270725	0.0220085
0.0327146	0.46286	0.0170108	0.258223	0.0161087	0.259827	0.0187211
0.0360397	0.459155	0.0191234	0.256421	0.018986	0.261021	0.016711
0.0408513	0.454208	0.0150299	0.253605	0.015782	0.261881	0.0169508
0.0491888	0.447552	0.0199944	0.255981	0.0154621	0.260825	0.0207438
0.0349903	0.452745	0.0218852	0.25401	0.0158756	0.259459	0.0245501
0.0390549	0.450426	0.0218848	0.254488	0.0101616	0.256774	0.0175321
0.0346003	0.447074	0.0151857	0.258077	0.0120771	0.262632	0.018387
0.0436333	0.451604	0.0154663	0.249205	0.016532	0.254295	0.01697
0.0324173	0.447869	0.0221176	0.25264	0.0147766	0.249357	0.0153469
0.036047	0.445657	0.0168379	0.248768	0.0157841	0.253934	0.019646
0.0439519	0.443887	0.0197189	0.248142	0.0175681	0.249508	0.0138252
0.0363799	0.449644	0.0183612	0.254785	0.0149886	0.247946	0.0158805
0.0338196	0.445566	0.0208859	0.247596	0.017711	0.251211	0.0206203
0.0314052	0.439542	0.0166092	0.246462	0.00994866	0.242652	0.0182082
0.0438828	0.446119	0.0208477	0.246378	0.0129158	0.245739	0.0169437
0.0342599	0.436403	0.0172917	0.246179	0.0164997	0.243385	0.0167754
0.0342557	0.442726	0.0220037	0.251691	0.0192403	0.245278	0.0159876
0.0425152	0.439183	0.0200439	0.245721	0.0145341	0.246308	0.0155484
0.0285654	0.440211	0.0135956	0.245767	0.0146846	0.243722	0.0182558
0.0355198	0.435953	0.0146302	0.248512	0.0177029	0.251354	0.017443
0.0351915	0.441405	0.0158365	0.250501	0.0149875	0.245208	0.0198635
0.0270796	0.436094	0.0189741	0.248537	0.0143796	0.241318	0.0195417
0.0455328	0.435273	0.0168509	0.24368	0.014441	0.246712	0.0164668
0.0389961	0.432771	0.0174915	0.248786	0.0129048	0.239188	0.0220268

0.0416297	0.433166	0.0179146	0.240254	0.0131614	0.243194	0.0157493
0.0373225	0.430728	0.0175184	0.245782	0.0152361	0.246277	0.0167773
0.0274715	0.429069	0.0195657	0.245068	0.0135705	0.252021	0.019115
0.0326819	0.437419	0.0193088	0.243448	0.0146671	0.242717	0.0201787
0.038475	0.428302	0.0200783	0.239429	0.0156483	0.240162	0.0170537
0.033838	0.427432	0.0179746	0.241428	0.0140709	0.239273	0.0124491
0.0386222	0.433987	0.0115112	0.236101	0.0137512	0.238551	0.0168564
0.0472658	0.429551	0.0174449	0.24119	0.0128769	0.240909	0.0177575
0.0298682	0.427399	0.0179721	0.244653	0.0193901	0.240026	0.0162068
0.0369498	0.424716	0.0166305	0.23566	0.017091	0.237969	0.0179128
0.0423897	0.423655	0.0172403	0.241492	0.0142742	0.241434	0.0184477
0.0346627	0.422788	0.0260153	0.24092	0.0160347	0.24213	0.0186156
0.0434039	0.426262	0.0194732	0.240367	0.0172558	0.2373	0.0147779
0.0316453	0.422864	0.0206504	0.235397	0.0145531	0.243111	0.020314
0.0313298	0.416766	0.013355	0.244711	0.0148191	0.241291	0.0168781
0.0397436	0.418768	0.0179042	0.233287	0.0140818	0.236018	0.0164308
0.0348478	0.424208	0.0124565	0.238637	0.0213324	0.235243	0.0178082
0.0322181	0.42154	0.0181256	0.241361	0.0224114	0.24453	0.0157426
0.0336155	0.419797	0.0171931	0.240081	0.0185817	0.236114	0.0245502
0.0338597	0.414411	0.0122228	0.236947	0.0177449	0.235501	0.0179089
0.0427373	0.416822	0.0142669	0.241412	0.0149486	0.234452	0.0194229
0.033264	0.422664	0.0174152	0.240442	0.0155749	0.237748	0.0190739
0.0344603	0.416331	0.0194614	0.238081	0.0168544	0.235255	0.0169395
0.0394936	0.419402	0.0189437	0.236341	0.0160139	0.23881	0.0175817
0.0385123	0.417415	0.0191749	0.239817	0.014286	0.237645	0.0179959
0.0359626	0.412125	0.0152211	0.233679	0.0115277	0.235661	0.0160781
0.0313752	0.419755	0.0160282	0.235001	0.0131759	0.243434	0.0232771
0.0297175	0.421599	0.0189616	0.237909	0.0197348	0.231824	0.0174158
0.0315153	0.42267	0.0223296	0.243036	0.0159872	0.236164	0.0181435
0.0352495	0.416733	0.0175163	0.235882	0.0165001	0.240946	0.0187893
0.0433127	0.416327	0.0177315	0.235454	0.0114623	0.239167	0.017945
0.0354092	0.417398	0.0193892	0.236777	0.0132609	0.241086	0.0180503
0.0270859	0.423137	0.0140097	0.238967	0.0107688	0.244887	0.0196256
0.0367421	0.416384	0.0139708	0.24475	0.0156334	0.241105	0.0188978
0.0346756	0.416706	0.0203707	0.244787	0.0149402	0.237215	0.0142422
0.0387486	0.416952	0.0187537	0.246291	0.0174945	0.234962	0.0170258
0.0411288	0.41525	0.0159114	0.246176	0.015149	0.249713	0.0182447
0.0344498	0.417493	0.019311	0.242911	0.0125316	0.243127	0.017051
0.0362179	0.419527	0.0166981	0.239863	0.0157595	0.246516	0.0171495
0.0295133	0.419275	0.0196602	0.245013	0.014245	0.244413	0.0193676
0.0287029	0.424448	0.0123149	0.246666	0.0175636	0.244709	0.0172198
0.0397375	0.42318	0.0136604	0.245794	0.0205397	0.245031	0.0147768
0.0376683	0.419833	0.0158042	0.249554	0.0115385	0.246643	0.0212603
0.0296935	0.421532	0.0172049	0.24718	0.0139153	0.248771	0.0168964
0.0346275	0.419851	0.0146768	0.246465	0.0177814	0.256126	0.0207353
0.0389252	0.415456	0.0159521	0.249726	0.0147597	0.2492	0.0189501
0.0345616	0.412278	0.0170378	0.245706	0.0142602	0.250508	0.0201534

0.0366429	0.41553	0.0165187	0.254095	0.0149798	0.25509	0.0203739
0.0414786	0.417036	0.0159911	0.259145	0.0165377	0.255337	0.0160383
0.0346457	0.416898	0.0154961	0.255001	0.0188547	0.259704	0.0186095
0.0461404	0.41838	0.0175184	0.251447	0.0159876	0.263762	0.0222539
0.0321862	0.418841	0.0143975	0.251598	0.0133169	0.262454	0.018963
0.0300424	0.420267	0.0155532	0.25341	0.0153976	0.263948	0.0195644
0.041793	0.415252	0.018078	0.256249	0.0140649	0.273994	0.0187149
0.0370777	0.419197	0.013021	0.252839	0.0173876	0.272726	0.0216376
0.0330266	0.420535	0.0144428	0.251188	0.0146294	0.269874	0.021699
0.0262478	0.420393	0.0162391	0.259402	0.0156704	0.27934	0.0248237
0.0424888	0.416072	0.0163563	0.256676	0.0153439	0.280738	0.0217083
0.0354099	0.412331	0.0147233	0.256174	0.0138372	0.292204	0.0247353
0.0389657	0.417238	0.0179344	0.255878	0.0155225	0.292495	0.0252661
0.0341831	0.414896	0.0164641	0.256793	0.0134732	0.29322	0.0294909
0.0330551	0.423781	0.0186681	0.259334	0.0166146	0.297913	0.0235727
0.0357706	0.421632	0.0180672	0.259344	0.0144451	0.302368	0.0240532
0.0361021	0.416106	0.0152429	0.270644	0.0177375	0.310848	0.0282386
0.0381735	0.416957	0.0185382	0.25617	0.0151141	0.314342	0.0188869
0.0334017	0.415034	0.0144833	0.260327	0.0156107	0.312889	0.0300223
0.0283496	0.412605	0.0129988	0.263001	0.0174547	0.313103	0.0337054
0.0457688	0.412453	0.0175376	0.260936	0.0129992	0.310941	0.0307936
0.0398106	0.415599	0.0154347	0.266526	0.0199095	0.313964	0.0307738
0.0449681	0.413886	0.012134	0.262811	0.0178237	0.314604	0.0288104
0.0428704	0.408409	0.0125936	0.263617	0.0167188	0.317571	0.0326987
0.0393857	0.408273	0.0145721	0.264979	0.015477	0.310722	0.0256027
0.037476	0.407172	0.0151952	0.262813	0.0173756	0.312554	0.0355438
0.0358508	0.407262	0.0197233	0.260321	0.0167814	0.303266	0.0256318
0.0364007	0.403747	0.013149	0.261773	0.0141852	0.300111	0.0252843
0.035492	0.401483	0.0151225	0.256079	0.0163401	0.299576	0.0242542
0.0369888	0.402863	0.0170897	0.260762	0.0170128	0.296168	0.0252723
0.0307645	0.402401	0.0194179	0.262478	0.0172493	0.292766	0.0199751
0.0395873	0.401665	0.016253	0.257007	0.016432	0.290819	0.0316359
0.0420003	0.398453	0.0154712	0.254034	0.0123125	0.282391	0.0223119
0.0277698	0.390333	0.0138211	0.249715	0.0152955	0.276785	0.0249936
0.0307725	0.393466	0.0128197	0.247372	0.0185381	0.267664	0.0220174
0.0319938	0.394308	0.0151051	0.246247	0.0150065	0.268985	0.024277
0.0330772	0.392272	0.013335	0.25404	0.0174201	0.271682	0.0189224
0.0359896	0.391373	0.0133689	0.252699	0.0171021	0.265604	0.0164757
0.0361928	0.39216	0.0103582	0.252019	0.0145797	0.262246	0.0178199
0.0377474	0.390431	0.0130987	0.252723	0.0146483	0.258747	0.0162847
0.0381546	0.391202	0.0163059	0.253397	0.0161954	0.24736	0.0168355
0.0341811	0.389374	0.0160497	0.247749	0.0125935	0.254858	0.0187629
0.0287212	0.391476	0.0175517	0.246892	0.017383	0.260245	0.0245282
0.0346388	0.399185	0.0107967	0.242999	0.0155415	0.260838	0.0206307
0.035162	0.3874	0.012002	0.242197	0.0150966	0.261973	0.0176447
0.0261867	0.388429	0.0134618	0.247891	0.0140523	0.257529	0.0181638
0.0361893	0.388309	0.0121326	0.249143	0.014907	0.256182	0.0230698

0.0347512	0.389598	0.015028	0.252357	0.0164369	0.260373	0.0218091
0.041671	0.390695	0.0147185	0.247623	0.011059	0.26149	0.0169612
0.0371317	0.3924	0.0135137	0.251607	0.0173483	0.259441	0.0190671
0.0292654	0.390996	0.0123391	0.248925	0.017209	0.261915	0.0213596
0.0324212	0.389741	0.010756	0.24903	0.0162515	0.258016	0.0179402
0.0485707	0.393148	0.017555	0.253955	0.0161479	0.256512	0.0181962
0.0329451	0.389643	0.0181227	0.256247	0.0165983	0.26519	0.0220422
0.0340001	0.387549	0.0150368	0.250628	0.0143536	0.264771	0.0193533
0.0406995	0.390098	0.0165614	0.250244	0.0182757	0.263623	0.0168542
0.0419439	0.391317	0.018234	0.248506	0.0141684	0.261164	0.0173376
0.0356507	0.391253	0.0114351	0.253695	0.0113784	0.269301	0.0195349
0.0348849	0.395612	0.0155457	0.260104	0.0125173	0.265301	0.0161759
0.0323531	0.395965	0.0148675	0.25632	0.017904	0.268364	0.0194802
0.0367166	0.393924	0.0142721	0.255489	0.0125374	0.264683	0.0251788
0.0286205	0.393323	0.0117365	0.255014	0.0192305	0.263516	0.0165632
0.0337605	0.392257	0.0158998	0.259916	0.0133176	0.272508	0.0221598
0.0411414	0.39805	0.0184206	0.258963	0.0139807	0.263056	0.0160776
0.0319093	0.399477	0.0138977	0.260356	0.0131017	0.258639	0.0179728
0.033852	0.393985	0.0136109	0.265124	0.0124227	0.272878	0.0164964
0.0327059	0.396113	0.015441	0.261164	0.0117176	0.267759	0.0212574
0.0329393	0.401479	0.0173921	0.269363	0.0171357	0.268982	0.0200847
0.028204	0.40246	0.0141212	0.265059	0.0157131	0.271692	0.0193944
0.0355349	0.396777	0.015397	0.263926	0.0154669	0.265845	0.0194711
0.0235923	0.402671	0.0185724	0.270886	0.0173917	0.279744	0.0202696
0.0388001	0.403811	0.0143848	0.266135	0.0136081	0.272299	0.0193847
0.0342074	0.406873	0.0140398	0.265204	0.0160464	0.277598	0.0168999
0.0308666	0.404387	0.020345	0.270961	0.0178563	0.277412	0.0195002
0.0312072	0.408715	0.014211	0.272486	0.0138924	0.281272	0.0180937
0.0445887	0.413484	0.0173323	0.276873	0.019943	0.2747	0.0175223
0.0389423	0.416411	0.0137442	0.279181	0.0159222	0.281921	0.0177627
0.0444246	0.416918	0.0143402	0.275219	0.0161122	0.285841	0.0196293
0.0240386	0.417583	0.0146087	0.275876	0.0181036	0.293176	0.0176219
0.0439062	0.417305	0.0178338	0.276442	0.0188613	0.285674	0.0202713
0.0346897	0.421159	0.0193026	0.285536	0.0172213	0.2912	0.0205852
0.0382366	0.425309	0.0146197	0.287387	0.0118997	0.287358	0.0178015
0.0326898	0.423145	0.0145366	0.2891	0.0118113	0.297056	0.0214003
0.040071	0.425518	0.0136378	0.283936	0.0146948	0.297397	0.0222132
0.0345933	0.426004	0.0164048	0.29168	0.0185203	0.304643	0.0208435
0.0363562	0.430601	0.0176897	0.292157	0.0160708	0.305203	0.0239154
0.0369077	0.437366	0.0141739	0.298291	0.01646	0.309319	0.0194727
0.0381477	0.440396	0.0167175	0.294288	0.017727	0.312765	0.0201476
0.0364585	0.444573	0.0189691	0.311851	0.0152371	0.307971	0.020459
0.0425807	0.448332	0.0176173	0.308453	0.0153966	0.319724	0.0196662
0.0344847	0.454416	0.0155608	0.31468	0.0188084	0.323874	0.0245532
0.0385776	0.460929	0.0153041	0.312455	0.0243675	0.334231	0.0262079
0.0369052	0.465225	0.0143314	0.314506	0.0172435	0.345327	0.0255198
0.0352727	0.470955	0.0174713	0.322637	0.0153639	0.335443	0.0224756

0.0396855	0.471109	0.0161128	0.324539	0.017481	0.341925	0.0202469
0.0459344	0.479158	0.014111	0.331857	0.0193889	0.35012	0.0193457
0.0383598	0.484454	0.0179686	0.337397	0.0167927	0.353456	0.0228626
0.0421719	0.489257	0.0167941	0.339259	0.0190265	0.358608	0.0180711
0.03751	0.498705	0.0172208	0.34538	0.0253614	0.365806	0.0195915
0.044368	0.508893	0.013581	0.344521	0.0163891	0.365603	0.0242904
0.048557	0.518629	0.0157543	0.350572	0.0179242	0.381997	0.0281026
0.0374921	0.523263	0.0166316	0.36561	0.019196	0.387923	0.0301186
0.0505527	0.530342	0.02019	0.36597	0.0196331	0.392311	0.0193866
0.0388099	0.53919	0.0176756	0.37659	0.0179669	0.404557	0.0203034
0.0390637	0.547247	0.015956	0.381241	0.0181212	0.418569	0.0282249
0.0397629	0.55789	0.0186256	0.390789	0.0169445	0.426584	0.0230505
0.047739	0.572542	0.0191619	0.403404	0.0227726	0.427528	0.0238725
0.0408826	0.577282	0.0178193	0.410035	0.0180107	0.440122	0.0221292
0.0419429	0.593078	0.0190404	0.41881	0.0208276	0.448514	0.0267911
0.0407602	0.610323	0.0187357	0.425859	0.0187285	0.452033	0.0267201
0.0445503	0.615465	0.0210464	0.432829	0.0187172	0.467269	0.0266842
0.0446157	0.625962	0.0230385	0.45063	0.0255211	0.478266	0.0250656
0.0531105	0.638834	0.0229899	0.457055	0.0219198	0.493231	0.0324251
0.0435292	0.651341	0.0167815	0.47026	0.0188701	0.508898	0.0240535
0.0518816	0.666004	0.0187523	0.480667	0.0224866	0.51834	0.0264792
0.0616761	0.687543	0.0208961	0.499417	0.0229456	0.524782	0.0245185
0.0486968	0.700541	0.0212243	0.507863	0.0233678	0.54801	0.0339522
0.0501058	0.712904	0.0269648	0.513147	0.0274151	0.555662	0.027912
0.0517564	0.728546	0.0193262	0.524424	0.0281981	0.580081	0.0313744
0.0407645	0.746362	0.0202056	0.554655	0.0266867	0.572858	0.0269076
0.0551209	0.755085	0.0203742	0.565292	0.0229142	0.59868	0.031674
0.0560542	0.766122	0.0234326	0.578651	0.0280626	0.626534	0.0304952
0.0490676	0.782113	0.0263525	0.586925	0.0252837	0.633774	0.0308626
0.0548789	0.797862	0.0269638	0.602506	0.0206081	0.646446	0.0422688
0.0492161	0.809389	0.0256855	0.625527	0.0259288	0.662398	0.0279641
0.036757	0.824901	0.0195607	0.641372	0.0267596	0.677676	0.0308556
0.0535237	0.843292	0.0231534	0.657285	0.0266259	0.70034	0.0338806
0.0514744	0.854862	0.0192724	0.685383	0.0271961	0.71128	0.0281962
0.0613098	0.867851	0.0202639	0.686731	0.0233361	0.736713	0.0351319
0.0630335	0.876502	0.0221038	0.722028	0.0242996	0.74652	0.03479
0.0620185	0.886373	0.0230033	0.719338	0.0326287	0.753571	0.0376029
0.0631364	0.904726	0.0207525	0.730561	0.0274392	0.773043	0.0377463
0.0530376	0.913157	0.0227166	0.759976	0.0297125	0.792554	0.0333439
0.046779	0.923297	0.0223315	0.773144	0.0290197	0.805731	0.0382373
0.0524637	0.925443	0.0226282	0.792968	0.0268663	0.815342	0.0325052
0.0609754	0.938672	0.0213403	0.802554	0.0301176	0.835288	0.032294
0.0679108	0.951694	0.0267806	0.812878	0.0196902	0.850343	0.0390061
0.0567089	0.956644	0.0216653	0.831944	0.026491	0.85567	0.0381103
0.0742667	0.95806	0.0169288	0.848887	0.0353537	0.866599	0.0321775
0.0638075	0.968851	0.0198667	0.855637	0.0295533	0.876796	0.0401276
0.0689664	0.974993	0.015953	0.869656	0.0272496	0.892621	0.0447493

0.0628893	0.975755	0.0169561	0.884752	0.0265174	0.914257	0.0451445
0.0597283	0.972147	0.0200548	0.89988	0.0259811	0.902435	0.0364524
0.0629695	0.971667	0.0202804	0.907697	0.0243486	0.929067	0.032946
0.0496599	0.968315	0.0199656	0.910855	0.0286247	0.92174	0.0400309
0.0580825	0.971818	0.0207719	0.926247	0.025498	0.917314	0.0327214
0.05814	0.968725	0.0246105	0.936096	0.0296694	0.943165	0.0464089
0.0648555	0.966367	0.0266052	0.94382	0.031541	0.949431	0.0353945
0.0588387	0.967878	0.0218142	0.938864	0.0305535	0.943408	0.035188
0.0548317	0.957383	0.020135	0.949195	0.0301632	0.939789	0.0363271
0.0802022	0.948779	0.0239552	0.94917	0.0289116	0.947006	0.0325766
0.0472783	0.940516	0.021491	0.956894	0.0325299	0.944213	0.0316117
0.0576431	0.933683	0.021626	0.953866	0.0338575	0.947977	0.0411948
0.083169	0.933143	0.0235243	0.953535	0.0304989	0.939525	0.0333223
0.0585421	0.924452	0.0234001	0.949436	0.0261882	0.932703	0.040192
0.0601066	0.912761	0.0270636	0.934665	0.0348068	0.933639	0.0412737
0.0680318	0.900055	0.0240331	0.943739	0.0320082	0.925112	0.0404035
0.0599696	0.890455	0.0195784	0.946967	0.0333088	0.921067	0.0401594
0.0536944	0.873049	0.0199216	0.939268	0.032976	0.902638	0.0387432
0.055433	0.860341	0.017567	0.931257	0.0282739	0.901192	0.0456721
0.0571688	0.848362	0.0239047	0.923999	0.0286709	0.894608	0.0461311
0.0595534	0.83491	0.0209001	0.907968	0.0263509	0.887993	0.0435281
0.0662731	0.824779	0.0237178	0.898171	0.0342898	0.869831	0.0342749
0.0639529	0.810684	0.0238247	0.893278	0.0308382	0.859483	0.0418677
0.0431788	0.791541	0.0258565	0.881777	0.0358725	0.841776	0.0264098
0.0567606	0.776719	0.0272842	0.863987	0.0299888	0.832202	0.024421
0.0502742	0.766121	0.0198046	0.85004	0.0250093	0.819982	0.0293084
0.0721674	0.751121	0.0158127	0.835149	0.0321872	0.805622	0.0327737
0.0606053	0.735851	0.0195358	0.819828	0.0202368	0.793141	0.0303243
0.063327	0.71986	0.0222635	0.810727	0.026333	0.764662	0.0284328
0.0693294	0.702482	0.0182763	0.790815	0.0353506	0.757591	0.0373221
0.0673099	0.684332	0.0178206	0.782704	0.0292132	0.736426	0.0277104
0.0724869	0.667626	0.0212963	0.758544	0.0269977	0.724528	0.0324112
0.0678885	0.653423	0.0233952	0.752536	0.0285852	0.712149	0.0401421
0.0582169	0.638065	0.0227133	0.731379	0.0268082	0.698303	0.0306327
0.0553115	0.618278	0.0201146	0.71607	0.0259126	0.679432	0.0295201
0.0765005	0.604878	0.0166912	0.696106	0.0215413	0.656409	0.0327598
0.0658757	0.592379	0.0188488	0.688606	0.0261793	0.63387	0.0232882
0.0723515	0.580488	0.0229229	0.663628	0.0308037	0.619202	0.0290145
0.0521904	0.566796	0.0231919	0.646129	0.0264734	0.611352	0.0320327
0.0681785	0.554433	0.0219174	0.626391	0.0254521	0.587574	0.030118
0.0587321	0.539603	0.018659	0.620975	0.0296443	0.577475	0.0331435
0.0546033	0.529373	0.0166572	0.592926	0.0175485	0.569084	0.0233754
0.0653275	0.523387	0.0156105	0.573961	0.0204951	0.542699	0.0236894
0.0458256	0.505531	0.0170759	0.557676	0.0238973	0.530406	0.0288133
0.0483486	0.490913	0.0175536	0.547483	0.0229567	0.51951	0.0267812
0.055513	0.484832	0.0169598	0.5286	0.0216894	0.499925	0.0232159
0.0463638	0.475742	0.018815	0.515107	0.024656	0.488914	0.0221391

0.0546257	0.464394	0.0184341	0.502353	0.0195272	0.469276	0.0287758
0.0592901	0.453569	0.0160815	0.482675	0.0256678	0.468766	0.0280096
0.0387106	0.444288	0.0126846	0.477908	0.0195175	0.448609	0.0252795
0.0533253	0.432365	0.0145221	0.464131	0.0231387	0.436	0.02719
0.0458121	0.41953	0.0148983	0.449414	0.0209002	0.428887	0.0215529
0.0583217	0.414076	0.0124657	0.438765	0.0293498	0.413865	0.0225472
0.0542186	0.405982	0.0133523	0.420779	0.0210994	0.402422	0.0333723
0.0453495	0.396132	0.0159635	0.411186	0.0164323	0.402276	0.0246522
0.041335	0.39163	0.0134076	0.404861	0.0179353	0.38989	0.0240087
0.0517301	0.386767	0.0115846	0.398061	0.0188258	0.380071	0.0179707
0.0539654	0.378732	0.0101309	0.382772	0.0190948	0.365584	0.0237639
0.0370652	0.375071	0.0103774	0.374549	0.0231174	0.349952	0.0198644
0.0388154	0.370044	0.0106426	0.355247	0.0193805	0.345211	0.0192353
0.0407964	0.360159	0.0105497	0.357702	0.0163879	0.33516	0.0214502
0.0365464	0.35249	0.0149426	0.341413	0.0154753	0.33309	0.0175944
0.0333821	0.348444	0.0117632	0.337006	0.0130727	0.323752	0.0155544
0.0411668	0.344128	0.0109243	0.330269	0.0148596	0.315594	0.0276043
0.0395034	0.338532	0.0115371	0.319989	0.0161723	0.316969	0.0231928
0.0411823	0.33315	0.015158	0.311344	0.0134432	0.311631	0.0185106
0.0335574	0.330677	0.0102832	0.313477	0.0184671	0.28999	0.0176235
0.0460177	0.324907	0.0112658	0.294548	0.018357	0.292934	0.022905
0.036022	0.315355	0.0162722	0.293995	0.0158417	0.283657	0.0180452
0.03925	0.309706	0.0137571	0.286219	0.0162968	0.276215	0.0140843
0.0322716	0.308114	0.0107267	0.288027	0.0104409	0.276982	0.0229223
0.0346414	0.305957	0.0101654	0.272664	0.0132386	0.268775	0.0200901
0.0411858	0.301387	0.0131925	0.270745	0.0129937	0.263251	0.0215282
0.0306591	0.295343	0.0142065	0.260436	0.0178948	0.260384	0.0204678
0.0268385	0.294584	0.0101172	0.259895	0.012901	0.258867	0.019892
0.0381088	0.290623	0.00818192	0.260199	0.0172787	0.246676	0.0210143
0.0348602	0.284869	0.0114583	0.249085	0.0171978	0.24311	0.0172687
0.0361705	0.283231	0.0116043	0.245906	0.0167303	0.239289	0.0185594
0.0378473	0.276476	0.0127805	0.239952	0.0140873	0.237602	0.0154251
0.0347298	0.272525	0.0139374	0.232611	0.0140705	0.227968	0.0157703
0.0306058	0.269772	0.0107791	0.231221	0.0105265	0.229418	0.0125239
0.0382161	0.267669	0.0107551	0.225468	0.0136278	0.221845	0.0180972
0.0271581	0.265296	0.0109784	0.223545	0.0145706	0.221429	0.0155388
0.0356827	0.261597	0.010477	0.216211	0.0155012	0.216135	0.0153627
0.0326509	0.261201	0.0132117	0.213982	0.014128	0.212964	0.0146097
0.0322201	0.259833	0.010473	0.210096	0.010217	0.207638	0.0196462
0.0311154	0.255473	0.00976098	0.210227	0.0112513	0.209606	0.0124068
0.0378099	0.25492	0.0101239	0.204755	0.015626	0.200679	0.0162127
0.0338507	0.251372	0.010012	0.199423	0.0131597	0.197333	0.0179001
0.0339479	0.247581	0.0109653	0.199042	0.012334	0.192417	0.0152791
0.0354896	0.248974	0.0116044	0.193134	0.0126111	0.188635	0.0184498
0.0383387	0.249254	0.0119215	0.190233	0.0131945	0.196382	0.0132816
0.0396512	0.250715	0.00938004	0.189643	0.0131971	0.18804	0.0118942
0.0381752	0.250464	0.00967716	0.190023	0.0123089	0.187883	0.0167628

0.0316589	0.25298	0.010526	0.189343	0.0148985	0.183809	0.0128855
0.0339491	0.256699	0.0100508	0.184591	0.0102186	0.188164	0.0149639
0.0327655	0.261576	0.00850483	0.184643	0.0106205	0.188796	0.0164008
0.0320728	0.26698	0.00916157	0.183584	0.0124738	0.182353	0.01404
0.0301792	0.273797	0.0110121	0.182528	0.0145553	0.19107	0.015013
0.0384695	0.280203	0.0120425	0.183721	0.0160807	0.189401	0.017355
0.0415115	0.284996	0.0124784	0.186081	0.0148133	0.192529	0.0148511
0.0368676	0.295719	0.012366	0.195317	0.0119537	0.198702	0.0194626
0.0339903	0.310272	0.0116014	0.196748	0.013842	0.204635	0.0133582
0.0411568	0.323902	0.0114976	0.197633	0.0142698	0.210276	0.0168589
0.0458891	0.336717	0.0109787	0.207135	0.0141042	0.215411	0.0121909
0.0326953	0.350819	0.0111387	0.212722	0.0132352	0.230429	0.0143525
0.0401049	0.366509	0.0119812	0.226473	0.013906	0.233228	0.0184979
0.0515572	0.387037	0.0144152	0.234862	0.013526	0.245426	0.0221248
0.0394696	0.405807	0.0137833	0.246761	0.0155626	0.259552	0.0165705
0.0523867	0.425861	0.0134653	0.256068	0.0172037	0.272059	0.0208442
0.0336263	0.446545	0.0101592	0.27182	0.0144898	0.285752	0.0233213
0.0560612	0.465416	0.010617	0.292741	0.0162033	0.30561	0.0156332
0.0490591	0.48622	0.0121822	0.301932	0.0193628	0.318542	0.0235122
0.0603253	0.505935	0.0140123	0.322045	0.0118688	0.343841	0.0185248
0.0574051	0.529698	0.0151862	0.339704	0.0171032	0.349795	0.0172956
0.0539122	0.54759	0.0168355	0.369546	0.0176415	0.380675	0.0176811
0.0656639	0.564156	0.0168158	0.388838	0.0201768	0.395477	0.0228594
0.0732415	0.586118	0.0158174	0.410568	0.0207992	0.411866	0.0273884
0.0602273	0.604491	0.014134	0.436697	0.0234429	0.437621	0.0261478
0.0542664	0.622502	0.0176964	0.455886	0.0234878	0.458697	0.0260232
0.0782791	0.635551	0.023812	0.472058	0.0259701	0.491165	0.028345
0.0755266	0.64784	0.0172335	0.501802	0.0267867	0.494893	0.0238509
0.067301	0.665585	0.0212245	0.519384	0.0192007	0.518857	0.025514
0.0741438	0.677589	0.0197984	0.541693	0.0197367	0.537361	0.0279279
0.0749942	0.680898	0.0201059	0.558471	0.0253307	0.557485	0.0241026
0.0879594	0.683094	0.0202966	0.581921	0.0234809	0.571465	0.0235049
0.0925311	0.687328	0.0189221	0.601203	0.0246205	0.589893	0.0349122
0.0967296	0.692113	0.020981	0.609388	0.0256675	0.592655	0.030601
0.079853	0.686562	0.0251264	0.634672	0.0303463	0.608836	0.0273712
0.0849879	0.672171	0.021696	0.639239	0.0322624	0.616039	0.0262889
0.102612	0.659537	0.0173055	0.652833	0.0354838	0.610406	0.026554
0.0854993	0.646843	0.0139434	0.659701	0.0274104	0.616983	0.0347793
0.101276	0.633347	0.015193	0.65317	0.0321107	0.619344	0.0287841
0.0929962	0.61498	0.0195891	0.662145	0.0325084	0.616628	0.0272638
0.073405	0.592149	0.0170789	0.664338	0.0288474	0.604736	0.0268609
0.106723	0.568012	0.015572	0.664166	0.0253508	0.594829	0.0286354
0.120978	0.542192	0.0141073	0.644667	0.0324011	0.58672	0.0336446
0.0922195	0.513	0.0153968	0.64113	0.0249493	0.57005	0.0281693
0.099384	0.482993	0.0120556	0.609956	0.0319298	0.556207	0.0306544
0.0939418	0.45482	0.0122267	0.598443	0.0240237	0.541707	0.0280303
0.0997095	0.427684	0.0144778	0.579055	0.0200652	0.517206	0.028462



0.0885118	0.4036	0.0131102	0.550964	0.030309	0.491369	0.0325071
0.0784901	0.377438	0.0136907	0.525346	0.0272267	0.453994	0.0262647
0.0737988	0.349235	0.0144286	0.502879	0.0218817	0.429826	0.0278824
0.0786694	0.327918	0.0130222	0.47282	0.020437	0.405457	0.0268368
0.0832691	0.303406	0.0102286	0.440703	0.0251306	0.373194	0.0203622
0.0612264	0.281539	0.0117688	0.408029	0.0162226	0.345709	0.0169579
0.0578752	0.269357	0.012716	0.378165	0.0183529	0.320792	0.0185395
0.0674407	0.25369	0.0113593	0.349063	0.0138694	0.294327	0.0192807
0.051268	0.235403	0.010396	0.323796	0.0187361	0.266897	0.0131805
0.0470863	0.224187	0.0100283	0.296916	0.0151954	0.25239	0.01772
0.0540734	0.213877	0.00893492	0.272312	0.0159684	0.22935	0.0150071
0.0415996	0.205153	0.0107251	0.254477	0.0193958	0.215886	0.0176982
0.047576	0.200263	0.00783811	0.229368	0.0126385	0.192531	0.0182062
0.0477401	0.194241	0.00692413	0.205016	0.0136874	0.179318	0.015408
0.0300142	0.188731	0.00861725	0.193949	0.0137532	0.167808	0.0148396
0.0365469	0.184174	0.00867567	0.178955	0.0138361	0.1548	0.0159584
0.028323	0.182258	0.00820797	0.169769	0.0140171	0.153115	0.0160662
0.035907	0.179604	0.00773793	0.155363	0.0104546	0.140002	0.0151528
0.0323528	0.176644	0.00764366	0.152262	0.0106037	0.136013	0.0152473
0.0299665	0.175718	0.00876643	0.140681	0.0130642	0.129518	0.0141955
0.0270815	0.17281	0.00836613	0.137292	0.0136263	0.126734	0.0115328
0.031839	0.170646	0.00737785	0.129839	0.00975833	0.123173	0.0099359
0.023076	0.172019	0.00778423	0.124343	0.0100539	0.123188	0.0125388
0.0252878	0.170635	0.00790476	0.12606	0.0121374	0.120441	0.0132091
0.0364125	0.168426	0.00921928	0.11696	0.00789095	0.115536	0.0120762
0.0260675	0.168203	0.0104183	0.117971	0.0100183	0.114628	0.0125982
0.0322828	0.168011	0.00751165	0.118163	0.0104184	0.116286	0.0124621
0.0224529	0.169347	0.00895898	0.118144	0.0114755	0.112013	0.0111058
0.0256496	0.170642	0.0095648	0.116209	0.00815836	0.112089	0.0118751
0.0286439	0.169194	0.0103954	0.113818	0.010363	0.115911	0.012722
0.0210231	0.167986	0.00741552	0.112355	0.0107474	0.112942	0.0133818
0.0259321	0.16953	0.00855666	0.116629	0.0101421	0.1117	0.010972
0.0207879	0.172645	0.00872184	0.112854	0.0108656	0.117062	0.0110926
0.0220968	0.171524	0.00807526	0.114237	0.00634563	0.119274	0.0122442
0.0207714	0.168712	0.00744397	0.115609	0.0107075	0.118575	0.0144215
0.0251081	0.169957	0.00732525	0.117696	0.0122816	0.117445	0.0119207
0.0198871	0.171598	0.0108847	0.117639	0.00963507	0.1132	0.0147284
0.0304519	0.173181	0.0113088	0.116846	0.0108413	0.112352	0.00919493
0.0254495	0.173956	0.00972527	0.114391	0.0111164	0.115713	0.01146
0.0226373	0.174948	0.00819171	0.11273	0.0119975	0.11606	0.0115266
0.0216702	0.176199	0.00781007	0.118237	0.011209	0.116497	0.0108618
0.0261412	0.175196	0.00759933	0.120065	0.0122582	0.118386	0.0103616
0.0235591	0.177419	0.0072629	0.119782	0.0105779	0.117551	0.0112159
0.0252912	0.179955	0.00914775	0.118832	0.0106206	0.118355	0.0104166
0.0252539	0.178117	0.0101948	0.120608	0.0122131	0.119774	0.0106866
0.0286642	0.174614	0.00852516	0.120549	0.0124759	0.11982	0.0125921
0.0198433	0.173785	0.00748054	0.122196	0.0106185	0.125282	0.0118697

0.0267957	0.176744	0.00869528	0.121443	0.0094337	0.126649	0.0143971
0.0205817	0.180199	0.0102275	0.119844	0.0101525	0.123433	0.0138334
0.0237775	0.179986	0.0126081	0.124366	0.0126281	0.12195	0.0120719
0.0275517	0.180411	0.00982481	0.123528	0.0089807	0.128604	0.0139932
0.0238738	0.182535	0.0102076	0.126564	0.0126246	0.129054	0.0117067
0.0248718	0.185136	0.00951424	0.12547	0.00966249	0.130736	0.0132092
0.0230128	0.187087	0.00862778	0.130993	0.00813954	0.126265	0.00929173
0.0272171	0.18818	0.010425	0.128428	0.00887737	0.133585	0.0131707
0.0195466	0.189007	0.0108048	0.127718	0.0109008	0.132981	0.015578
0.023979	0.18987	0.00858879	0.130624	0.00973808	0.136269	0.0120752
0.0260836	0.190732	0.00810961	0.132461	0.0118196	0.136967	0.0143256
0.0305166	0.189754	0.0110841	0.132284	0.0112092	0.136613	0.0116072
0.0246101	0.193048	0.0104957	0.133125	0.011096	0.138814	0.0158401
0.0211813	0.196322	0.0114637	0.139623	0.0115045	0.137149	0.013881
0.0290172	0.195233	0.0102278	0.140044	0.0108475	0.133634	0.0120355
0.0222481	0.193596	0.00885864	0.143092	0.0131492	0.140449	0.0143364
0.02394	0.197949	0.00890883	0.139486	0.00843923	0.143957	0.00897351
0.0311431	0.197629	0.00898524	0.143378	0.0100056	0.142836	0.0169299
0.0232894	0.194099	0.00905429	0.144162	0.0110193	0.147553	0.0125955
0.0252591	0.197444	0.0107786	0.145446	0.0118549	0.150248	0.0106334
0.0261131	0.199907	0.00967535	0.146529	0.014243	0.154051	0.0135478
0.0288547	0.20141	0.00861808	0.152456	0.0106938	0.150096	0.0140619
0.0235059	0.201863	0.00996916	0.149859	0.0151307	0.151975	0.0146699
0.0255689	0.20092	0.00988273	0.153107	0.010649	0.156639	0.0171358
0.0271253	0.204356	0.00790213	0.153167	0.00707604	0.157039	0.0139374
0.026893	0.201933	0.00898684	0.153682	0.0104289	0.156597	0.0107228
0.0321093	0.203049	0.00975137	0.159159	0.0151188	0.156721	0.0151804
0.0241523	0.208082	0.0093383	0.158896	0.0106804	0.161528	0.0131388

## SB Gy

mean	std
0.372716	0.0213241
0.380266	0.0261759
0.381494	0.0303519
0.383343	0.029217
0.372164	0.0223948
0.380273	0.0258454
0.37502	0.0201682
0.384129	0.0277388
0.376635	0.0294942
0.383255	0.033965
0.372901	0.0254062
0.371613	0.0267283
0.375027	0.0257698
0.376517	0.0267551
0.372764	0.023906
0.373007	0.0307179
0.371699	0.0209773
0.380479	0.031546
0.384404	0.0293727
0.389884	0.0297627
0.391656	0.0274233
0.399688	0.0238505
0.410974	0.0250151
0.408896	0.0235667
0.421748	0.0236502
0.4241	0.0249547
0.416492	0.0285785
0.415808	0.0241955
0.416166	0.0305974
0.407442	0.023805
0.398192	0.0233872
0.394454	0.0223466
0.387544	0.0273999
0.383359	0.0315601
0.370008	0.0225174
0.370649	0.0260253
0.371458	0.0252193
0.374266	0.0231795
0.378974	0.0269045
0.380536	0.0242832
0.390441	0.0236091
0.399948	0.0243715
0.412937	0.0172393
0.43221	0.0303715
0.450375	0.025193

0.472457	0.0277405
0.498	0.0292648
0.512533	0.0328701
0.515413	0.0293187
0.530284	0.0355724
0.520182	0.03097
0.511319	0.0291712
0.495357	0.0286304
0.476559	0.0297605
0.455196	0.0236857
0.431886	0.0298639
0.425728	0.0258066
0.405181	0.0233254
0.393977	0.0290388
0.395433	0.0249935
0.397644	0.0212563
0.396738	0.0225985
0.41182	0.0234825
0.426622	0.023352
0.473306	0.0280582
0.546224	0.0327075
0.632605	0.0390847
0.751081	0.0510928
0.903525	0.0600441
1.10555	0.0808396
1.30088	0.105435
1.51293	0.128142
1.69474	0.124461
1.82472	0.14738
1.89005	0.139062
1.89167	0.147937
1.82637	0.1431
1.68839	0.129044
1.54518	0.101766
1.34241	0.0978442
1.17637	0.0739933
1.048	0.0608868
0.929764	0.0550786
0.844002	0.0460938
0.798807	0.042529
0.759484	0.0497701
0.739432	0.0408895
0.722478	0.0376147
0.711702	0.036852
0.713068	0.0344655
0.715768	0.0485585
0.707745	0.0404225

0.70294	0.0483059
0.69537	0.0524448
0.658041	0.0426863
0.619547	0.054873
0.596756	0.0603676
0.571603	0.0478929
0.554683	0.0407247
0.560185	0.0433066
0.56399	0.0399822
0.570893	0.0320076
0.593637	0.0300065
0.617765	0.0384793
0.638362	0.0392277
0.654538	0.0403441
0.663806	0.0299902
0.672772	0.0273933
0.673502	0.0333002
0.682997	0.0307671
0.700228	0.0397011
0.705575	0.0356558
0.735114	0.0378579
0.767705	0.0382508
0.84213	0.0382054
0.963136	0.0428276
1.15721	0.054753
1.49855	0.068892
2.05752	0.0840323
2.92723	0.119234
4.27618	0.156162
6.28791	0.231019
9.13014	0.310094
12.9534	0.451718
17.8921	0.650147
23.8371	0.826144
30.6409	1.0168
37.7573	1.32311
44.5817	1.5909
50.4373	1.81811
54.5841	1.91153
56.4233	1.97923
55.7988	1.94306
52.7842	1.81533
47.7514	1.65581
41.3805	1.43442
34.315	1.16852
27.3487	0.939717
21.0934	0.739198

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8.75696	0.310487
6.78892	0.229867
5.58353	0.192327
4.90036	0.176586
4.54975	0.171108
4.34428	0.160519
4.16705	0.143103
3.91412	0.138431
3.59086	0.140698
3.1958	0.111948
2.75212	0.0897652
2.2936	0.0769859
1.88007	0.071502
1.49248	0.0614355
1.1772	0.0450162
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0.601404	0.0281233
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1.53845	0.17251
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1.51674	0.181831
1.43153	0.152791
1.32344	0.140409
1.1962	0.131814
1.0775	0.110467
0.976032	0.0815855
0.886271	0.0589615
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62.1404	2.1598
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143.108	5.02775
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0.361418	0.023488
0.36631	0.0250857
0.368611	0.022338
0.372983	0.0247618
0.373695	0.0203167
0.372565	0.0238763
0.367507	0.0252263

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0.374305	0.0237585
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0.382458	0.026142
0.387572	0.022275
0.390933	0.0248179
0.393666	0.0231348
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0.422185	0.0243386
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0.78513	0.0595718
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