

wavenumber Re(epsilon) Im(epsilon)
[cm-1]

10	33.19762	1.36291
10.16857	33.22728	1.38878
10.33714	33.2575	1.41482
10.50571	33.28831	1.44101
10.67429	33.3197	1.46737
10.84286	33.35167	1.4939
11.01143	33.38424	1.5206
11.18	33.4174	1.54747
11.34857	33.45116	1.57453
11.51714	33.48553	1.60178
11.68571	33.52051	1.62921
11.85429	33.5561	1.65684
12.02286	33.59232	1.68466
12.19143	33.62916	1.71269
12.36	33.66663	1.74093
12.52857	33.70474	1.76937
12.69714	33.7435	1.79804
12.86571	33.7829	1.82692
13.03429	33.82296	1.85603
13.20286	33.86368	1.88538
13.37143	33.90506	1.91496
13.54	33.94712	1.94478
13.70857	33.98986	1.97485
13.87714	34.03328	2.00517
14.04571	34.0774	2.03574
14.21429	34.12222	2.06659
14.38286	34.16774	2.0977
14.55143	34.21399	2.12909
14.72	34.26094	2.16076
14.88857	34.30864	2.19272
15.05714	34.35707	2.22497
15.22571	34.40624	2.25753
15.39429	34.45617	2.29039
15.56286	34.50686	2.32357
15.73143	34.55832	2.35707
15.9	34.61055	2.3909
16.06857	34.66358	2.42506
16.23714	34.7174	2.45957
16.40571	34.77203	2.49443
16.57429	34.82747	2.52966
16.74286	34.88373	2.56525
16.91143	34.94083	2.60121
17.08	34.99878	2.63756
17.24857	35.05758	2.67431
17.41714	35.11724	2.71146
17.58571	35.17779	2.74902
17.75429	35.23922	2.787
17.92286	35.30154	2.82541
18.09143	35.36478	2.86427
18.26	35.42894	2.90358

18.42857	35.49403	2.94335
18.59714	35.56007	2.98359
18.76571	35.62706	3.02432
18.93429	35.69503	3.06555
19.10286	35.76398	3.10728
19.27143	35.83393	3.14954
19.44	35.90489	3.19233
19.60857	35.97688	3.23566
19.77714	36.0499	3.27956
19.94571	36.12398	3.32402
20.11429	36.19913	3.36908
20.28286	36.27536	3.41474
20.45143	36.35269	3.46101
20.62	36.43114	3.50792
20.78857	36.51072	3.55548
20.95714	36.59145	3.6037
21.12571	36.67335	3.65261
21.29428	36.75642	3.70221
21.46286	36.84071	3.75253
21.63143	36.92621	3.80359
21.8	37.01295	3.85541
21.96857	37.10095	3.908
22.13714	37.19023	3.96139
22.30571	37.2808	4.0156
22.47429	37.3727	4.07065
22.64286	37.46593	4.12656
22.81143	37.56053	4.18335
22.98	37.65651	4.24106
23.14857	37.75389	4.2997
23.31714	37.8527	4.35931
23.48571	37.95296	4.4199
23.65429	38.0547	4.48151
23.82286	38.15794	4.54417
23.99143	38.26271	4.6079
24.16	38.36902	4.67275
24.32857	38.47693	4.73873
24.49714	38.58643	4.80588
24.66571	38.69756	4.87424
24.83429	38.81036	4.94384
25.00286	38.92484	5.01473
25.17143	39.04105	5.08693
25.34	39.15901	5.1605
25.50857	39.27874	5.23546
25.67714	39.40029	5.31187
25.84571	39.52369	5.38977
26.01429	39.64896	5.46921
26.18286	39.77614	5.55023
26.35143	39.90526	5.63289
26.52	40.03638	5.71725
26.68857	40.1695	5.80334
26.85714	40.30468	5.89124
27.02571	40.44195	5.981
27.19429	40.58135	6.07268

27.36286	40.72292	6.16634
27.53143	40.86669	6.26207
27.7	41.01271	6.35992
27.86857	41.16103	6.45996
28.03714	41.31166	6.56229
28.20572	41.46468	6.66696
28.37429	41.62011	6.77408
28.54286	41.778	6.88372
28.71143	41.93841	6.99598
28.88	42.10136	7.11095
29.04857	42.2669	7.22873
29.21714	42.43509	7.34943
29.38571	42.60597	7.47315
29.55429	42.77959	7.6
29.72286	42.95599	7.73011
29.89143	43.13523	7.8636
30.06	43.31735	8.00059
30.22857	43.50241	8.14124
30.39714	43.69043	8.28567
30.56571	43.88148	8.43404
30.73429	44.07562	8.58651
30.90286	44.27288	8.74324
31.07143	44.4733	8.9044
31.24	44.67695	9.07018
31.40857	44.88386	9.24076
31.57714	45.09407	9.41634
31.74571	45.30764	9.59714
31.91429	45.5246	9.78337
32.08286	45.74499	9.97527
32.25143	45.96884	10.17306
32.42	46.19619	10.37703
32.58857	46.42706	10.58742
32.75714	46.6615	10.80453
32.92571	46.89949	11.02865
33.09428	47.14108	11.26008
33.26286	47.38625	11.49916
33.43143	47.63503	11.74623
33.6	47.88739	12.00166
33.76857	48.14331	12.26582
33.93714	48.40278	12.53911
34.10571	48.66577	12.82196
34.27428	48.93219	13.11481
34.44286	49.202	13.41811
34.61143	49.4751	13.73237
34.78	49.75141	14.05809
34.94857	50.03077	14.3958
35.11714	50.31307	14.74609
35.28571	50.59811	15.10953
35.45428	50.88568	15.48675
35.62286	51.17556	15.8784
35.79143	51.46749	16.28516
35.96	51.76112	16.70773
36.12857	52.0561	17.14687

36.29714	52.35204	17.60333
36.46571	52.64845	18.07793
36.63428	52.94482	18.57151
36.80286	53.24055	19.08492
36.97143	53.53497	19.61905
37.14	53.82732	20.17483
37.30857	54.11678	20.7532
37.47714	54.40239	21.35511
37.64571	54.68311	21.98157
37.81429	54.95775	22.63353
37.98286	55.22505	23.31202
38.15143	55.48354	24.018
38.32	55.73165	24.75246
38.48857	55.96761	25.51634
38.65714	56.18951	26.31053
38.82571	56.39525	27.1359
38.99429	56.58249	27.99319
39.16286	56.74874	28.88307
39.33143	56.89126	29.80606
39.5	57.00711	30.76256
39.66857	57.09309	31.75271
39.83714	57.14583	32.77648
40.00571	57.16167	33.83355
40.17429	57.13679	34.92327
40.34286	57.06713	36.04462
40.51143	56.94853	37.1962
40.68	56.77658	38.37607
40.84857	56.54688	39.58184
41.01714	56.25493	40.8105
41.18571	55.89626	42.05842
41.35429	55.46654	43.32131
41.52286	54.96162	44.59418
41.69143	54.37768	45.87133
41.86	53.7113	47.14631
42.02857	52.95967	48.41199
42.19714	52.12066	49.66056
42.36572	51.19295	50.8836
42.53429	50.17624	52.07221
42.70286	49.07128	53.21711
42.87143	47.88006	54.30878
43.04	46.60583	55.3377
43.20857	45.25319	56.29448
43.37714	43.82804	57.17017
43.54572	42.33764	57.95644
43.71429	40.79041	58.64579
43.88286	39.1959	59.23183
44.05143	37.56454	59.70942
44.22	35.90749	60.07484
44.38857	34.23633	60.32589
44.55714	32.56285	60.46198
44.72572	30.89875	60.48409
44.89429	29.25539	60.39475
45.06286	27.64355	60.19792

45.23143	26.0732	59.89888
45.4	24.55334	59.50401
45.56857	23.09183	59.02062
45.73714	21.69535	58.45671
45.90572	20.36933	57.8208
46.07429	19.11794	57.12162
46.24286	17.94414	56.36801
46.41143	16.84975	55.5687
46.58	15.83553	54.73215
46.74857	14.90125	53.86648
46.91714	14.04592	52.9793
47.08571	13.26774	52.07763
47.25428	12.56439	51.16798
47.42286	11.93306	50.25618
47.59143	11.37057	49.34747
47.76	10.87348	48.44642
47.92857	10.43816	47.55706
48.09714	10.0609	46.68283
48.26571	9.73794	45.82666
48.43428	9.46555	44.99094
48.60286	9.24005	44.17769
48.77143	9.05789	43.38847
48.94	8.91563	42.6245
49.10857	8.80996	41.8867
49.27714	8.73777	41.17569
49.44571	8.69609	40.49187
49.61428	8.68214	39.83542
49.78286	8.69331	39.20634
49.95143	8.72717	38.60448
50.12	8.78144	38.02959
50.28857	8.85402	37.48129
50.45714	8.94296	36.95913
50.62571	9.04647	36.46258
50.79428	9.16289	35.99109
50.96286	9.29068	35.54403
51.13143	9.42847	35.12077
51.3	9.57494	34.72065
51.46857	9.72892	34.343
51.63714	9.88934	33.98716
51.80571	10.05521	33.65244
51.97429	10.22561	33.33818
52.14286	10.39973	33.04372
52.31143	10.57681	32.76842
52.48	10.75615	32.51164
52.64857	10.93713	32.27276
52.81714	11.11917	32.05119
52.98571	11.30175	31.84634
53.15429	11.48437	31.65765
53.32286	11.66661	31.48458
53.49143	11.84805	31.3266
53.66	12.02833	31.18321
53.82857	12.20711	31.05392
53.99714	12.38408	30.93827

54.16571	12.55894	30.8358
54.33429	12.73144	30.7461
54.50286	12.90133	30.66873
54.67143	13.06838	30.60331
54.84	13.23238	30.54946
55.00857	13.39315	30.50681
55.17714	13.55049	30.47502
55.34571	13.70424	30.45374
55.51429	13.85424	30.44266
55.68286	14.00034	30.44147
55.85143	14.14239	30.44987
56.02	14.28026	30.46756
56.18857	14.41383	30.4943
56.35714	14.54296	30.52979
56.52571	14.66755	30.57379
56.69429	14.78747	30.62606
56.86286	14.90261	30.68635
57.03143	15.01288	30.75443
57.2	15.11816	30.83008
57.36857	15.21834	30.91308
57.53714	15.31334	31.00323
57.70572	15.40305	31.10031
57.87429	15.48738	31.20411
58.04286	15.56622	31.31446
58.21143	15.63948	31.43115
58.38	15.70707	31.55399
58.54857	15.76888	31.6828
58.71714	15.82483	31.81739
58.88572	15.87482	31.95757
59.05429	15.91875	32.10318
59.22286	15.95653	32.25402
59.39143	15.98808	32.40992
59.56	16.01327	32.5707
59.72857	16.03204	32.73618
59.89714	16.04429	32.90618
60.06572	16.04991	33.08053
60.23429	16.04881	33.25903
60.40286	16.0409	33.44151
60.57143	16.0261	33.62778
60.74	16.00429	33.81766
60.90857	15.97542	34.01096
61.07714	15.93936	34.20749
61.24572	15.89605	34.40704
61.41429	15.84538	34.60944
61.58286	15.78729	34.81446
61.75143	15.72168	35.02193
61.92	15.64846	35.23162
62.08857	15.56757	35.44331
62.25714	15.47893	35.65681
62.42571	15.38247	35.87189
62.59428	15.27811	36.08833
62.76286	15.1658	36.30589
62.93143	15.04546	36.52435

63.1	14.91705	36.74346
63.26857	14.78052	36.963
63.43714	14.63582	37.1827
63.60571	14.4829	37.40233
63.77428	14.32174	37.62164
63.94286	14.15231	37.84035
64.11143	13.97459	38.05822
64.28	13.78856	38.27497
64.44857	13.59422	38.49033
64.61714	13.39158	38.70404
64.78571	13.18064	38.91581
64.95428	12.96142	39.12537
65.12286	12.73396	39.33244
65.29143	12.4983	39.53672
65.46	12.25449	39.73796
65.62857	12.00258	39.93584
65.79714	11.74264	40.13008
65.96571	11.47476	40.32041
66.13428	11.19903	40.50651
66.30286	10.91555	40.68811
66.47143	10.62444	40.86493
66.64	10.32583	41.03669
66.80857	10.01986	41.20309
66.97714	9.70667	41.36385
67.14571	9.38643	41.5187
67.31429	9.05933	41.66739
67.48286	8.72553	41.80962
67.65143	8.38525	41.94516
67.82	8.0387	42.07373
67.98857	7.6861	42.1951
68.15714	7.32768	42.30901
68.32571	6.96368	42.41526
68.49429	6.59437	42.5136
68.66286	6.22002	42.60384
68.83143	5.84089	42.68576
69	5.45728	42.75917
69.16857	5.06948	42.82391
69.33714	4.6778	42.8798
69.50571	4.28254	42.92669
69.67429	3.88404	42.96443
69.84286	3.4826	42.99289
70.01143	3.07858	43.01198
70.18	2.6723	43.02157
70.34857	2.2641	43.02161
70.51714	1.85433	43.01201
70.68571	1.44334	42.99272
70.85429	1.03148	42.9637
71.02286	0.6191	42.92493
71.19143	0.20656	42.8764
71.36	-0.20581	42.81812
71.52857	-0.61764	42.75012
71.69714	-1.0286	42.67244
71.86572	-1.43833	42.58512

72.03429	-1.8465	42.48825
72.20286	-2.25277	42.38191
72.37143	-2.65682	42.2662
72.54	-3.05831	42.14122
72.70857	-3.45694	42.00711
72.87714	-3.85239	41.86401
73.04572	-4.24437	41.71207
73.21429	-4.63258	41.55145
73.38286	-5.01675	41.38233
73.55143	-5.39659	41.20492
73.72	-5.77185	41.01937
73.88857	-6.14229	40.82593
74.05714	-6.50765	40.62479
74.22572	-6.86772	40.4162
74.39429	-7.22228	40.20037
74.56286	-7.57113	39.97754
74.73143	-7.91407	39.74796
74.9	-8.25094	39.51188
75.06857	-8.58156	39.26955
75.23714	-8.90579	39.02123
75.40572	-9.22349	38.76718
75.57429	-9.53452	38.50767
75.74286	-9.83878	38.24295
75.91143	-10.13616	37.97329
76.08	-10.42658	37.69896
76.24857	-10.70995	37.42023
76.41714	-10.98623	37.13736
76.58572	-11.25533	36.85061
76.75429	-11.51724	36.56025
76.92286	-11.77191	36.26653
77.09143	-12.01933	35.96972
77.26	-12.25948	35.67006
77.42857	-12.49237	35.36781
77.59715	-12.718	35.06319
77.76572	-12.93639	34.75647
77.93429	-13.14758	34.44787
78.10286	-13.35159	34.13763
78.27143	-13.54847	33.82597
78.44	-13.73827	33.51309
78.60857	-13.92105	33.19923
78.77715	-14.09688	32.8846
78.94572	-14.26581	32.56937
79.11429	-14.42794	32.25377
79.28286	-14.58334	31.93796
79.45143	-14.73209	31.62214
79.62	-14.8743	31.30647
79.78857	-15.01006	30.99113
79.95715	-15.13946	30.67628
80.12572	-15.26261	30.36208
80.29429	-15.37962	30.04867
80.46286	-15.49059	29.73619
80.63143	-15.59563	29.42479
80.8	-15.69487	29.11458

80.96857	-15.7884	28.8057
81.13715	-15.87636	28.49826
81.30572	-15.95885	28.19238
81.47429	-16.03601	27.88814
81.64286	-16.10793	27.58566
81.81143	-16.17476	27.28503
81.98	-16.2366	26.98633
82.14857	-16.29357	26.68966
82.31715	-16.3458	26.39508
82.48572	-16.39341	26.10266
82.65429	-16.43651	25.81248
82.82286	-16.47522	25.52459
82.99143	-16.50967	25.23907
83.16	-16.53997	24.95594
83.32858	-16.56622	24.67526
83.49715	-16.58855	24.39708
83.66572	-16.60707	24.12144
83.83428	-16.62189	23.84838
84.00285	-16.63313	23.57793
84.17142	-16.64088	23.3101
84.34	-16.64526	23.04494
84.50857	-16.64637	22.78245
84.67714	-16.64432	22.52267
84.84571	-16.6392	22.26561
85.01428	-16.63112	22.01128
85.18285	-16.62017	21.75968
85.35143	-16.60645	21.51084
85.52	-16.59005	21.26475
85.68857	-16.57106	21.02142
85.85714	-16.54959	20.78084
86.02571	-16.5257	20.54302
86.19428	-16.49949	20.30796
86.36285	-16.47105	20.07564
86.53143	-16.44044	19.84607
86.7	-16.40777	19.61923
86.86857	-16.37309	19.39511
87.03714	-16.33649	19.1737
87.20571	-16.29805	18.95498
87.37428	-16.25782	18.73896
87.54285	-16.21589	18.52559
87.71143	-16.17233	18.31489
87.88	-16.1272	18.10682
88.04857	-16.08056	17.90136
88.21714	-16.03248	17.6985
88.38571	-15.98302	17.49821
88.55428	-15.93223	17.30048
88.72285	-15.88018	17.10529
88.89143	-15.82692	16.9126
89.06	-15.77251	16.7224
89.22857	-15.717	16.53467
89.39714	-15.66044	16.34938
89.56571	-15.60288	16.16651
89.73428	-15.54437	15.98603

89.90285	-15.48495	15.80791
90.07143	-15.42468	15.63214
90.24	-15.36359	15.45869
90.40857	-15.30173	15.28752
90.57714	-15.23913	15.11862
90.74571	-15.17585	14.95195
90.91428	-15.11191	14.7875
91.08286	-15.04735	14.62524
91.25143	-14.98222	14.46514
91.42	-14.91654	14.30716
91.58857	-14.85034	14.1513
91.75714	-14.78367	13.99751
91.92571	-14.71656	13.84579
92.09428	-14.64902	13.69608
92.26286	-14.5811	13.54839
92.43143	-14.51282	13.40266
92.6	-14.4442	13.25889
92.76857	-14.37529	13.11704
92.93714	-14.30609	12.97709
93.10571	-14.23664	12.83901
93.27428	-14.16695	12.70278
93.44286	-14.09706	12.56837
93.61143	-14.02699	12.43576
93.78	-13.95674	12.30492
93.94857	-13.88635	12.17583
94.11714	-13.81584	12.04846
94.28571	-13.74523	11.92279
94.45428	-13.67452	11.7988
94.62286	-13.60375	11.67646
94.79143	-13.53292	11.55575
94.96	-13.46206	11.43664
95.12857	-13.39118	11.31911
95.29714	-13.32029	11.20314
95.46571	-13.24941	11.08871
95.63428	-13.17856	10.9758
95.80286	-13.10774	10.86437
95.97143	-13.03697	10.75442
96.14	-12.96626	10.64592
96.30857	-12.89563	10.53884
96.47714	-12.82509	10.43318
96.64571	-12.75464	10.3289
96.81429	-12.6843	10.22598
96.98286	-12.61407	10.12441
97.15143	-12.54397	10.02417
97.32	-12.474	9.92524
97.48857	-12.40418	9.82759
97.65714	-12.33452	9.73121
97.82571	-12.26501	9.63608
97.99429	-12.19567	9.54219
98.16286	-12.12651	9.4495
98.33143	-12.05753	9.35801
98.5	-11.98875	9.2677
98.66857	-11.92016	9.17855

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99.51143	-11.58036	8.7496
99.68	-11.51307	8.66705
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100.01714	-11.37919	8.50508
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101.36572	-10.85365	7.89657
101.53429	-10.78913	7.82469
101.70286	-10.72489	7.75371
101.87143	-10.66091	7.6836
102.04	-10.59721	7.61435
102.20857	-10.53378	7.54595
102.37714	-10.47064	7.47838
102.54572	-10.40777	7.41164
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102.88286	-10.28287	7.28057
103.05143	-10.22085	7.21622
103.22	-10.15912	7.15266
103.38857	-10.09767	7.08985
103.55714	-10.03651	7.0278
103.72572	-9.97563	6.96649
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108.95143	-8.23195	5.38191
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115.86285	-6.32692	3.96583
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116.2	-6.24445	3.91082
116.36857	-6.20355	3.88372
116.53714	-6.16287	3.85688

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118.22285	-5.768	3.60234
118.39143	-5.72967	3.5782
118.56	-5.69156	3.55429
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118.89714	-5.61593	3.50715
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131.20285	-3.33475	2.2532
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131.53999	-3.28338	2.22847
131.70857	-3.25788	2.21625
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132.38286	-3.15712	2.16833
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132.72	-3.10747	2.14491
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136.25999	-2.61391	1.91944
136.42857	-2.59161	1.90956
136.59714	-2.56941	1.89975
136.76572	-2.54732	1.89002
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137.10286	-2.50344	1.87076
137.27142	-2.48165	1.86123
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137.60857	-2.43838	1.84239
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137.94571	-2.39551	1.82382
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138.28285	-2.35304	1.80551
138.45143	-2.33194	1.79645
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139.8	-2.16664	1.72629
139.96857	-2.1464	1.71779
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142.16	-1.89137	1.61258
142.32857	-1.87237	1.60488
142.49715	-1.85344	1.59722
142.66571	-1.8346	1.58961
142.83429	-1.81584	1.58206
143.00285	-1.79716	1.57456
143.17143	-1.77857	1.56711
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144.01428	-1.68682	1.5306
144.18286	-1.66871	1.52344
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144.85715	-1.59705	1.49529
145.02571	-1.57933	1.48836
145.19429	-1.56169	1.48149
145.36285	-1.54412	1.47466
145.53143	-1.52663	1.46787
145.7	-1.50921	1.46113
145.86858	-1.49187	1.45443
146.03714	-1.4746	1.44778
146.20572	-1.45741	1.44116
146.37428	-1.44029	1.4346
146.54286	-1.42324	1.42807
146.71143	-1.40627	1.42159
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147.04857	-1.37254	1.40875
147.21715	-1.35578	1.40239
147.38571	-1.33909	1.39607
147.55429	-1.32247	1.38979
147.72285	-1.30593	1.38356
147.89143	-1.28945	1.37736
148.06	-1.27305	1.3712
148.22858	-1.25671	1.36508
148.39714	-1.24044	1.35901
148.56572	-1.22424	1.35296
148.73428	-1.2081	1.34696
148.90286	-1.19204	1.341
149.07143	-1.17604	1.33507
149.24001	-1.16011	1.32918
149.40857	-1.14424	1.32333
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149.91429	-1.09704	1.30599
150.08286	-1.08144	1.30028
150.25143	-1.0659	1.29461
150.42	-1.05043	1.28897
150.58858	-1.03501	1.28337
150.75714	-1.01967	1.27781
150.92572	-1.00438	1.27227
151.09428	-0.98916	1.26677
151.26286	-0.974	1.26131
151.43143	-0.95891	1.25588
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151.76857	-0.9289	1.24512
151.93715	-0.91398	1.23978
152.10571	-0.89913	1.23448
152.27429	-0.88434	1.22922

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152.61143	-0.85494	1.21878
152.78	-0.84032	1.21361
152.94858	-0.82577	1.20847
153.11714	-0.81128	1.20336
153.28572	-0.79684	1.19828
153.45428	-0.78246	1.19323
153.62286	-0.76814	1.18821
153.79143	-0.75388	1.18323
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154.12857	-0.72552	1.17334
154.29715	-0.71143	1.16844
154.46571	-0.69739	1.16357
154.63429	-0.68341	1.15873
154.80286	-0.66949	1.15392
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155.14	-0.64181	1.14438
155.30858	-0.62805	1.13965
155.47714	-0.61434	1.13495
155.64572	-0.60069	1.13028
155.81429	-0.58709	1.12564
155.98286	-0.57355	1.12102
156.15143	-0.56006	1.11643
156.32001	-0.54662	1.11186
156.48857	-0.53324	1.10733
156.65715	-0.5199	1.10282
156.82571	-0.50662	1.09833
156.99429	-0.4934	1.09387
157.16286	-0.48022	1.08944
157.33144	-0.46709	1.08503
157.5	-0.45402	1.08065
157.66856	-0.441	1.0763
157.83714	-0.42802	1.07197
158.00571	-0.4151	1.06766
158.17429	-0.40223	1.06338
158.34285	-0.38941	1.05912
158.51143	-0.37663	1.05489
158.67999	-0.36391	1.05068
158.84857	-0.35123	1.04649
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159.18571	-0.32603	1.0382
159.35428	-0.3135	1.03408
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159.69142	-0.28858	1.02592
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160.36571	-0.23932	1.00988
160.53429	-0.22712	1.00592
160.70285	-0.21496	1.00199
160.87143	-0.20286	0.99808
161.03999	-0.1908	0.99419
161.20857	-0.17878	0.99032

161.37714	-0.16681	0.98648
161.54572	-0.15488	0.98265
161.71428	-0.143	0.97885
161.88286	-0.13116	0.97507
162.05142	-0.11937	0.97131
162.22	-0.10763	0.96756
162.38857	-0.09592	0.96384
162.55714	-0.08426	0.96014
162.72571	-0.07264	0.95646
162.89429	-0.06107	0.9528
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163.23143	-0.03805	0.94555
163.39999	-0.02661	0.94195
163.56857	-0.0152	0.93836
163.73714	-0.00384	0.9348
163.90572	0.00747	0.93126
164.07428	0.01875	0.92774
164.24286	0.02999	0.92423
164.41142	0.04118	0.92075
164.58	0.05233	0.91728
164.74857	0.06344	0.91384
164.91714	0.07452	0.91041
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165.25429	0.09654	0.9036
165.42285	0.10749	0.90023
165.59143	0.1184	0.89687
165.75999	0.12927	0.89354
165.92857	0.1401	0.89021
166.09714	0.15089	0.88691
166.26572	0.16164	0.88363
166.43428	0.17236	0.88036
166.60286	0.18303	0.87711
166.77142	0.19367	0.87387
166.94	0.20427	0.87065
167.10857	0.21483	0.86746
167.27715	0.22535	0.86427
167.44571	0.23583	0.86111
167.61429	0.24628	0.85796
167.78285	0.25669	0.85482
167.95143	0.26706	0.8517
168.12	0.2774	0.8486
168.28857	0.28769	0.84552
168.45714	0.29795	0.84245
168.62572	0.30818	0.8394
168.79428	0.31837	0.83636
168.96286	0.32852	0.83334
169.13142	0.33864	0.83033
169.3	0.34872	0.82734
169.46857	0.35876	0.82437
169.63715	0.36877	0.82141
169.80571	0.37874	0.81846
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170.64857	0.42809	0.80396
170.81714	0.43786	0.80111
170.98572	0.44759	0.79827
171.15428	0.45728	0.79544
171.32286	0.46695	0.79263
171.49142	0.47658	0.78983
171.66	0.48618	0.78704
171.82857	0.49574	0.78427
171.99715	0.50527	0.78152
172.16571	0.51477	0.77878
172.33429	0.52423	0.77605
172.50285	0.53366	0.77333
172.67143	0.54306	0.77063
172.84	0.55243	0.76794
173.00858	0.56176	0.76527
173.17714	0.57106	0.76261
173.34572	0.58033	0.75996
173.51428	0.58957	0.75732
173.68286	0.59878	0.7547
173.85143	0.60795	0.75209
174.02	0.6171	0.7495
174.18857	0.62621	0.74691
174.35715	0.63529	0.74434
174.52571	0.64434	0.74178
174.69429	0.65336	0.73924
174.86285	0.66235	0.73671
175.03143	0.67131	0.73419
175.2	0.68024	0.73168
175.36858	0.68914	0.72918
175.53714	0.698	0.7267
175.70572	0.70684	0.72423
175.87428	0.71565	0.72177
176.04286	0.72443	0.71932
176.21143	0.73318	0.71688
176.38	0.7419	0.71446
176.54857	0.75059	0.71205
176.71715	0.75925	0.70965
176.88571	0.76788	0.70726
177.05429	0.77648	0.70488
177.22285	0.78506	0.70251
177.39143	0.79361	0.70016
177.56	0.80212	0.69781
177.72858	0.81061	0.69548
177.89714	0.81907	0.69316
178.06572	0.82751	0.69085
178.23428	0.83591	0.68855
178.40286	0.84429	0.68626
178.57143	0.85264	0.68399
178.74001	0.86096	0.68172
178.90857	0.86925	0.67946
179.07715	0.87752	0.67722

179.24571	0.88576	0.67498
179.41429	0.89398	0.67276
179.58286	0.90216	0.67055
179.75143	0.91032	0.66834
179.92	0.91845	0.66615
180.08858	0.92656	0.66397
180.25714	0.93464	0.66179
180.42572	0.94269	0.65963
180.59428	0.95072	0.65748
180.76286	0.95872	0.65534
180.93143	0.96669	0.65321
181.10001	0.97464	0.65108
181.26857	0.98256	0.64897
181.43715	0.99046	0.64687
181.60571	0.99833	0.64478
181.77429	1.00618	0.64269
181.94286	1.014	0.64062
182.11143	1.0218	0.63856
182.28	1.02957	0.6365
182.44858	1.03731	0.63446
182.61714	1.04503	0.63242
182.78572	1.05273	0.63039
182.95428	1.0604	0.62838
183.12286	1.06805	0.62637
183.29143	1.07567	0.62437
183.46001	1.08327	0.62238
183.62857	1.09084	0.6204
183.79715	1.09839	0.61843
183.96571	1.10591	0.61647
184.13429	1.11342	0.61452
184.30286	1.12089	0.61257
184.47144	1.12835	0.61063
184.64	1.13578	0.60871
184.80858	1.14319	0.60679
184.97714	1.15057	0.60488
185.14572	1.15793	0.60298
185.31429	1.16527	0.60109
185.48286	1.17258	0.5992
185.65143	1.17987	0.59733
185.82001	1.18714	0.59546
185.98857	1.19438	0.5936
186.15715	1.2016	0.59175
186.32571	1.2088	0.58991
186.49429	1.21598	0.58807
186.66286	1.22314	0.58625
186.83144	1.23027	0.58443
187	1.23738	0.58262
187.16856	1.24447	0.58082
187.33714	1.25153	0.57902
187.50571	1.25858	0.57724
187.67429	1.2656	0.57546
187.84285	1.2726	0.57369
188.01143	1.27958	0.57193

188.17999	1.28653	0.57017
188.34857	1.29347	0.56843
188.51714	1.30038	0.56669
188.68571	1.30728	0.56496
188.85428	1.31415	0.56323
189.02286	1.321	0.56152
189.19142	1.32783	0.55981
189.36	1.33464	0.55811
189.52856	1.34142	0.55641
189.69714	1.34819	0.55473
189.86571	1.35494	0.55305
190.03429	1.36166	0.55137
190.20285	1.36837	0.54971
190.37143	1.37505	0.54805
190.53999	1.38171	0.5464
190.70857	1.38836	0.54476
190.87714	1.39498	0.54312
191.04572	1.40159	0.54149
191.21428	1.40817	0.53987
191.38286	1.41473	0.53825
191.55142	1.42128	0.53664
191.72	1.4278	0.53504
191.88857	1.4343	0.53345
192.05714	1.44079	0.53186
192.22571	1.44725	0.53028
192.39429	1.4537	0.52871
192.56285	1.46013	0.52714
192.73143	1.46653	0.52558
192.89999	1.47292	0.52402
193.06857	1.47929	0.52247
193.23714	1.48564	0.52093
193.40572	1.49197	0.5194
193.57428	1.49828	0.51787
193.74286	1.50457	0.51635
193.91142	1.51085	0.51483
194.08	1.5171	0.51332
194.24857	1.52334	0.51182
194.41714	1.52956	0.51033
194.58571	1.53576	0.50883
194.75429	1.54194	0.50735
194.92285	1.5481	0.50587
195.09143	1.55425	0.5044
195.25999	1.56037	0.50294
195.42857	1.56648	0.50148
195.59714	1.57257	0.50002
195.76572	1.57865	0.49858
195.93428	1.5847	0.49714
196.10286	1.59074	0.4957
196.27142	1.59676	0.49427
196.44	1.60276	0.49285
196.60857	1.60874	0.49143
196.77715	1.61471	0.49002
196.94571	1.62066	0.48861

197.11429	1.62659	0.48721
197.28285	1.63251	0.48582
197.45143	1.6384	0.48443
197.62	1.64428	0.48305
197.78857	1.65015	0.48167
197.95714	1.65599	0.4803
198.12572	1.66182	0.47893
198.29428	1.66763	0.47757
198.46286	1.67343	0.47622
198.63142	1.67921	0.47487
198.8	1.68497	0.47352
198.96857	1.69071	0.47219
199.13715	1.69644	0.47085
199.30571	1.70216	0.46952
199.47429	1.70785	0.4682
199.64285	1.71353	0.46689
199.81143	1.71919	0.46557
199.98	1.72484	0.46427
200.14857	1.73047	0.46297
200.31714	1.73609	0.46167
200.48572	1.74169	0.46038
200.65428	1.74727	0.4591
200.82286	1.75283	0.45782
200.99142	1.75839	0.45654
201.16	1.76392	0.45527
201.32857	1.76944	0.45401
201.49715	1.77494	0.45275
201.66571	1.78043	0.45149
201.83429	1.7859	0.45024
202.00285	1.79136	0.449
202.17143	1.7968	0.44776
202.34	1.80223	0.44652
202.50858	1.80764	0.44529
202.67714	1.81303	0.44407
202.84572	1.81841	0.44284
203.01428	1.82378	0.44163
203.18286	1.82913	0.44042
203.35143	1.83446	0.43921
203.52	1.83978	0.43801
203.68857	1.84509	0.43681
203.85715	1.85038	0.43562
204.02571	1.85565	0.43443
204.19429	1.86092	0.43325
204.36285	1.86616	0.43207
204.53143	1.87139	0.4309
204.7	1.87661	0.42973
204.86858	1.88181	0.42857
205.03714	1.887	0.42741
205.20572	1.89217	0.42625
205.37428	1.89733	0.4251
205.54286	1.90248	0.42396
205.71143	1.90761	0.42281
205.88	1.91273	0.42168

206.04857	1.91783	0.42054
206.21715	1.92291	0.41941
206.38571	1.92799	0.41829
206.55429	1.93305	0.41717
206.72285	1.9381	0.41606
206.89143	1.94313	0.41494
207.06	1.94815	0.41384
207.22858	1.95315	0.41273
207.39714	1.95814	0.41164
207.56572	1.96312	0.41054
207.73428	1.96808	0.40945
207.90286	1.97303	0.40836
208.07143	1.97797	0.40728
208.24001	1.98289	0.4062
208.40857	1.9878	0.40513
208.57715	1.9927	0.40406
208.74571	1.99758	0.403
208.91429	2.00245	0.40193
209.08286	2.00731	0.40088
209.25143	2.01215	0.39982
209.42	2.01698	0.39877
209.58858	2.0218	0.39773
209.75714	2.0266	0.39669
209.92572	2.03139	0.39565
210.09428	2.03617	0.39462
210.26286	2.04094	0.39359
210.43143	2.04569	0.39256
210.60001	2.05043	0.39154
210.76857	2.05516	0.39052
210.93715	2.05987	0.3895
211.10571	2.06457	0.38849
211.27429	2.06926	0.38749
211.44286	2.07394	0.38648
211.61143	2.0786	0.38548
211.78	2.08325	0.38449
211.94858	2.08789	0.3835
212.11714	2.09252	0.38251
212.28572	2.09713	0.38152
212.45428	2.10174	0.38054
212.62286	2.10633	0.37956
212.79143	2.1109	0.37859
212.96001	2.11547	0.37762
213.12857	2.12002	0.37665
213.29715	2.12456	0.37569
213.46571	2.12909	0.37473
213.63429	2.13361	0.37378
213.80286	2.13812	0.37282
213.97144	2.14261	0.37187
214.14	2.14709	0.37093
214.30858	2.15156	0.36999
214.47714	2.15602	0.36905
214.64572	2.16047	0.36811
214.81429	2.1649	0.36718

214.98286	2.16932	0.36625
215.15143	2.17373	0.36533
215.32001	2.17813	0.36441
215.48857	2.18252	0.36349
215.65715	2.1869	0.36257
215.82571	2.19127	0.36166
215.99429	2.19562	0.36075
216.16286	2.19996	0.35985
216.33144	2.2043	0.35895
216.5	2.20862	0.35805
216.66856	2.21292	0.35715
216.83714	2.21722	0.35626
217.00571	2.22151	0.35537
217.17429	2.22578	0.35449
217.34285	2.23005	0.3536
217.51143	2.2343	0.35272
217.67999	2.23854	0.35185
217.84857	2.24277	0.35098
218.01714	2.247	0.35011
218.18571	2.2512	0.34924
218.35428	2.2554	0.34838
218.52286	2.25959	0.34751
218.69142	2.26377	0.34666
218.86	2.26794	0.3458
219.02856	2.27209	0.34495
219.19714	2.27624	0.3441
219.36571	2.28037	0.34326
219.53429	2.28449	0.34242
219.70285	2.28861	0.34158
219.87143	2.29271	0.34074
220.03999	2.2968	0.33991
220.20857	2.30089	0.33908
220.37714	2.30496	0.33825
220.54572	2.30902	0.33742
220.71428	2.31307	0.3366
220.88286	2.31711	0.33578
221.05142	2.32114	0.33497
221.22	2.32516	0.33415
221.38857	2.32917	0.33334
221.55714	2.33317	0.33254
221.72571	2.33716	0.33173
221.89429	2.34114	0.33093
222.06285	2.34511	0.33013
222.23143	2.34907	0.32933
222.39999	2.35302	0.32854
222.56857	2.35696	0.32775
222.73714	2.36089	0.32696
222.90572	2.36481	0.32618
223.07428	2.36872	0.32539
223.24286	2.37262	0.32461
223.41142	2.37651	0.32384
223.58	2.38039	0.32306
223.74857	2.38426	0.32229

223.91714	2.38812	0.32152
224.08571	2.39197	0.32075
224.25429	2.39582	0.31999
224.42285	2.39965	0.31923
224.59143	2.40347	0.31847
224.75999	2.40728	0.31772
224.92857	2.41109	0.31696
225.09714	2.41488	0.31621
225.26572	2.41867	0.31546
225.43428	2.42244	0.31472
225.60286	2.42621	0.31397
225.77142	2.42997	0.31323
225.94	2.43372	0.3125
226.10857	2.43745	0.31176
226.27715	2.44118	0.31103
226.44571	2.4449	0.3103
226.61429	2.44862	0.30957
226.78285	2.45232	0.30884
226.95143	2.45601	0.30812
227.12	2.45969	0.3074
227.28857	2.46337	0.30668
227.45714	2.46703	0.30597
227.62572	2.47069	0.30525
227.79428	2.47434	0.30454
227.96286	2.47798	0.30383
228.13142	2.48161	0.30313
228.3	2.48523	0.30242
228.46857	2.48884	0.30172
228.63715	2.49244	0.30102
228.80571	2.49604	0.30032
228.97429	2.49962	0.29963
229.14285	2.5032	0.29894
229.31143	2.50677	0.29825
229.48	2.51033	0.29756
229.64857	2.51388	0.29688
229.81714	2.51742	0.29619
229.98572	2.52096	0.29551
230.15428	2.52448	0.29483
230.32286	2.528	0.29416
230.49142	2.53151	0.29348
230.66	2.53501	0.29281
230.82857	2.5385	0.29214
230.99715	2.54198	0.29148
231.16571	2.54546	0.29081
231.33429	2.54892	0.29015
231.50285	2.55238	0.28949
231.67143	2.55583	0.28883
231.84	2.55927	0.28817
232.00858	2.56271	0.28752
232.17714	2.56613	0.28687
232.34572	2.56955	0.28622
232.51428	2.57296	0.28557
232.68286	2.57636	0.28492

232.85143	2.57975	0.28428
233.02	2.58313	0.28364
233.18857	2.58651	0.283
233.35715	2.58988	0.28236
233.52571	2.59324	0.28173
233.69429	2.59659	0.28109
233.86285	2.59994	0.28046
234.03143	2.60327	0.27983
234.2	2.6066	0.27921
234.36858	2.60992	0.27858
234.53714	2.61323	0.27796
234.70572	2.61654	0.27734
234.87428	2.61984	0.27672
235.04286	2.62313	0.2761
235.21143	2.62641	0.27549
235.38	2.62968	0.27488
235.54857	2.63295	0.27427
235.71715	2.63621	0.27366
235.88571	2.63946	0.27305
236.05429	2.6427	0.27244
236.22285	2.64594	0.27184
236.39143	2.64917	0.27124
236.56	2.65239	0.27064
236.72858	2.6556	0.27004
236.89714	2.6588	0.26945
237.06572	2.662	0.26886
237.23428	2.66519	0.26826
237.40286	2.66838	0.26767
237.57143	2.67155	0.26709
237.74001	2.67472	0.2665
237.90857	2.67788	0.26592
238.07715	2.68103	0.26533
238.24571	2.68418	0.26475
238.41429	2.68732	0.26418
238.58286	2.69045	0.2636
238.75143	2.69358	0.26302
238.92	2.69669	0.26245
239.08858	2.6998	0.26188
239.25714	2.70291	0.26131
239.42572	2.706	0.26074
239.59428	2.70909	0.26018
239.76286	2.71217	0.25961
239.93143	2.71525	0.25905
240.10001	2.71831	0.25849
240.26857	2.72137	0.25793
240.43715	2.72443	0.25738
240.60571	2.72747	0.25682
240.77429	2.73051	0.25627
240.94286	2.73354	0.25572
241.11143	2.73657	0.25517
241.28	2.73959	0.25462
241.44858	2.7426	0.25407
241.61714	2.7456	0.25353

241.78572	2.7486	0.25298
241.95428	2.75159	0.25244
242.12286	2.75458	0.2519
242.29143	2.75756	0.25136
242.46001	2.76053	0.25083
242.62857	2.76349	0.25029
242.79715	2.76645	0.24976
242.96571	2.7694	0.24923
243.13429	2.77234	0.2487
243.30286	2.77528	0.24817
243.47144	2.77821	0.24764
243.64	2.78113	0.24712
243.80858	2.78405	0.2466
243.97714	2.78696	0.24607
244.14572	2.78986	0.24555
244.31429	2.79276	0.24504
244.48286	2.79565	0.24452
244.65143	2.79854	0.244
244.82001	2.80141	0.24349
244.98857	2.80429	0.24298
245.15715	2.80715	0.24247
245.32571	2.81001	0.24196
245.49429	2.81286	0.24145
245.66286	2.81571	0.24094
245.83144	2.81855	0.24044
246	2.82138	0.23994
246.16856	2.82421	0.23944
246.33714	2.82703	0.23894
246.50571	2.82984	0.23844
246.67429	2.83265	0.23794
246.84285	2.83545	0.23745
247.01143	2.83825	0.23695
247.17999	2.84104	0.23646
247.34857	2.84382	0.23597
247.51714	2.8466	0.23548
247.68571	2.84937	0.23499
247.85428	2.85213	0.23451
248.02286	2.85489	0.23402
248.19142	2.85764	0.23354
248.36	2.86039	0.23306
248.52856	2.86313	0.23258
248.69714	2.86586	0.2321
248.86571	2.86859	0.23162
249.03429	2.87131	0.23114
249.20285	2.87403	0.23067
249.37143	2.87674	0.2302
249.53999	2.87944	0.22972
249.70857	2.88214	0.22925
249.87714	2.88484	0.22878
250.04572	2.88752	0.22832
250.21428	2.8902	0.22785
250.38286	2.89288	0.22739
250.55142	2.89554	0.22692

250.72	2.89821	0.22646
250.88857	2.90087	0.226
251.05714	2.90352	0.22554
251.22571	2.90616	0.22508
251.39429	2.9088	0.22462
251.56285	2.91144	0.22417
251.73143	2.91407	0.22372
251.89999	2.91669	0.22326
252.06857	2.9193	0.22281
252.23714	2.92192	0.22236
252.40572	2.92452	0.22191
252.57428	2.92712	0.22147
252.74286	2.92972	0.22102
252.91142	2.9323	0.22058
253.08	2.93489	0.22013
253.24857	2.93746	0.21969
253.41714	2.94004	0.21925
253.58571	2.9426	0.21881
253.75429	2.94516	0.21837
253.92285	2.94772	0.21793
254.09143	2.95027	0.2175
254.25999	2.95281	0.21706
254.42857	2.95535	0.21663
254.59714	2.95789	0.2162
254.76572	2.96041	0.21577
254.93428	2.96294	0.21534
255.10286	2.96545	0.21491
255.27142	2.96797	0.21448
255.44	2.97047	0.21406
255.60857	2.97297	0.21363
255.77715	2.97547	0.21321
255.94571	2.97796	0.21279
256.11429	2.98044	0.21237
256.28287	2.98292	0.21195
256.45142	2.9854	0.21153
256.62	2.98787	0.21111
256.78857	2.99033	0.2107
256.95715	2.99279	0.21028
257.1257	2.99524	0.20987
257.29428	2.99769	0.20946
257.46286	3.00014	0.20905
257.63144	3.00257	0.20864
257.79999	3.00501	0.20823
257.96857	3.00744	0.20782
258.13715	3.00986	0.20741
258.30573	3.01227	0.20701
258.47427	3.01469	0.20661
258.64285	3.01709	0.2062
258.81143	3.0195	0.2058
258.98001	3.02189	0.2054
259.14856	3.02429	0.205
259.31714	3.02667	0.2046
259.48572	3.02905	0.20421

259.6543	3.03143	0.20381
259.82285	3.0338	0.20341
259.99142	3.03617	0.20302
260.16	3.03853	0.20263
260.32858	3.04089	0.20224
260.49713	3.04324	0.20185
260.66571	3.04559	0.20146
260.83429	3.04793	0.20107
261.00287	3.05027	0.20068
261.17142	3.0526	0.20029
261.34	3.05493	0.19991
261.50858	3.05725	0.19953
261.67715	3.05957	0.19914
261.8457	3.06189	0.19876
262.01428	3.06419	0.19838
262.18286	3.0665	0.198
262.35144	3.0688	0.19762
262.51999	3.07109	0.19724
262.68857	3.07338	0.19687
262.85715	3.07566	0.19649
263.02573	3.07795	0.19612
263.19427	3.08022	0.19575
263.36285	3.08249	0.19537
263.53143	3.08476	0.195
263.70001	3.08702	0.19463
263.86856	3.08927	0.19426
264.03714	3.09153	0.19389
264.20572	3.09377	0.19353
264.3743	3.09602	0.19316
264.54285	3.09825	0.1928
264.71143	3.10049	0.19243
264.88	3.10272	0.19207
265.04858	3.10494	0.19171
265.21713	3.10716	0.19135
265.38571	3.10938	0.19099
265.55429	3.11159	0.19063
265.72287	3.11379	0.19027
265.89142	3.11599	0.18991
266.06	3.11819	0.18956
266.22858	3.12038	0.1892
266.39716	3.12257	0.18885
266.5657	3.12476	0.18849
266.73428	3.12694	0.18814
266.90286	3.12911	0.18779
267.07144	3.13128	0.18744
267.23999	3.13345	0.18709
267.40857	3.13561	0.18674
267.57715	3.13777	0.1864
267.74573	3.13992	0.18605
267.91428	3.14207	0.1857
268.08286	3.14421	0.18536
268.25143	3.14635	0.18501
268.42001	3.14849	0.18467

268.58856	3.15062	0.18433
268.75714	3.15274	0.18399
268.92572	3.15487	0.18365
269.0943	3.15699	0.18331
269.26285	3.1591	0.18297
269.43143	3.16121	0.18264
269.60001	3.16332	0.1823
269.76859	3.16542	0.18196
269.93713	3.16751	0.18163
270.10571	3.16961	0.1813
270.27429	3.17169	0.18096
270.44287	3.17378	0.18063
270.61142	3.17586	0.1803
270.78	3.17794	0.17997
270.94858	3.18001	0.17964
271.11716	3.18208	0.17931
271.28571	3.18414	0.17899
271.45428	3.1862	0.17866
271.62286	3.18826	0.17834
271.79144	3.19031	0.17801
271.95999	3.19236	0.17769
272.12857	3.1944	0.17736
272.29715	3.19644	0.17704
272.46573	3.19847	0.17672
272.63428	3.2005	0.1764
272.80286	3.20253	0.17608
272.97144	3.20455	0.17576
273.14001	3.20657	0.17545
273.30856	3.20859	0.17513
273.47714	3.2106	0.17481
273.64572	3.21261	0.1745
273.8143	3.21461	0.17418
273.98285	3.21661	0.17387
274.15143	3.21861	0.17356
274.32001	3.2206	0.17324
274.48859	3.22258	0.17293
274.65714	3.22457	0.17262
274.82571	3.22655	0.17231
274.99429	3.22852	0.17201
275.16287	3.2305	0.1717
275.33142	3.23246	0.17139
275.5	3.23443	0.17108
275.66858	3.23639	0.17078
275.83713	3.23834	0.17047
276.00571	3.2403	0.17017
276.17429	3.24225	0.16987
276.34286	3.24419	0.16957
276.51141	3.24613	0.16926
276.67999	3.24807	0.16896
276.84857	3.25	0.16866
277.01715	3.25193	0.16837
277.1857	3.25386	0.16807
277.35428	3.25578	0.16777

277.52286	3.2577	0.16747
277.69144	3.25961	0.16718
277.85999	3.26153	0.16688
278.02856	3.26343	0.16659
278.19714	3.26534	0.16629
278.36572	3.26724	0.166
278.53427	3.26913	0.16571
278.70285	3.27103	0.16542
278.87143	3.27292	0.16513
279.04001	3.2748	0.16484
279.20856	3.27668	0.16455
279.37714	3.27856	0.16426
279.54572	3.28044	0.16397
279.71429	3.28231	0.16369
279.88284	3.28417	0.1634
280.05142	3.28604	0.16312
280.22	3.2879	0.16283
280.38858	3.28976	0.16255
280.55713	3.29161	0.16226
280.72571	3.29346	0.16198
280.89429	3.2953	0.1617
281.06287	3.29715	0.16142
281.23141	3.29899	0.16114
281.39999	3.30082	0.16086
281.56857	3.30265	0.16058
281.73715	3.30448	0.1603
281.9057	3.30631	0.16002
282.07428	3.30813	0.15975
282.24286	3.30995	0.15947
282.41144	3.31176	0.1592
282.57999	3.31357	0.15892
282.74857	3.31538	0.15865
282.91714	3.31718	0.15838
283.08572	3.31898	0.1581
283.25427	3.32078	0.15783
283.42285	3.32257	0.15756
283.59143	3.32437	0.15729
283.76001	3.32615	0.15702
283.92856	3.32793	0.15675
284.09714	3.32971	0.15648
284.26572	3.33149	0.15622
284.4343	3.33327	0.15595
284.60284	3.33504	0.15568
284.77142	3.3368	0.15542
284.94	3.33857	0.15515
285.10858	3.34033	0.15489
285.27713	3.34208	0.15462
285.44571	3.34384	0.15436
285.61429	3.34559	0.1541
285.78287	3.34733	0.15384
285.95142	3.34908	0.15358
286.12	3.35082	0.15332
286.28857	3.35255	0.15306

286.45715	3.35429	0.1528
286.6257	3.35602	0.15254
286.79428	3.35775	0.15228
286.96286	3.35947	0.15202
287.13144	3.36119	0.15177
287.29999	3.36291	0.15151
287.46857	3.36462	0.15126
287.63715	3.36634	0.151
287.80573	3.36804	0.15075
287.97427	3.36975	0.1505
288.14285	3.37145	0.15024
288.31143	3.37315	0.14999
288.48001	3.37484	0.14974
288.64856	3.37654	0.14949
288.81714	3.37823	0.14924
288.98572	3.37991	0.14899
289.1543	3.38159	0.14874
289.32285	3.38327	0.14849
289.49142	3.38495	0.14825
289.66	3.38663	0.148
289.82858	3.3883	0.14775
289.99713	3.38996	0.14751
290.16571	3.39163	0.14726
290.33429	3.39329	0.14702
290.50287	3.39495	0.14677
290.67142	3.3966	0.14653
290.84	3.39825	0.14629
291.00858	3.3999	0.14605
291.17715	3.40155	0.1458
291.3457	3.40319	0.14556
291.51428	3.40483	0.14532
291.68286	3.40647	0.14508
291.85144	3.4081	0.14484
292.01999	3.40973	0.1446
292.18857	3.41136	0.14437
292.35715	3.41299	0.14413
292.52573	3.41461	0.14389
292.69427	3.41623	0.14366
292.86285	3.41784	0.14342
293.03143	3.41946	0.14319
293.20001	3.42107	0.14295
293.36856	3.42267	0.14272
293.53714	3.42428	0.14248
293.70572	3.42588	0.14225
293.8743	3.42748	0.14202
294.04285	3.42907	0.14179
294.21143	3.43067	0.14156
294.38	3.43226	0.14133
294.54858	3.43384	0.1411
294.71713	3.43543	0.14087
294.88571	3.43701	0.14064
295.05429	3.43858	0.14041
295.22287	3.44016	0.14018

295.39142	3.44173	0.13995
295.56	3.4433	0.13973
295.72858	3.44487	0.1395
295.89716	3.44643	0.13928
296.0657	3.44799	0.13905
296.23428	3.44955	0.13883
296.40286	3.45111	0.1386
296.57144	3.45266	0.13838
296.73999	3.45421	0.13816
296.90857	3.45576	0.13793
297.07715	3.4573	0.13771
297.24573	3.45884	0.13749
297.41428	3.46038	0.13727
297.58286	3.46192	0.13705
297.75143	3.46345	0.13683
297.92001	3.46498	0.13661
298.08856	3.46651	0.13639
298.25714	3.46803	0.13617
298.42572	3.46956	0.13596
298.5943	3.47108	0.13574
298.76285	3.47259	0.13552
298.93143	3.47411	0.13531
299.10001	3.47562	0.13509
299.26859	3.47713	0.13488
299.43713	3.47863	0.13466
299.60571	3.48014	0.13445
299.77429	3.48164	0.13423
299.94287	3.48314	0.13402