

Supplementary Information

Phytogenic Synthesis of Gold-Ruthenium (Au-Ru) Bimetallic Nanoparticles Using Aloe Vera Gel and Evaluation of Their Anticancer Potential

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Raw data for Figure 4

Figure 4 Raw data	Column1	Column2	Column3	Column4
Wavelength	Absorbance (RuCl ₃ .3H ₂ O stock solution)	Absorbance(RuNP after 1day)	Absorbance (AuNP at starting time)	Absorbance (Au-Ru NP after 3 hours)
200	3.305	4.104	3.337	4.347
200.5	3.287	4.167	3.344	4.617
201	3.289	4.148	3.397	4.457
201.5	3.268	4.173	3.404	4.549
202	3.232	4.207	3.446	4.619
202.5	3.225	4.282	3.453	4.553
203	3.216	4.279	3.501	4.571
203.5	3.17	4.309	3.543	4.544
204	3.16	4.359	3.571	4.589
204.5	3.151	4.428	3.562	4.598
205	3.116	4.435	3.615	4.701
205.5	3.121	4.402	3.624	4.658
206	3.116	4.393	3.624	4.852
206.5	3.071	4.496	3.669	4.924
207	3.047	4.428	3.728	4.942
207.5	3.05	4.473	3.687	4.789
208	3.021	4.473	3.737	4.828
208.5	3.015	4.614	3.762	4.854

209	2.985	4.515	3.77	4.84
209.5	2.97	4.565	3.793	4.931
210	2.967	4.627	3.795	5.093
210.5	2.945	4.605	3.83	4.911
211	2.92	4.586	3.906	4.978
211.5	2.903	4.655	3.849	4.858
212	2.892	4.573	3.886	4.835
212.5	2.866	4.701	3.922	4.963
213	2.851	4.659	3.962	4.837
213.5	2.829	4.859	3.964	5.133
214	2.818	4.659	3.956	5.141
214.5	2.791	4.709	3.937	5.097
215	2.771	4.741	3.974	4.985
215.5	2.751	4.694	3.994	4.819
216	2.734	4.779	4.008	5.052
216.5	2.716	4.816	4.034	5.186
217	2.702	4.67	4.07	5.04
217.5	2.678	4.907	4.069	5.11
218	2.661	4.906	4.095	4.898
218.5	2.637	4.913	4.141	5.262
219	2.618	4.712	4.121	4.906
219.5	2.602	4.897	4.083	5.458
220	2.585	4.816	4.149	5.143
220.5	2.566	4.805	4.124	5.173
221	2.546	4.802	4.154	5.176
221.5	2.526	4.761	4.131	5.366
222	2.508	5.002	4.154	5.751
222.5	2.493	4.878	4.186	5.19
223	2.469	4.813	4.179	5.241
223.5	2.453	4.948	4.19	5.096
224	2.432	4.722	4.231	5.195
224.5	2.413	4.788	4.186	5.207
225	2.398	4.894	4.243	5.313
225.5	2.375	4.794	4.242	4.986
226	2.359	4.77	4.242	4.951
226.5	2.341	4.765	4.228	4.994
227	2.324	4.732	4.261	5.166
227.5	2.299	4.657	4.267	5.265
228	2.284	4.557	4.26	5.159
228.5	2.267	4.539	4.266	5.108
229	2.251	4.49	4.298	5.168

229.5	2.229	4.421	4.324	5.309
230	2.211	4.442	4.331	4.994
230.5	2.195	4.341	4.345	5.336
231	2.179	4.299	4.34	5.254
231.5	2.16	4.249	4.319	5.446
232	2.145	4.164	4.334	5.069
232.5	2.128	4.115	4.305	5.336
233	2.107	4.032	4.37	5.641
233.5	2.097	3.981	4.336	5.141
234	2.079	3.928	4.362	5.242
234.5	2.066	3.882	4.34	5.454
235	2.05	3.827	4.319	5.342
235.5	2.036	3.78	4.336	5.14
236	2.021	3.725	4.375	5.237
236.5	2.007	3.697	4.371	6.044
237	1.997	3.657	4.343	5.585
237.5	1.984	3.597	4.349	5.37
238	1.97	3.564	4.367	5.482
238.5	1.958	3.531	4.301	5.255
239	1.948	3.491	4.321	5.226
239.5	1.933	3.446	4.248	5.224
240	1.922	3.418	4.236	10
240.5	1.909	3.395	4.237	10
241	1.898	3.368	4.213	5.349
241.5	1.889	3.333	4.18	5.222
242	1.875	3.302	4.104	5.033
242.5	1.865	3.281	4.08	4.991
243	1.856	3.253	4.002	5.573
243.5	1.846	3.228	3.953	5.101
244	1.834	3.208	3.881	5.242
244.5	1.826	3.178	3.828	5.238
245	1.817	3.16	3.754	5.655
245.5	1.805	3.144	3.674	5.147
246	1.796	3.128	3.621	5.365
246.5	1.788	3.104	3.544	5.412
247	1.775	3.08	3.484	4.993
247.5	1.769	3.063	3.407	5.244
248	1.76	3.053	3.353	5.423
248.5	1.752	3.034	3.273	5.257
249	1.743	3.021	3.206	5.439
249.5	1.735	3.008	3.137	5.297

250	1.727	2.992	3.081	5.084
250.5	1.719	2.977	3.013	5.226
251	1.711	2.974	2.955	5.191
251.5	1.703	2.951	2.904	5.261
252	1.696	2.944	2.849	5.373
252.5	1.688	2.933	2.794	5.26
253	1.681	2.915	2.737	5.056
253.5	1.674	2.907	2.695	5.408
254	1.669	2.9	2.649	5.133
254.5	1.662	2.886	2.602	4.981
255	1.655	2.874	2.565	5.103
255.5	1.649	2.863	2.515	5.174
256	1.642	2.847	2.482	5.135
256.5	1.637	2.832	2.442	5.024
257	1.631	2.817	2.407	5.151
257.5	1.625	2.804	2.372	5
258	1.618	2.794	2.34	4.882
258.5	1.613	2.784	2.31	5.168
259	1.608	2.778	2.282	5.097
259.5	1.602	2.767	2.257	4.972
260	1.596	2.761	2.231	5.208
260.5	1.593	2.748	2.206	5.016
261	1.588	2.738	2.182	4.984
261.5	1.584	2.735	2.156	5.007
262	1.578	2.729	2.137	4.984
262.5	1.575	2.719	2.115	4.848
263	1.569	2.707	2.094	5.032
263.5	1.566	2.704	2.077	4.953
264	1.562	2.699	2.058	4.828
264.5	1.558	2.696	2.044	4.886
265	1.553	2.691	2.029	4.985
265.5	1.549	2.69	2.017	4.857
266	1.546	2.685	2.001	4.997
266.5	1.542	2.679	1.993	4.93
267	1.537	2.679	1.978	4.798
267.5	1.535	2.671	1.969	4.911
268	1.532	2.673	1.96	4.826
268.5	1.527	2.669	1.951	4.804
269	1.525	2.663	1.938	4.917
269.5	1.52	2.651	1.927	4.721
270	1.517	2.648	1.916	4.839

270.5	1.514	2.645	1.904	4.806
271	1.51	2.635	1.892	4.85
271.5	1.508	2.623	1.882	4.865
272	1.504	2.613	1.868	4.89
272.5	1.501	2.606	1.858	4.743
273	1.498	2.599	1.846	4.786
273.5	1.493	2.587	1.837	4.829
274	1.491	2.587	1.826	4.661
274.5	1.487	2.575	1.819	4.633
275	1.485	2.568	1.81	4.68
275.5	1.482	2.564	1.803	4.669
276	1.479	2.554	1.797	4.694
276.5	1.475	2.557	1.791	4.637
277	1.473	2.544	1.786	4.729
277.5	1.47	2.541	1.78	4.711
278	1.467	2.534	1.777	4.658
278.5	1.465	2.527	1.773	4.61
279	1.462	2.524	1.768	4.664
279.5	1.459	2.519	1.766	4.58
280	1.456	2.513	1.763	4.582
280.5	1.454	2.509	1.76	4.564
281	1.453	2.506	1.758	4.586
281.5	1.45	2.5	1.756	4.534
282	1.447	2.499	1.753	4.477
282.5	1.445	2.491	1.752	4.525
283	1.443	2.491	1.748	4.549
283.5	1.441	2.485	1.748	4.56
284	1.44	2.483	1.745	4.516
284.5	1.437	2.478	1.742	4.506
285	1.437	2.475	1.739	4.474
285.5	1.436	2.473	1.737	4.525
286	1.433	2.467	1.735	4.515
286.5	1.432	2.461	1.732	4.446
287	1.431	2.458	1.728	4.447
287.5	1.428	2.451	1.727	4.457
288	1.427	2.445	1.72	4.477
288.5	1.426	2.443	1.719	4.441
289	1.425	2.441	1.713	4.436
289.5	1.423	2.438	1.709	4.363
290	1.422	2.431	1.705	4.382
290.5	1.422	2.432	1.699	4.409

291	1.42	2.424	1.694	4.403
291.5	1.418	2.42	1.689	4.364
292	1.418	2.417	1.683	4.402
292.5	1.417	2.414	1.678	4.379
293	1.416	2.411	1.67	4.347
293.5	1.415	2.404	1.663	4.343
294	1.413	2.399	1.657	4.305
294.5	1.414	2.392	1.649	4.353
295	1.412	2.389	1.641	4.313
295.5	1.41	2.384	1.631	4.325
296	1.41	2.379	1.624	4.296
296.5	1.41	2.372	1.616	4.344
297	1.409	2.369	1.606	4.294
297.5	1.409	2.364	1.596	4.244
298	1.407	2.356	1.585	4.262
298.5	1.405	2.35	1.576	4.233
299	1.405	2.344	1.564	4.243
299.5	1.404	2.337	1.554	4.263
300	1.403	2.33	1.542	4.219
300.5	1.404	2.323	1.531	4.221
301	1.402	2.32	1.518	4.174
301.5	1.399	2.311	1.506	4.204
302	1.399	2.302	1.494	4.188
302.5	1.398	2.294	1.482	4.183
303	1.396	2.29	1.469	4.162
303.5	1.395	2.281	1.455	4.128
304	1.394	2.276	1.443	4.121
304.5	1.393	2.27	1.429	4.151
305	1.392	2.263	1.417	4.122
305.5	1.392	2.252	1.412	4.052
306	1.388	2.247	1.396	4.063
306.5	1.387	2.24	1.386	4.067
307	1.387	2.232	1.372	4.062
307.5	1.382	2.224	1.359	3.984
308	1.382	2.22	1.346	4.037
308.5	1.38	2.214	1.336	3.98
309	1.374	2.211	1.32	4.007
309.5	1.373	2.203	1.309	3.95
310	1.371	2.198	1.298	3.99
310.5	1.369	2.19	1.286	3.938
311	1.369	2.184	1.275	3.918

311.5	1.364	2.174	1.265	3.907
312	1.36	2.175	1.253	3.908
312.5	1.357	2.167	1.242	3.877
313	1.357	2.154	1.231	3.896
313.5	1.354	2.151	1.221	3.869
314	1.348	2.151	1.212	3.883
314.5	1.345	2.146	1.198	3.905
315	1.34	2.141	1.191	3.828
315.5	1.339	2.134	1.18	3.831
316	1.335	2.131	1.171	3.831
316.5	1.33	2.125	1.161	3.828
317	1.324	2.118	1.151	3.826
317.5	1.323	2.118	1.143	3.773
318	1.318	2.11	1.13	3.775
318.5	1.314	2.106	1.123	3.769
319	1.312	2.101	1.113	3.773
319.5	1.306	2.1	1.103	3.754
320	1.299	2.098	1.095	3.754
320.5	1.295	2.089	1.085	3.708
321	1.29	2.088	1.075	3.736
321.5	1.286	2.084	1.067	3.707
322	1.28	2.081	1.058	3.669
322.5	1.276	2.075	1.05	3.722
323	1.271	2.067	1.039	3.662
323.5	1.259	2.062	1.027	3.65
324	1.252	2.063	1.017	3.624
324.5	1.249	2.056	1.008	3.632
325	1.243	2.057	1.001	3.657
325.5	1.239	2.049	0.994	3.624
326	1.23	2.047	0.983	3.629
326.5	1.225	2.035	0.978	3.611
327	1.22	2.034	0.968	3.597
327.5	1.213	2.028	0.96	3.589
328	1.207	2.025	0.956	3.601
328.5	1.202	2.019	0.947	3.583
329	1.194	2.015	0.94	3.563
329.5	1.19	2.018	0.931	3.561
330	1.183	2.006	0.924	3.577
330.5	1.178	2.009	0.918	3.537
331	1.172	2.006	0.911	3.559
331.5	1.169	1.995	0.905	3.51

332	1.162	1.995	0.897	3.496
332.5	1.156	1.993	0.89	3.525
333	1.151	1.994	0.888	3.528
333.5	1.146	1.986	0.879	3.492
334	1.137	1.983	0.874	3.489
334.5	1.132	1.979	0.868	3.479
335	1.127	1.977	0.861	3.491
335.5	1.12	1.969	0.859	3.476
336	1.116	1.968	0.852	3.462
336.5	1.11	1.967	0.848	3.454
337	1.105	1.96	0.839	3.488
337.5	1.098	1.956	0.834	3.436
338	1.093	1.949	0.83	3.434
338.5	1.086	1.952	0.826	3.421
339	1.081	1.946	0.82	3.428
339.5	1.076	1.943	0.816	3.405
340	1.07	1.942	0.809	3.396
340.5	1.063	1.93	0.804	3.422
341	1.058	1.931	0.803	3.38
341.5	1.05	1.924	0.797	3.378
342	1.046	1.923	0.792	3.378
342.5	1.041	1.915	0.789	3.361
343	1.035	1.914	0.783	3.331
343.5	1.03	1.908	0.778	3.353
344	1.023	1.906	0.775	3.327
344.5	1.018	1.904	0.769	3.346
345	1.012	1.898	0.765	3.331
345.5	1.007	1.89	0.761	3.328
346	1.002	1.892	0.756	3.298
346.5	0.995	1.884	0.752	3.303
347	0.991	1.879	0.748	3.309
347.5	0.987	1.88	0.744	3.297
348	0.982	1.878	0.739	3.294
348.5	0.975	1.869	0.736	3.284
349	0.97	1.867	0.733	3.268
349.5	0.964	1.86	0.729	3.246
350	0.958	1.856	0.723	3.259
350.5	0.953	1.855	0.72	3.247
351	0.949	1.849	0.716	3.243
351.5	0.943	1.845	0.712	3.225
352	0.939	1.841	0.708	3.235

352.5	0.935	1.834	0.703	3.22
353	0.928	1.834	0.699	3.208
353.5	0.924	1.827	0.694	3.192
354	0.919	1.827	0.692	3.186
354.5	0.913	1.814	0.687	3.181
355	0.909	1.812	0.682	3.179
355.5	0.905	1.808	0.677	3.171
356	0.9	1.804	0.675	3.16
356.5	0.897	1.802	0.669	3.156
357	0.892	1.796	0.665	3.154
357.5	0.887	1.789	0.661	3.136
358	0.883	1.788	0.657	3.145
358.5	0.879	1.782	0.653	3.119
359	0.873	1.775	0.648	3.114
359.5	0.872	1.773	0.644	3.102
360	0.868	1.766	0.639	3.095
360.5	0.863	1.761	0.635	3.094
361	0.86	1.757	0.631	3.095
361.5	0.856	1.755	0.627	3.073
362	0.852	1.749	0.622	3.051
362.5	0.85	1.744	0.618	3.053
363	0.844	1.737	0.614	3.061
363.5	0.84	1.733	0.609	3.055
364	0.837	1.729	0.605	3.053
364.5	0.833	1.729	0.6	3.024
365	0.831	1.72	0.597	3.017
365.5	0.827	1.714	0.592	3.011
366	0.824	1.712	0.587	3.007
366.5	0.82	1.707	0.582	2.985
367	0.816	1.7	0.578	2.987
367.5	0.814	1.696	0.572	2.97
368	0.81	1.69	0.569	2.967
368.5	0.807	1.686	0.563	2.966
369	0.803	1.68	0.557	2.954
369.5	0.799	1.673	0.553	2.94
370	0.797	1.672	0.548	2.946
370.5	0.794	1.666	0.544	2.914
371	0.791	1.663	0.538	2.906
371.5	0.787	1.658	0.534	2.908
372	0.786	1.652	0.53	2.892
372.5	0.781	1.642	0.519	2.896

373	0.778	1.636	0.515	2.877
373.5	0.775	1.631	0.51	2.873
374	0.772	1.626	0.504	2.86
374.5	0.769	1.621	0.5	2.854
375	0.766	1.618	0.495	2.84
375.5	0.764	1.611	0.49	2.837
376	0.761	1.607	0.485	2.827
376.5	0.758	1.6	0.48	2.817
377	0.756	1.594	0.476	2.802
377.5	0.753	1.591	0.471	2.793
378	0.751	1.585	0.467	2.787
378.5	0.749	1.58	0.462	2.776
379	0.746	1.574	0.458	2.765
379.5	0.744	1.569	0.453	2.753
380	0.741	1.564	0.449	2.744
380.5	0.739	1.559	0.444	2.736
381	0.737	1.555	0.439	2.726
381.5	0.735	1.549	0.436	2.715
382	0.732	1.545	0.431	2.707
382.5	0.73	1.539	0.427	2.698
383	0.727	1.533	0.423	2.687
383.5	0.725	1.528	0.418	2.673
384	0.723	1.524	0.414	2.665
384.5	0.721	1.518	0.41	2.656
385	0.719	1.513	0.406	2.647
385.5	0.717	1.508	0.401	2.636
386	0.715	1.502	0.397	2.623
386.5	0.713	1.497	0.394	2.618
387	0.711	1.493	0.389	2.604
387.5	0.709	1.488	0.386	2.596
388	0.707	1.483	0.382	2.587
388.5	0.706	1.478	0.378	2.578
389	0.703	1.472	0.374	2.568
389.5	0.701	1.467	0.371	2.555
390	0.699	1.462	0.367	2.55
390.5	0.698	1.459	0.364	2.538
391	0.695	1.453	0.36	2.53
391.5	0.694	1.449	0.357	2.518
392	0.692	1.445	0.353	2.51
392.5	0.689	1.439	0.35	2.501
393	0.687	1.434	0.347	2.49

393.5	0.685	1.428	0.343	2.479
394	0.684	1.423	0.34	2.473
394.5	0.682	1.418	0.337	2.462
395	0.68	1.415	0.333	2.451
395.5	0.678	1.409	0.33	2.443
396	0.676	1.405	0.327	2.432
396.5	0.674	1.401	0.324	2.424
397	0.672	1.395	0.321	2.415
397.5	0.671	1.392	0.319	2.407
398	0.669	1.388	0.315	2.397
398.5	0.668	1.383	0.313	2.388
399	0.666	1.379	0.31	2.38
399.5	0.663	1.374	0.307	2.372
400	0.662	1.369	0.305	2.361
400.5	0.66	1.365	0.302	2.353
401	0.658	1.362	0.299	2.346
401.5	0.657	1.358	0.297	2.335
402	0.655	1.353	0.295	2.329
402.5	0.653	1.349	0.293	2.321
403	0.651	1.345	0.291	2.312
403.5	0.65	1.341	0.288	2.305
404	0.649	1.338	0.286	2.296
404.5	0.647	1.333	0.284	2.289
405	0.645	1.329	0.281	2.279
405.5	0.644	1.326	0.28	2.274
406	0.642	1.322	0.277	2.266
406.5	0.641	1.319	0.276	2.259
407	0.64	1.316	0.274	2.253
407.5	0.638	1.313	0.272	2.246
408	0.636	1.309	0.27	2.238
408.5	0.634	1.305	0.269	2.232
409	0.634	1.304	0.267	2.223
409.5	0.632	1.299	0.265	2.217
410	0.631	1.296	0.264	2.212
410.5	0.629	1.293	0.262	2.204
411	0.627	1.29	0.26	2.196
411.5	0.626	1.287	0.259	2.192
412	0.625	1.283	0.257	2.184
412.5	0.624	1.281	0.256	2.178
413	0.622	1.276	0.254	2.172
413.5	0.621	1.274	0.252	2.164

414	0.619	1.271	0.251	2.158
414.5	0.618	1.268	0.25	2.152
415	0.617	1.265	0.248	2.145
415.5	0.615	1.262	0.247	2.141
416	0.614	1.259	0.245	2.132
416.5	0.612	1.256	0.244	2.126
417	0.611	1.253	0.242	2.12
417.5	0.609	1.249	0.24	2.114
418	0.608	1.246	0.239	2.109
418.5	0.606	1.243	0.238	2.103
419	0.605	1.24	0.237	2.095
419.5	0.604	1.238	0.236	2.091
420	0.604	1.236	0.235	2.084
420.5	0.602	1.233	0.233	2.078
421	0.601	1.23	0.232	2.072
421.5	0.6	1.228	0.231	2.068
422	0.599	1.225	0.23	2.062
422.5	0.597	1.222	0.228	2.057
423	0.596	1.22	0.227	2.052
423.5	0.596	1.218	0.227	2.048
424	0.594	1.215	0.225	2.042
424.5	0.594	1.212	0.224	2.039
425	0.593	1.211	0.223	2.031
425.5	0.591	1.209	0.222	2.027
426	0.59	1.206	0.221	2.021
426.5	0.59	1.204	0.22	2.018
427	0.589	1.202	0.22	2.014
427.5	0.588	1.2	0.219	2.008
428	0.587	1.198	0.218	2.006
428.5	0.586	1.196	0.217	2
429	0.585	1.193	0.216	1.995
429.5	0.585	1.192	0.215	1.992
430	0.584	1.189	0.214	1.986
430.5	0.583	1.187	0.213	1.983
431	0.582	1.185	0.213	1.98
431.5	0.582	1.183	0.211	1.974
432	0.58	1.181	0.21	1.97
432.5	0.58	1.179	0.21	1.966
433	0.579	1.177	0.209	1.962
433.5	0.578	1.176	0.208	1.958
434	0.577	1.173	0.207	1.953

434.5	0.577	1.172	0.207	1.949
435	0.576	1.17	0.206	1.946
435.5	0.575	1.168	0.205	1.942
436	0.575	1.166	0.204	1.938
436.5	0.574	1.164	0.204	1.934
437	0.574	1.163	0.203	1.93
437.5	0.573	1.161	0.202	1.926
438	0.572	1.159	0.201	1.922
438.5	0.571	1.157	0.201	1.917
439	0.571	1.155	0.2	1.915
439.5	0.57	1.153	0.199	1.912
440	0.57	1.152	0.199	1.907
440.5	0.569	1.15	0.198	1.904
441	0.568	1.147	0.197	1.899
441.5	0.568	1.146	0.196	1.896
442	0.567	1.145	0.196	1.892
442.5	0.566	1.143	0.195	1.888
443	0.566	1.142	0.194	1.885
443.5	0.565	1.139	0.193	1.881
444	0.565	1.138	0.193	1.879
444.5	0.564	1.136	0.192	1.874
445	0.564	1.135	0.192	1.871
445.5	0.563	1.133	0.191	1.867
446	0.563	1.131	0.19	1.865
446.5	0.562	1.13	0.189	1.861
447	0.562	1.129	0.189	1.857
447.5	0.561	1.127	0.188	1.854
448	0.56	1.125	0.187	1.851
448.5	0.56	1.124	0.187	1.848
449	0.559	1.122	0.186	1.844
449.5	0.558	1.12	0.186	1.842
450	0.558	1.12	0.185	1.838
450.5	0.558	1.118	0.184	1.835
451	0.558	1.117	0.184	1.832
451.5	0.557	1.114	0.183	1.829
452	0.556	1.114	0.183	1.826
452.5	0.556	1.112	0.182	1.823
453	0.555	1.111	0.182	1.82
453.5	0.555	1.109	0.181	1.817
454	0.554	1.108	0.181	1.815
454.5	0.553	1.106	0.18	1.811

455	0.553	1.105	0.179	1.81
455.5	0.553	1.104	0.179	1.806
456	0.552	1.103	0.178	1.804
456.5	0.552	1.101	0.178	1.802
457	0.551	1.1	0.177	1.798
457.5	0.551	1.099	0.176	1.796
458	0.55	1.098	0.176	1.793
458.5	0.55	1.096	0.176	1.79
459	0.549	1.095	0.175	1.789
459.5	0.549	1.093	0.174	1.785
460	0.548	1.093	0.174	1.783
460.5	0.548	1.091	0.174	1.779
461	0.547	1.09	0.173	1.777
461.5	0.547	1.088	0.172	1.776
462	0.547	1.087	0.172	1.772
462.5	0.546	1.087	0.171	1.769
463	0.545	1.084	0.171	1.767
463.5	0.545	1.084	0.17	1.765
464	0.544	1.081	0.17	1.762
464.5	0.544	1.081	0.169	1.76
465	0.544	1.079	0.169	1.757
465.5	0.543	1.078	0.168	1.754
466	0.542	1.076	0.168	1.752
466.5	0.542	1.076	0.167	1.751
467	0.541	1.075	0.167	1.748
467.5	0.541	1.073	0.166	1.746
468	0.54	1.072	0.165	1.743
468.5	0.54	1.071	0.165	1.742
469	0.539	1.069	0.165	1.739
469.5	0.539	1.068	0.164	1.738
470	0.539	1.067	0.163	1.735
470.5	0.538	1.066	0.163	1.733
471	0.538	1.065	0.162	1.731
471.5	0.537	1.063	0.162	1.729
472	0.537	1.063	0.162	1.729
472.5	0.536	1.061	0.161	1.727
473	0.536	1.061	0.16	1.725
473.5	0.535	1.059	0.16	1.723
474	0.535	1.058	0.16	1.721
474.5	0.535	1.057	0.16	1.719
475	0.534	1.056	0.159	1.719

475.5	0.534	1.055	0.159	1.717
476	0.533	1.054	0.158	1.715
476.5	0.533	1.052	0.157	1.714
477	0.533	1.052	0.157	1.712
477.5	0.532	1.05	0.157	1.711
478	0.532	1.049	0.156	1.71
478.5	0.531	1.048	0.156	1.708
479	0.531	1.047	0.156	1.707
479.5	0.53	1.046	0.155	1.706
480	0.529	1.045	0.155	1.706
480.5	0.529	1.044	0.154	1.704
481	0.529	1.043	0.154	1.703
481.5	0.528	1.042	0.153	1.702
482	0.527	1.04	0.153	1.702
482.5	0.527	1.04	0.153	1.702
483	0.527	1.039	0.152	1.7
483.5	0.526	1.038	0.152	1.7
484	0.525	1.036	0.151	1.699
484.5	0.525	1.035	0.151	1.698
485	0.525	1.034	0.151	1.698
485.5	0.524	1.033	0.15	1.698
486	0.524	1.032	0.15	1.697
486.5	0.523	1.03	0.149	1.698
487	0.522	1.029	0.149	1.697
487.5	0.522	1.029	0.148	1.698
488	0.521	1.027	0.148	1.697
488.5	0.521	1.026	0.148	1.698
489	0.519	1.025	0.147	1.698
489.5	0.519	1.024	0.147	1.698
490	0.518	1.023	0.146	1.699
490.5	0.518	1.022	0.146	1.699
491	0.517	1.02	0.146	1.7
491.5	0.516	1.02	0.145	1.701
492	0.516	1.019	0.145	1.701
492.5	0.515	1.017	0.145	1.703
493	0.515	1.016	0.144	1.704
493.5	0.514	1.016	0.144	1.705
494	0.513	1.014	0.144	1.706
494.5	0.513	1.013	0.143	1.707
495	0.512	1.012	0.143	1.709
495.5	0.511	1.011	0.142	1.71

496	0.51	1.01	0.142	1.711
496.5	0.509	1.009	0.142	1.713
497	0.509	1.008	0.141	1.715
497.5	0.508	1.007	0.141	1.718
498	0.508	1.006	0.141	1.718
498.5	0.507	1.005	0.14	1.721
499	0.506	1.004	0.14	1.723
499.5	0.505	1.003	0.14	1.725
500	0.505	1.003	0.139	1.727
500.5	0.504	1.001	0.139	1.73
501	0.503	1	0.139	1.732
501.5	0.502	0.999	0.139	1.734
502	0.501	0.998	0.138	1.737
502.5	0.501	0.997	0.138	1.739
503	0.5	0.996	0.137	1.742
503.5	0.499	0.995	0.137	1.744
504	0.498	0.994	0.137	1.748
504.5	0.497	0.993	0.136	1.751
505	0.496	0.992	0.136	1.753
505.5	0.496	0.991	0.136	1.756
506	0.494	0.99	0.135	1.76
506.5	0.493	0.989	0.136	1.763
507	0.493	0.989	0.135	1.765
507.5	0.492	0.988	0.135	1.769
508	0.491	0.986	0.135	1.773
508.5	0.489	0.985	0.134	1.776
509	0.489	0.984	0.134	1.779
509.5	0.487	0.983	0.133	1.784
510	0.486	0.982	0.133	1.787
510.5	0.486	0.981	0.133	1.79
511	0.484	0.98	0.133	1.794
511.5	0.484	0.979	0.132	1.797
512	0.482	0.978	0.132	1.801
512.5	0.481	0.978	0.132	1.804
513	0.48	0.977	0.131	1.808
513.5	0.479	0.975	0.131	1.812
514	0.478	0.974	0.131	1.815
514.5	0.477	0.973	0.131	1.819
515	0.475	0.972	0.13	1.821
515.5	0.475	0.971	0.13	1.825
516	0.474	0.971	0.129	1.828

516.5	0.472	0.969	0.129	1.833
517	0.471	0.969	0.129	1.835
517.5	0.47	0.968	0.129	1.838
518	0.469	0.967	0.128	1.841
518.5	0.468	0.966	0.128	1.845
519	0.467	0.965	0.128	1.848
519.5	0.465	0.964	0.128	1.851
520	0.464	0.963	0.128	1.854
520.5	0.463	0.962	0.127	1.857
521	0.462	0.962	0.127	1.86
521.5	0.46	0.961	0.127	1.864
522	0.459	0.96	0.126	1.867
522.5	0.458	0.959	0.126	1.87
523	0.456	0.957	0.126	1.873
523.5	0.456	0.957	0.126	1.876
524	0.454	0.957	0.125	1.878
524.5	0.453	0.956	0.125	1.882
525	0.452	0.955	0.125	1.884
525.5	0.45	0.954	0.124	1.888
526	0.449	0.953	0.124	1.89
526.5	0.447	0.952	0.124	1.892
527	0.446	0.951	0.124	1.895
527.5	0.445	0.95	0.124	1.898
528	0.443	0.949	0.123	1.899
528.5	0.442	0.949	0.123	1.902
529	0.44	0.947	0.123	1.903
529.5	0.439	0.947	0.123	1.906
530	0.438	0.946	0.122	1.91
530.5	0.436	0.944	0.122	1.911
531	0.434	0.944	0.121	1.914
531.5	0.433	0.943	0.121	1.915
532	0.431	0.942	0.121	1.918
532.5	0.43	0.942	0.121	1.918
533	0.429	0.94	0.121	1.921
533.5	0.427	0.939	0.121	1.922
534	0.425	0.938	0.12	1.924
534.5	0.424	0.937	0.12	1.926
535	0.423	0.937	0.12	1.926
535.5	0.42	0.935	0.119	1.928
536	0.419	0.935	0.119	1.928
536.5	0.417	0.932	0.119	1.932

537	0.416	0.932	0.119	1.933
537.5	0.414	0.931	0.119	1.933
538	0.413	0.93	0.118	1.934
538.5	0.411	0.929	0.118	1.936
539	0.41	0.928	0.118	1.936
539.5	0.408	0.927	0.118	1.937
540	0.407	0.926	0.118	1.937
540.5	0.405	0.925	0.117	1.938
541	0.404	0.925	0.117	1.938
541.5	0.402	0.923	0.116	1.939
542	0.401	0.922	0.116	1.939
542.5	0.399	0.922	0.116	1.939
543	0.398	0.921	0.116	1.938
543.5	0.397	0.921	0.116	1.938
544	0.395	0.919	0.115	1.938
544.5	0.394	0.918	0.115	1.937
545	0.393	0.918	0.115	1.937
545.5	0.391	0.917	0.115	1.937
546	0.39	0.916	0.115	1.936
546.5	0.388	0.915	0.115	1.936
547	0.387	0.914	0.115	1.935
547.5	0.385	0.913	0.114	1.934
548	0.384	0.912	0.114	1.932
548.5	0.383	0.911	0.114	1.932
549	0.381	0.91	0.114	1.931
549.5	0.379	0.909	0.113	1.929
550	0.379	0.909	0.113	1.928
550.5	0.377	0.908	0.113	1.927
551	0.376	0.907	0.112	1.925
551.5	0.374	0.906	0.112	1.923
552	0.373	0.905	0.112	1.922
552.5	0.372	0.905	0.112	1.921
553	0.37	0.904	0.111	1.919
553.5	0.369	0.903	0.111	1.918
554	0.367	0.902	0.111	1.915
554.5	0.366	0.901	0.111	1.913
555	0.364	0.899	0.111	1.911
555.5	0.363	0.899	0.11	1.908
556	0.362	0.898	0.11	1.906
556.5	0.36	0.897	0.11	1.903
557	0.359	0.897	0.11	1.901

557.5	0.358	0.896	0.109	1.9
558	0.357	0.895	0.109	1.897
558.5	0.355	0.894	0.109	1.895
559	0.354	0.893	0.109	1.892
559.5	0.353	0.892	0.108	1.889
560	0.352	0.892	0.108	1.887
560.5	0.351	0.891	0.108	1.884
561	0.349	0.889	0.108	1.881
561.5	0.349	0.889	0.107	1.879
562	0.348	0.888	0.108	1.876
562.5	0.346	0.888	0.107	1.874
563	0.345	0.887	0.107	1.87
563.5	0.344	0.886	0.107	1.867
564	0.343	0.886	0.107	1.865
564.5	0.342	0.885	0.106	1.861
565	0.341	0.885	0.106	1.858
565.5	0.34	0.884	0.106	1.855
566	0.339	0.882	0.106	1.853
566.5	0.338	0.882	0.105	1.849
567	0.337	0.881	0.105	1.845
567.5	0.336	0.881	0.105	1.842
568	0.335	0.88	0.105	1.839
568.5	0.334	0.879	0.105	1.836
569	0.333	0.878	0.104	1.832
569.5	0.331	0.877	0.104	1.829
570	0.33	0.877	0.104	1.825
570.5	0.329	0.876	0.104	1.823
571	0.328	0.875	0.104	1.82
571.5	0.328	0.875	0.104	1.816
572	0.327	0.874	0.103	1.812
572.5	0.326	0.873	0.103	1.809
573	0.324	0.872	0.103	1.805
573.5	0.324	0.871	0.103	1.802
574	0.323	0.871	0.103	1.798
574.5	0.322	0.87	0.102	1.795
575	0.321	0.869	0.102	1.791
575.5	0.32	0.869	0.102	1.788
576	0.319	0.868	0.102	1.784
576.5	0.318	0.867	0.102	1.78
577	0.317	0.866	0.101	1.776
577.5	0.316	0.865	0.101	1.774

578	0.315	0.865	0.101	1.77
578.5	0.315	0.864	0.101	1.766
579	0.314	0.864	0.101	1.762
579.5	0.313	0.863	0.1	1.759
580	0.312	0.862	0.1	1.756
580.5	0.311	0.861	0.1	1.752
581	0.31	0.86	0.1	1.748
581.5	0.309	0.859	0.099	1.745
582	0.309	0.859	0.099	1.741
582.5	0.308	0.859	0.099	1.737
583	0.307	0.857	0.099	1.734
583.5	0.306	0.857	0.098	1.73
584	0.305	0.856	0.099	1.726
584.5	0.305	0.855	0.098	1.723
585	0.304	0.855	0.098	1.719
585.5	0.303	0.854	0.098	1.715
586	0.302	0.853	0.098	1.712
586.5	0.301	0.852	0.097	1.708
587	0.301	0.852	0.098	1.704
587.5	0.301	0.851	0.097	1.701
588	0.3	0.851	0.097	1.698
588.5	0.299	0.85	0.097	1.694
589	0.298	0.849	0.097	1.691
589.5	0.298	0.849	0.096	1.687
590	0.297	0.848	0.097	1.683
590.5	0.296	0.847	0.096	1.68
591	0.296	0.847	0.096	1.676
591.5	0.295	0.846	0.096	1.673
592	0.294	0.845	0.096	1.669
592.5	0.293	0.844	0.095	1.665
593	0.293	0.844	0.095	1.662
593.5	0.292	0.843	0.095	1.659
594	0.291	0.842	0.095	1.655
594.5	0.29	0.841	0.094	1.651
595	0.29	0.841	0.094	1.648
595.5	0.289	0.84	0.094	1.645
596	0.288	0.839	0.094	1.64
596.5	0.288	0.838	0.094	1.638
597	0.288	0.838	0.094	1.634
597.5	0.286	0.837	0.093	1.629
598	0.286	0.836	0.093	1.626

598.5	0.285	0.836	0.093	1.622
599	0.284	0.836	0.093	1.618
599.5	0.284	0.835	0.093	1.615
600	0.283	0.834	0.092	1.611
600.5	0.283	0.833	0.092	1.607
601	0.282	0.833	0.092	1.604
601.5	0.281	0.832	0.092	1.6
602	0.28	0.832	0.092	1.597
602.5	0.28	0.831	0.091	1.594
603	0.28	0.831	0.091	1.59
603.5	0.279	0.83	0.091	1.587
604	0.278	0.829	0.091	1.583
604.5	0.278	0.829	0.091	1.58
605	0.277	0.828	0.091	1.576
605.5	0.277	0.828	0.091	1.573
606	0.276	0.827	0.09	1.57
606.5	0.276	0.826	0.09	1.566
607	0.275	0.825	0.09	1.564
607.5	0.275	0.825	0.09	1.561
608	0.274	0.824	0.09	1.557
608.5	0.274	0.824	0.09	1.554
609	0.273	0.823	0.089	1.551
609.5	0.273	0.823	0.09	1.548
610	0.272	0.822	0.089	1.544
610.5	0.272	0.821	0.089	1.541
611	0.271	0.82	0.089	1.537
611.5	0.27	0.82	0.089	1.534
612	0.27	0.82	0.089	1.531
612.5	0.27	0.82	0.089	1.528
613	0.268	0.818	0.089	1.525
613.5	0.268	0.818	0.089	1.521
614	0.268	0.817	0.088	1.518
614.5	0.268	0.817	0.088	1.515
615	0.267	0.816	0.088	1.512
615.5	0.266	0.816	0.088	1.509
616	0.266	0.815	0.088	1.506
616.5	0.265	0.814	0.087	1.502
617	0.265	0.814	0.088	1.499
617.5	0.264	0.813	0.087	1.496
618	0.264	0.813	0.087	1.493
618.5	0.263	0.812	0.087	1.49

619	0.263	0.811	0.087	1.486
619.5	0.262	0.811	0.087	1.483
620	0.262	0.81	0.087	1.479
620.5	0.261	0.81	0.086	1.476
621	0.261	0.809	0.086	1.473
621.5	0.26	0.808	0.086	1.47
622	0.26	0.807	0.086	1.467
622.5	0.259	0.807	0.086	1.463
623	0.259	0.807	0.086	1.461
623.5	0.259	0.806	0.086	1.457
624	0.258	0.805	0.086	1.454
624.5	0.257	0.805	0.085	1.451
625	0.257	0.804	0.085	1.448
625.5	0.256	0.803	0.085	1.445
626	0.256	0.803	0.085	1.441
626.5	0.256	0.802	0.085	1.439
627	0.255	0.801	0.085	1.435
627.5	0.254	0.801	0.085	1.432
628	0.254	0.8	0.084	1.429
628.5	0.253	0.799	0.084	1.426
629	0.253	0.799	0.084	1.423
629.5	0.253	0.799	0.084	1.42
630	0.252	0.798	0.084	1.417
630.5	0.252	0.797	0.083	1.415
631	0.251	0.796	0.084	1.412
631.5	0.251	0.796	0.083	1.409
632	0.25	0.795	0.083	1.406
632.5	0.25	0.795	0.083	1.404
633	0.249	0.794	0.083	1.4
633.5	0.249	0.794	0.083	1.398
634	0.249	0.793	0.083	1.395
634.5	0.248	0.793	0.083	1.392
635	0.248	0.792	0.082	1.389
635.5	0.248	0.792	0.082	1.386
636	0.247	0.791	0.082	1.383
636.5	0.246	0.79	0.082	1.38
637	0.246	0.789	0.082	1.377
637.5	0.246	0.789	0.082	1.375
638	0.245	0.788	0.082	1.372
638.5	0.245	0.788	0.082	1.369
639	0.245	0.787	0.082	1.366

639.5	0.244	0.787	0.082	1.363
640	0.244	0.786	0.082	1.361
640.5	0.243	0.785	0.081	1.358
641	0.243	0.785	0.081	1.355
641.5	0.242	0.784	0.081	1.352
642	0.242	0.783	0.081	1.349
642.5	0.242	0.783	0.081	1.346
643	0.241	0.782	0.081	1.343
643.5	0.241	0.781	0.08	1.34
644	0.241	0.781	0.08	1.338
644.5	0.24	0.781	0.08	1.334
645	0.24	0.78	0.08	1.331
645.5	0.24	0.779	0.08	1.329
646	0.239	0.779	0.08	1.325
646.5	0.239	0.778	0.079	1.323
647	0.238	0.777	0.079	1.321
647.5	0.238	0.776	0.079	1.318
648	0.238	0.776	0.079	1.315
648.5	0.237	0.775	0.079	1.312
649	0.237	0.774	0.079	1.31
649.5	0.237	0.774	0.079	1.307
650	0.236	0.773	0.079	1.305
650.5	0.236	0.773	0.078	1.302
651	0.235	0.772	0.078	1.298
651.5	0.235	0.772	0.078	1.296
652	0.234	0.771	0.078	1.293
652.5	0.234	0.77	0.078	1.291
653	0.234	0.77	0.078	1.288
653.5	0.233	0.769	0.077	1.286
654	0.234	0.769	0.078	1.283
654.5	0.233	0.768	0.077	1.28
655	0.233	0.768	0.077	1.278
655.5	0.233	0.767	0.077	1.275
656	0.231	0.765	0.077	1.272
656.5	0.232	0.766	0.077	1.27
657	0.231	0.765	0.077	1.266
657.5	0.231	0.764	0.076	1.265
658	0.23	0.764	0.076	1.261
658.5	0.231	0.763	0.076	1.259
659	0.23	0.763	0.076	1.256
659.5	0.23	0.762	0.076	1.254

660	0.23	0.762	0.076	1.251
660.5	0.229	0.761	0.076	1.248
661	0.229	0.761	0.075	1.246
661.5	0.229	0.76	0.075	1.243
662	0.229	0.759	0.075	1.241
662.5	0.228	0.758	0.075	1.238
663	0.228	0.757	0.075	1.235
663.5	0.228	0.757	0.075	1.232
664	0.227	0.756	0.075	1.23
664.5	0.227	0.756	0.075	1.227
665	0.226	0.755	0.074	1.224
665.5	0.226	0.754	0.074	1.222
666	0.226	0.754	0.074	1.219
666.5	0.226	0.753	0.074	1.216
667	0.225	0.753	0.074	1.214
667.5	0.225	0.752	0.074	1.212
668	0.224	0.752	0.074	1.208
668.5	0.224	0.751	0.074	1.206
669	0.224	0.75	0.073	1.203
669.5	0.224	0.75	0.073	1.201
670	0.223	0.749	0.073	1.198
670.5	0.223	0.749	0.073	1.196
671	0.223	0.748	0.073	1.193
671.5	0.223	0.748	0.073	1.191
672	0.223	0.747	0.072	1.188
672.5	0.222	0.747	0.072	1.186
673	0.222	0.746	0.072	1.183
673.5	0.222	0.746	0.072	1.181
674	0.221	0.744	0.072	1.178
674.5	0.221	0.744	0.072	1.175
675	0.221	0.743	0.071	1.173
675.5	0.221	0.743	0.072	1.171
676	0.22	0.742	0.071	1.168
676.5	0.22	0.742	0.071	1.166
677	0.22	0.742	0.071	1.164
677.5	0.22	0.741	0.071	1.162
678	0.219	0.74	0.071	1.159
678.5	0.219	0.74	0.071	1.156
679	0.218	0.738	0.071	1.154
679.5	0.219	0.739	0.071	1.151
680	0.218	0.738	0.071	1.149

680.5	0.218	0.737	0.071	1.147
681	0.218	0.736	0.07	1.144
681.5	0.217	0.735	0.07	1.142
682	0.217	0.735	0.07	1.139
682.5	0.217	0.734	0.07	1.137
683	0.217	0.735	0.07	1.135
683.5	0.216	0.733	0.07	1.132
684	0.216	0.733	0.07	1.13
684.5	0.216	0.732	0.07	1.128
685	0.216	0.732	0.07	1.125
685.5	0.216	0.731	0.07	1.122
686	0.215	0.73	0.07	1.12
686.5	0.215	0.73	0.07	1.117
687	0.215	0.729	0.07	1.115
687.5	0.214	0.728	0.069	1.112
688	0.214	0.727	0.07	1.11
688.5	0.214	0.727	0.07	1.108
689	0.214	0.727	0.069	1.105
689.5	0.214	0.726	0.07	1.103
690	0.213	0.725	0.069	1.101
690.5	0.213	0.725	0.069	1.099
691	0.213	0.724	0.069	1.096
691.5	0.213	0.724	0.069	1.095
692	0.213	0.723	0.069	1.092
692.5	0.212	0.722	0.069	1.089
693	0.212	0.722	0.069	1.087
693.5	0.212	0.721	0.069	1.085
694	0.212	0.721	0.069	1.082
694.5	0.212	0.72	0.069	1.08
695	0.211	0.719	0.069	1.078
695.5	0.211	0.719	0.068	1.077
696	0.211	0.719	0.068	1.074
696.5	0.211	0.718	0.068	1.072
697	0.211	0.718	0.068	1.07
697.5	0.21	0.717	0.068	1.068
698	0.21	0.716	0.068	1.065
698.5	0.21	0.716	0.068	1.063
699	0.21	0.715	0.068	1.06
699.5	0.209	0.715	0.068	1.059
700	0.209	0.714	0.068	1.056
700.5	0.209	0.714	0.068	1.054

701	0.209	0.713	0.068	1.052
701.5	0.208	0.712	0.068	1.049
702	0.208	0.712	0.068	1.047
702.5	0.208	0.712	0.068	1.045
703	0.208	0.711	0.067	1.043
703.5	0.208	0.711	0.067	1.041
704	0.207	0.71	0.067	1.039
704.5	0.208	0.709	0.067	1.037
705	0.208	0.71	0.067	1.034
705.5	0.207	0.708	0.067	1.032
706	0.207	0.708	0.067	1.03
706.5	0.207	0.708	0.067	1.028
707	0.206	0.706	0.067	1.026
707.5	0.206	0.706	0.067	1.023
708	0.206	0.705	0.067	1.02
708.5	0.206	0.705	0.067	1.019
709	0.206	0.705	0.066	1.016
709.5	0.205	0.704	0.067	1.014
710	0.205	0.703	0.066	1.012
710.5	0.205	0.703	0.066	1.01
711	0.205	0.702	0.066	1.009
711.5	0.204	0.701	0.066	1.006
712	0.205	0.702	0.066	1.004
712.5	0.204	0.7	0.066	1.002
713	0.204	0.7	0.066	0.999
713.5	0.203	0.699	0.065	0.997
714	0.204	0.699	0.065	0.995
714.5	0.203	0.698	0.065	0.993
715	0.203	0.698	0.065	0.991
715.5	0.203	0.697	0.065	0.989
716	0.202	0.696	0.065	0.987
716.5	0.202	0.695	0.065	0.985
717	0.202	0.695	0.065	0.982
717.5	0.202	0.695	0.065	0.981
718	0.202	0.694	0.065	0.979
718.5	0.202	0.693	0.065	0.977
719	0.202	0.693	0.065	0.975
719.5	0.201	0.692	0.064	0.974
720	0.201	0.691	0.064	0.972
720.5	0.201	0.691	0.064	0.97
721	0.201	0.691	0.064	0.968

721.5	0.201	0.69	0.064	0.966
722	0.2	0.689	0.064	0.964
722.5	0.2	0.689	0.064	0.962
723	0.2	0.688	0.064	0.96
723.5	0.199	0.687	0.064	0.958
724	0.2	0.687	0.063	0.957
724.5	0.2	0.686	0.063	0.954
725	0.199	0.686	0.063	0.953
725.5	0.2	0.686	0.063	0.951
726	0.198	0.684	0.063	0.949
726.5	0.198	0.684	0.063	0.946
727	0.199	0.684	0.063	0.945
727.5	0.199	0.683	0.063	0.943
728	0.198	0.682	0.062	0.941
728.5	0.198	0.682	0.062	0.939
729	0.198	0.681	0.062	0.938
729.5	0.197	0.68	0.062	0.935
730	0.197	0.68	0.062	0.934
730.5	0.197	0.68	0.062	0.932
731	0.197	0.679	0.062	0.93
731.5	0.197	0.679	0.062	0.928
732	0.196	0.678	0.062	0.926
732.5	0.197	0.677	0.062	0.924
733	0.197	0.677	0.062	0.923
733.5	0.197	0.676	0.062	0.922
734	0.196	0.676	0.062	0.919
734.5	0.195	0.675	0.061	0.918
735	0.196	0.675	0.061	0.916
735.5	0.196	0.674	0.061	0.915
736	0.196	0.673	0.061	0.913
736.5	0.196	0.673	0.061	0.911
737	0.195	0.671	0.061	0.909
737.5	0.195	0.671	0.061	0.908
738	0.195	0.671	0.061	0.906
738.5	0.195	0.671	0.061	0.904
739	0.195	0.67	0.061	0.902
739.5	0.195	0.67	0.061	0.901
740	0.194	0.669	0.061	0.899
740.5	0.194	0.668	0.061	0.898
741	0.194	0.667	0.06	0.896
741.5	0.194	0.666	0.061	0.895

742	0.194	0.667	0.06	0.892
742.5	0.194	0.666	0.06	0.891
743	0.194	0.666	0.06	0.89
743.5	0.193	0.664	0.06	0.888
744	0.194	0.665	0.06	0.886
744.5	0.193	0.663	0.06	0.885
745	0.193	0.664	0.06	0.883
745.5	0.192	0.662	0.06	0.881
746	0.193	0.661	0.06	0.88
746.5	0.193	0.661	0.06	0.878
747	0.193	0.661	0.06	0.877
747.5	0.193	0.66	0.06	0.874
748	0.194	0.66	0.06	0.873
748.5	0.193	0.659	0.059	0.872
749	0.193	0.658	0.06	0.87
749.5	0.193	0.658	0.06	0.868
750	0.193	0.657	0.06	0.867
750.5	0.193	0.657	0.06	0.865
751	0.194	0.656	0.059	0.863
751.5	0.192	0.655	0.06	0.861
752	0.192	0.654	0.059	0.86
752.5	0.194	0.654	0.059	0.859
753	0.193	0.654	0.059	0.857
753.5	0.193	0.653	0.059	0.855
754	0.193	0.652	0.059	0.854
754.5	0.193	0.651	0.059	0.852
755	0.193	0.651	0.059	0.851
755.5	0.193	0.65	0.059	0.849
756	0.193	0.65	0.059	0.848
756.5	0.192	0.649	0.059	0.846
757	0.193	0.649	0.059	0.844
757.5	0.192	0.648	0.059	0.843
758	0.192	0.647	0.059	0.842
758.5	0.192	0.647	0.059	0.84
759	0.192	0.646	0.059	0.839
759.5	0.192	0.646	0.059	0.836
760	0.191	0.645	0.059	0.835
760.5	0.191	0.645	0.059	0.834
761	0.19	0.644	0.059	0.833
761.5	0.191	0.644	0.06	0.831
762	0.19	0.643	0.059	0.83

762.5	0.191	0.643	0.059	0.828
763	0.19	0.641	0.059	0.826
763.5	0.189	0.641	0.059	0.825
764	0.189	0.64	0.059	0.824
764.5	0.189	0.64	0.059	0.823
765	0.189	0.639	0.059	0.821
765.5	0.189	0.639	0.058	0.819
766	0.189	0.639	0.058	0.818
766.5	0.188	0.638	0.059	0.816
767	0.188	0.637	0.058	0.815
767.5	0.188	0.637	0.058	0.814
768	0.188	0.637	0.058	0.811
768.5	0.188	0.636	0.058	0.81
769	0.187	0.635	0.058	0.809
769.5	0.186	0.634	0.058	0.808
770	0.186	0.634	0.057	0.805
770.5	0.186	0.634	0.057	0.805
771	0.185	0.632	0.058	0.803
771.5	0.185	0.632	0.057	0.801
772	0.186	0.633	0.057	0.8
772.5	0.185	0.632	0.057	0.798
773	0.185	0.63	0.057	0.797
773.5	0.185	0.63	0.057	0.795
774	0.185	0.629	0.058	0.795
774.5	0.184	0.628	0.057	0.793
775	0.185	0.629	0.057	0.791
775.5	0.185	0.628	0.057	0.79
776	0.183	0.627	0.057	0.789
776.5	0.184	0.627	0.057	0.787
777	0.183	0.627	0.057	0.786
777.5	0.184	0.626	0.056	0.784
778	0.184	0.626	0.057	0.783
778.5	0.184	0.625	0.057	0.782
779	0.184	0.624	0.057	0.78
779.5	0.184	0.624	0.057	0.78
780	0.183	0.624	0.057	0.778
780.5	0.184	0.623	0.056	0.776
781	0.184	0.623	0.057	0.775
781.5	0.183	0.622	0.057	0.775
782	0.183	0.622	0.056	0.773
782.5	0.184	0.622	0.057	0.772

783	0.183	0.621	0.056	0.77
783.5	0.183	0.621	0.056	0.769
784	0.182	0.619	0.056	0.767
784.5	0.183	0.619	0.057	0.767
785	0.182	0.618	0.056	0.765
785.5	0.182	0.618	0.056	0.764
786	0.182	0.618	0.056	0.762
786.5	0.181	0.616	0.056	0.761
787	0.182	0.617	0.056	0.759
787.5	0.181	0.616	0.056	0.759
788	0.182	0.616	0.056	0.758
788.5	0.182	0.615	0.056	0.756
789	0.182	0.614	0.056	0.754
789.5	0.181	0.615	0.056	0.753
790	0.181	0.614	0.056	0.752
790.5	0.18	0.613	0.056	0.751
791	0.181	0.613	0.056	0.749
791.5	0.181	0.612	0.055	0.749
792	0.181	0.611	0.056	0.747
792.5	0.181	0.612	0.055	0.745
793	0.181	0.61	0.055	0.744
793.5	0.18	0.61	0.056	0.743
794	0.18	0.61	0.055	0.741
794.5	0.18	0.609	0.055	0.74
795	0.18	0.608	0.055	0.74
795.5	0.179	0.608	0.055	0.737
796	0.18	0.607	0.055	0.737
796.5	0.18	0.607	0.055	0.736
797	0.179	0.607	0.055	0.734
797.5	0.179	0.605	0.055	0.733
798	0.179	0.606	0.055	0.731
798.5	0.179	0.605	0.055	0.73
799	0.179	0.604	0.054	0.73
799.5	0.178	0.604	0.055	0.728
800	0.179	0.603	0.054	0.727

Raw data for Figure 5

Raw data for Figure 5	Column1	Column2	Column3
Wavenumber(cm-1)	Transmittance(Au- Ru NP)	Transmittance(Au NP)	Transmittance(Dry aloe vera)
3997.0382	1.00377	1.00647	1.00381
3994.99889	1.00372	1.0062	1.00345

3992.95959	1.00348	1.00576	1.00294
3990.92028	1.00328	1.00531	1.00244
3988.88098	1.00301	1.00511	1.00215
3986.84167	1.00278	1.00529	1.00202
3984.80237	1.00265	1.00546	1.00179
3982.76306	1.00246	1.00532	1.00143
3980.72376	1.00214	1.005	1.00119
3978.68445	1.00189	1.00454	1.00109
3976.64515	1.00191	1.00378	1.00073
3974.60584	1.0018	1.00293	1.00009
3972.56654	1.00149	1.00253	0.99957
3970.52723	1.00127	1.00267	0.99927
3968.48793	1.00109	1.00295	0.99912
3966.44862	1.00098	1.00304	0.99927
3964.40932	1.00113	1.00287	0.99956
3962.37001	1.00124	1.00234	0.99957
3960.3307	1.00095	1.00165	0.99943
3958.2914	1.00077	1.0013	0.99945
3956.25209	1.00067	1.00137	0.99958
3954.21279	1.00039	1.00156	0.9999
3952.17348	1.00036	1.00153	1.00021
3950.13418	1.00056	1.00095	1.00001
3948.09487	1.00029	1.00013	0.99972
3946.05557	1	1	1
3944.01626	1.00056	1.00024	0.99983
3941.97696	1.00066	0.99984	0.99889
3939.93765	0.99995	0.99935	0.99856
3937.89835	0.99949	0.99961	0.99913
3935.85904	0.99934	1.00035	0.99989
3933.81974	0.99976	1.00047	0.9999
3931.78043	1.00003	0.99931	0.99898
3929.74113	0.9995	0.9983	0.99868
3927.70182	0.99918	0.99862	0.99931
3925.66252	0.99942	0.99892	0.99935
3923.62321	0.99889	0.99837	0.99901
3921.58391	0.99841	0.99821	0.99929
3919.5446	0.99907	0.99836	0.99925
3917.5053	0.99963	0.99751	0.99818
3915.46599	0.99918	0.99629	0.99728
3913.42669	0.9986	0.99614	0.99729
3911.38738	0.99822	0.99701	0.99778

3909.34807	0.99757	0.99851	0.999
3907.30877	0.99753	1.00015	1.00072
3905.26946	0.99815	1.00014	1.00111
3903.23016	0.99813	0.99761	0.99971
3901.19085	0.99851	0.99444	0.99761
3899.15155	0.99896	0.9926	0.99596
3897.11224	0.9978	0.99321	0.99641
3895.07294	0.99719	0.99584	0.99824
3893.03363	0.99812	0.99729	0.99826
3890.99433	0.99777	0.99603	0.99705
3888.95502	0.99671	0.99549	0.99785
3886.91572	0.99785	0.9965	0.99865
3884.87641	0.99803	0.99637	0.99775
3882.83711	0.99748	0.99554	0.99716
3880.7978	0.99821	0.99453	0.99614
3878.7585	0.99703	0.99363	0.9957
3876.71919	0.99633	0.9948	0.99717
3874.67989	0.99687	0.99648	0.99821
3872.64058	0.99658	0.99644	0.99801
3870.60128	0.99681	0.99473	0.99666
3868.56197	0.99579	0.99307	0.99588
3866.52267	0.99579	0.99349	0.99667
3864.48336	0.99756	0.99376	0.99588
3862.44406	0.99727	0.99217	0.99406
3860.40475	0.99563	0.99179	0.99472
3858.36544	0.99422	0.99455	0.99799
3856.32614	0.99511	0.99808	1
3854.28683	0.99789	0.9962	0.99624
3852.24753	0.99721	0.98837	0.99028
3850.20822	0.99529	0.98523	0.9901
3848.16892	0.9953	0.98846	0.99312
3846.12961	0.99579	0.99244	0.99525
3844.09031	0.99557	0.99417	0.99628
3842.051	0.99501	0.9943	0.99724
3840.0117	0.99595	0.99365	0.99735
3837.97239	0.99696	0.99151	0.99546
3835.93309	0.9962	0.98904	0.99363
3833.89378	0.99577	0.9883	0.99296
3831.85448	0.99556	0.98866	0.99249
3829.81517	0.99462	0.98937	0.99256
3827.77587	0.99411	0.99034	0.99336

3825.73656	0.99324	0.99145	0.99489
3823.69726	0.99351	0.99264	0.99623
3821.65795	0.99513	0.99189	0.9949
3819.61865	0.99407	0.98931	0.99316
3817.57934	0.99454	0.98802	0.99243
3815.54004	0.99548	0.98653	0.99005
3813.50073	0.99344	0.98549	0.98903
3811.46142	0.99226	0.98765	0.99105
3809.42212	0.99304	0.99076	0.99243
3807.38281	0.99348	0.99107	0.9914
3805.34351	0.99201	0.98993	0.99126
3803.3042	0.99297	0.98985	0.99196
3801.2649	0.99449	0.9881	0.9903
3799.22559	0.99299	0.98527	0.9888
3797.18629	0.99294	0.98422	0.98812
3795.14698	0.99278	0.9839	0.98686
3793.10768	0.99188	0.98411	0.98632
3791.06837	0.99145	0.98496	0.98645
3789.02907	0.99092	0.98564	0.98659
3786.98976	0.99076	0.98577	0.98655
3784.95046	0.99069	0.98529	0.98624
3782.91115	0.99041	0.98504	0.98619
3780.87185	0.99125	0.98496	0.98551
3778.83254	0.99159	0.98361	0.9836
3776.79324	0.99036	0.9824	0.98261
3774.75393	0.98953	0.98345	0.98342
3772.71463	0.98965	0.98539	0.98431
3770.67532	0.99016	0.98537	0.98358
3768.63602	0.98958	0.98315	0.98197
3766.59671	0.9892	0.98131	0.98102
3764.55741	0.98883	0.98115	0.98112
3762.5181	0.98863	0.98244	0.98218
3760.47879	0.98973	0.98315	0.98216
3758.43949	0.98938	0.9819	0.98098
3756.40018	0.98758	0.98188	0.98194
3754.36088	0.9876	0.98484	0.98457
3752.32157	0.9895	0.9862	0.9845
3750.28227	0.98923	0.9825	0.98179
3748.24296	0.98695	0.97946	0.98163
3746.20366	0.98817	0.97938	0.98134
3744.16435	0.98954	0.97715	0.97743

3742.12505	0.9868	0.97501	0.9764
3740.08574	0.98578	0.97768	0.98007
3738.04644	0.98728	0.98137	0.9824
3736.00713	0.98864	0.98003	0.97972
3733.96783	0.98823	0.97451	0.97424
3731.92852	0.98659	0.97118	0.97049
3729.88922	0.98468	0.97217	0.9699
3727.84991	0.98442	0.97452	0.96988
3725.81061	0.98485	0.97514	0.96816
3723.7713	0.98476	0.97384	0.96525
3721.732	0.9845	0.97213	0.96202
3719.69269	0.98361	0.97113	0.95907
3717.65339	0.98212	0.97176	0.95768
3715.61408	0.98104	0.97404	0.95779
3713.57478	0.98198	0.97545	0.95633
3711.53547	0.98308	0.97247	0.95086
3709.49616	0.98185	0.96716	0.94472
3707.45686	0.97988	0.96519	0.94161
3705.41755	0.97891	0.96667	0.94017
3703.37825	0.97913	0.96766	0.93701
3701.33894	0.97843	0.96581	0.93162
3699.29964	0.97657	0.9635	0.92696
3697.26033	0.97546	0.96317	0.92397
3695.22103	0.97435	0.96431	0.92175
3693.18172	0.97356	0.9658	0.91936
3691.14242	0.97434	0.96503	0.91416
3689.10311	0.97483	0.95962	0.90491
3687.06381	0.97273	0.95379	0.89608
3685.0245	0.97043	0.95246	0.89045
3682.9852	0.96906	0.95397	0.88584
3680.94589	0.96743	0.95549	0.88098
3678.90659	0.96634	0.95606	0.8755
3676.86728	0.96698	0.95336	0.86627
3674.82798	0.96511	0.94669	0.85397
3672.78867	0.96208	0.94241	0.8444
3670.74937	0.96298	0.94039	0.8334
3668.71006	0.96157	0.9362	0.81889
3666.67076	0.95762	0.93303	0.8072
3664.63145	0.95524	0.93237	0.79773
3662.59215	0.95324	0.93174	0.78757
3660.55284	0.95085	0.93048	0.77708

3658.51353	0.94917	0.92834	0.7655
3656.47423	0.94708	0.92419	0.7521
3654.43492	0.94317	0.92076	0.74106
3652.39562	0.94143	0.92038	0.73227
3650.35631	0.94168	0.91676	0.71776
3648.31701	0.9394	0.90573	0.69722
3646.2777	0.93528	0.89673	0.68062
3644.2384	0.93191	0.89462	0.66963
3642.19909	0.92935	0.8944	0.65925
3640.15979	0.92632	0.89232	0.64763
3638.12048	0.92308	0.8889	0.63589
3636.08118	0.92005	0.88541	0.62467
3634.04187	0.91681	0.8825	0.61452
3632.00257	0.91394	0.88003	0.60488
3629.96326	0.91296	0.8745	0.59136
3627.92396	0.91011	0.86452	0.57482
3625.88465	0.90513	0.85801	0.56378
3623.84535	0.90156	0.85727	0.55751
3621.80604	0.8992	0.85664	0.55001
3619.76674	0.89684	0.8519	0.53898
3617.72743	0.89321	0.84514	0.52769
3615.68813	0.89022	0.84069	0.51901
3613.64882	0.88834	0.83748	0.51073
3611.60952	0.88566	0.8334	0.50179
3609.57021	0.88294	0.82846	0.49252
3607.5309	0.87999	0.82299	0.48315
3605.4916	0.87638	0.81885	0.47547
3603.45229	0.87345	0.81658	0.46932
3601.41299	0.87074	0.81377	0.46275
3599.37368	0.86746	0.80941	0.4557
3597.33438	0.86452	0.80464	0.44858
3595.29507	0.86206	0.7998	0.44113
3593.25577	0.85886	0.79565	0.43459
3591.21646	0.85563	0.79335	0.4298
3589.17716	0.85383	0.7905	0.42414
3587.13785	0.85186	0.78437	0.41631
3585.09855	0.84858	0.77831	0.4094
3583.05924	0.84563	0.77533	0.40438
3581.01994	0.84299	0.77318	0.39939
3578.98063	0.84003	0.76996	0.39392
3576.94133	0.83707	0.76608	0.38851

3574.90202	0.83419	0.76218	0.38353
3572.86272	0.83097	0.75891	0.3796
3570.82341	0.82795	0.75655	0.37652
3568.78411	0.8261	0.75296	0.37202
3566.7448	0.82434	0.74627	0.36525
3564.7055	0.82165	0.74008	0.35945
3562.66619	0.81901	0.73726	0.35581
3560.62688	0.81655	0.73539	0.35226
3558.58758	0.81374	0.73267	0.34826
3556.54827	0.81081	0.72969	0.34455
3554.50897	0.80826	0.72668	0.34092
3552.46966	0.80597	0.72321	0.33702
3550.43036	0.80362	0.71984	0.33361
3548.39105	0.80177	0.71686	0.33068
3546.35175	0.80009	0.71311	0.32722
3544.31244	0.79761	0.70876	0.32326
3542.27314	0.79469	0.7054	0.3197
3540.23383	0.79208	0.7032	0.31667
3538.19453	0.79002	0.70104	0.31364
3536.15522	0.78805	0.69822	0.31041
3534.11592	0.78572	0.69513	0.30742
3532.07661	0.78341	0.69228	0.30492
3530.03731	0.78143	0.68944	0.30241
3527.998	0.77963	0.68639	0.29963
3525.9587	0.77799	0.68334	0.29691
3523.91939	0.77638	0.68025	0.29418
3521.88009	0.77438	0.67718	0.29129
3519.84078	0.77224	0.67453	0.2887
3517.80148	0.77025	0.6723	0.28647
3515.76217	0.76828	0.67024	0.28435
3513.72287	0.76649	0.66813	0.2823
3511.68356	0.76488	0.66555	0.28004
3509.64425	0.76303	0.6625	0.27748
3507.60495	0.7608	0.65994	0.27524
3505.56564	0.75924	0.65809	0.27347
3503.52634	0.75828	0.65565	0.27131
3501.48703	0.75656	0.65266	0.26884
3499.44773	0.75446	0.65048	0.26682
3497.40842	0.75273	0.6487	0.26509
3495.36912	0.75103	0.64636	0.26328
3493.32981	0.74913	0.64403	0.26143

3491.29051	0.74731	0.64212	0.25962
3489.2512	0.74585	0.64	0.25776
3487.2119	0.74441	0.63755	0.25604
3485.17259	0.74281	0.6354	0.25461
3483.13329	0.74158	0.63342	0.25317
3481.09398	0.74039	0.6312	0.25148
3479.05468	0.73884	0.62917	0.24984
3477.01537	0.73732	0.6275	0.24839
3474.97607	0.73584	0.62574	0.24699
3472.93676	0.73448	0.6239	0.24563
3470.89746	0.7336	0.62235	0.24451
3468.85815	0.73285	0.62094	0.24348
3466.81885	0.73163	0.61926	0.24225
3464.77954	0.73018	0.61727	0.24074
3462.74024	0.72889	0.61526	0.23917
3460.70093	0.72761	0.61354	0.23777
3458.66162	0.72637	0.61206	0.23654
3456.62232	0.72535	0.61053	0.23546
3454.58301	0.72446	0.60898	0.23442
3452.54371	0.72351	0.60774	0.23332
3450.5044	0.72263	0.60702	0.23235
3448.4651	0.72228	0.60626	0.23145
3446.42579	0.72187	0.60481	0.23034
3444.38649	0.72104	0.60315	0.22926
3442.34718	0.72044	0.60178	0.2284
3440.30788	0.72002	0.60092	0.22767
3438.26857	0.7199	0.60057	0.22714
3436.22927	0.71986	0.60014	0.22667
3434.18996	0.71942	0.59936	0.22606
3432.15066	0.71886	0.59846	0.22542
3430.11135	0.71851	0.59768	0.22478
3428.07205	0.71818	0.59689	0.224
3426.03274	0.71775	0.59599	0.22324
3423.99344	0.71743	0.59528	0.22272
3421.95413	0.71751	0.59489	0.22228
3419.91483	0.71775	0.59464	0.2218
3417.87552	0.71784	0.59448	0.22147
3415.83622	0.7179	0.59434	0.22149
3413.79691	0.7181	0.59423	0.22166
3411.75761	0.71848	0.59407	0.22161
3409.7183	0.71885	0.59376	0.22139

3407.67899	0.71916	0.59357	0.22133
3405.63969	0.71951	0.59367	0.22152
3403.60038	0.7201	0.59408	0.22188
3401.56108	0.72083	0.59459	0.22217
3399.52177	0.72133	0.59485	0.22208
3397.48247	0.72157	0.5947	0.22178
3395.44316	0.72195	0.59486	0.22185
3393.40386	0.72281	0.59555	0.22221
3391.36455	0.72357	0.59602	0.22237
3389.32525	0.72388	0.59604	0.22237
3387.28594	0.72428	0.59614	0.22242
3385.24664	0.72504	0.59644	0.22255
3383.20733	0.72594	0.59691	0.22277
3381.16803	0.72684	0.59768	0.22311
3379.12872	0.72773	0.59856	0.22341
3377.08942	0.72866	0.59938	0.22372
3375.05011	0.7297	0.60025	0.22411
3373.01081	0.73093	0.60133	0.22457
3370.9715	0.73231	0.60261	0.22512
3368.9322	0.73365	0.60377	0.22564
3366.89289	0.73478	0.60461	0.22589
3364.85359	0.73574	0.60531	0.22604
3362.81428	0.73681	0.60607	0.22638
3360.77498	0.73796	0.607	0.22679
3358.73567	0.73903	0.60811	0.22719
3356.69636	0.74013	0.6092	0.2277
3354.65706	0.74138	0.61036	0.22837
3352.61775	0.74281	0.61182	0.22907
3350.57845	0.74423	0.61334	0.22971
3348.53914	0.74544	0.61455	0.23024
3346.49984	0.74668	0.61566	0.23074
3344.46053	0.74812	0.61704	0.23146
3342.42123	0.74963	0.61863	0.23246
3340.38192	0.75111	0.62021	0.23357
3338.34262	0.75246	0.62161	0.23457
3336.30331	0.75367	0.6227	0.23539
3334.26401	0.75478	0.62375	0.23632
3332.2247	0.75593	0.6251	0.23749
3330.1854	0.75719	0.62663	0.23872
3328.14609	0.75852	0.6281	0.23994
3326.10679	0.75992	0.62959	0.24119

3324.06748	0.76128	0.63106	0.24247
3322.02818	0.76249	0.63234	0.24384
3319.98887	0.76367	0.63357	0.24524
3317.94957	0.76483	0.63483	0.24653
3315.91026	0.76595	0.636	0.2477
3313.87096	0.76711	0.63724	0.24889
3311.83165	0.76834	0.63877	0.25019
3309.79234	0.76963	0.64042	0.25151
3307.75304	0.77091	0.64188	0.25267
3305.71373	0.77211	0.64324	0.25371
3303.67443	0.77308	0.64455	0.25482
3301.63512	0.77379	0.64576	0.25599
3299.59582	0.77458	0.64695	0.25703
3297.55651	0.7755	0.64814	0.25802
3295.51721	0.77641	0.64935	0.2592
3293.4779	0.77739	0.65036	0.26047
3291.4386	0.77835	0.65113	0.26168
3289.39929	0.77912	0.65202	0.26282
3287.35999	0.77988	0.65315	0.26395
3285.32068	0.78063	0.65436	0.26516
3283.28138	0.78135	0.65569	0.26641
3281.24207	0.78221	0.65715	0.26759
3279.20277	0.78319	0.65847	0.26875
3277.16346	0.7842	0.6596	0.2701
3275.12416	0.78522	0.66073	0.27156
3273.08485	0.78621	0.66194	0.27298
3271.04555	0.78708	0.66319	0.27439
3269.00624	0.78783	0.6644	0.27584
3266.96694	0.78851	0.66549	0.27733
3264.92763	0.78928	0.66662	0.27882
3262.88833	0.79024	0.66799	0.28031
3260.84902	0.79131	0.66956	0.28189
3258.80971	0.79228	0.67109	0.28358
3256.77041	0.79307	0.67239	0.28532
3254.7311	0.79383	0.67349	0.28694
3252.6918	0.7947	0.67455	0.28852
3250.65249	0.79572	0.67579	0.29025
3248.61319	0.79676	0.6774	0.29204
3246.57388	0.79784	0.67909	0.29376
3244.53458	0.79886	0.68046	0.29541
3242.49527	0.79973	0.6818	0.29706

3240.45597	0.80069	0.68345	0.29881
3238.41666	0.80177	0.68516	0.30074
3236.37736	0.80305	0.68681	0.30278
3234.33805	0.80446	0.68854	0.30474
3232.29875	0.80565	0.69021	0.30665
3230.25944	0.80654	0.6916	0.30859
3228.22014	0.80741	0.69289	0.31057
3226.18083	0.80844	0.69444	0.31262
3224.14153	0.80971	0.69632	0.31474
3222.10222	0.81108	0.69824	0.31671
3220.06292	0.81237	0.7	0.31864
3218.02361	0.81357	0.70174	0.32084
3215.98431	0.81479	0.70352	0.32315
3213.945	0.81598	0.7052	0.32534
3211.9057	0.8171	0.7069	0.32753
3209.86639	0.81839	0.7088	0.32981
3207.82708	0.81977	0.71083	0.3321
3205.78778	0.82103	0.71283	0.33441
3203.74847	0.82212	0.71467	0.33671
3201.70917	0.82324	0.71645	0.33902
3199.66986	0.82461	0.7183	0.34139
3197.63056	0.82611	0.72024	0.34383
3195.59125	0.82753	0.72234	0.34637
3193.55195	0.82891	0.72449	0.34898
3191.51264	0.83025	0.72644	0.35153
3189.47334	0.8315	0.72827	0.35396
3187.43403	0.83275	0.73013	0.35645
3185.39473	0.834	0.73194	0.35909
3183.35542	0.83531	0.73387	0.36175
3181.31612	0.83674	0.73609	0.36431
3179.27681	0.83819	0.73822	0.36679
3177.23751	0.83949	0.74004	0.36935
3175.1982	0.84076	0.742	0.37203
3173.1589	0.84218	0.74421	0.37476
3171.11959	0.84356	0.74632	0.37755
3169.08029	0.84488	0.74828	0.38033
3167.04098	0.84617	0.75017	0.38301
3165.00168	0.8474	0.75194	0.38567
3162.96237	0.84858	0.75367	0.38848
3160.92307	0.84986	0.75561	0.39135
3158.88376	0.85127	0.75774	0.39415

3156.84445	0.85271	0.75982	0.39688
3154.80515	0.85414	0.76186	0.39959
3152.76584	0.85552	0.76385	0.40235
3150.72654	0.85682	0.76561	0.40515
3148.68723	0.85798	0.76714	0.40796
3146.64793	0.85898	0.76885	0.41087
3144.60862	0.86006	0.77092	0.41386
3142.56932	0.86133	0.77295	0.41687
3140.53001	0.86266	0.77462	0.41974
3138.49071	0.86382	0.77623	0.42252
3136.4514	0.86485	0.77809	0.42537
3134.4121	0.86592	0.77999	0.42828
3132.37279	0.86703	0.78162	0.43123
3130.33349	0.86807	0.78323	0.4342
3128.29418	0.8691	0.785	0.437
3126.25488	0.8702	0.78679	0.43965
3124.21557	0.87148	0.7886	0.44247
3122.17627	0.87289	0.79046	0.44559
3120.13696	0.87423	0.79219	0.44885
3118.09766	0.87539	0.79371	0.45193
3116.05835	0.8763	0.79508	0.45481
3114.01905	0.8772	0.79654	0.45766
3111.97974	0.87825	0.79817	0.46053
3109.94044	0.8792	0.79978	0.46336
3107.90113	0.87993	0.80127	0.46613
3105.86182	0.8807	0.80282	0.46897
3103.82252	0.88177	0.80454	0.47195
3101.78321	0.88308	0.80616	0.47489
3099.74391	0.88419	0.80754	0.47773
3097.7046	0.88507	0.80888	0.48053
3095.6653	0.88595	0.81017	0.48329
3093.62599	0.88679	0.81137	0.48604
3091.58669	0.88766	0.8127	0.48888
3089.54738	0.88853	0.81415	0.49179
3087.50808	0.88942	0.81558	0.49471
3085.46877	0.89038	0.81709	0.49764
3083.42947	0.89142	0.81875	0.50048
3081.39016	0.89244	0.82032	0.50323
3079.35086	0.89328	0.82154	0.50598
3077.31155	0.89393	0.82254	0.5087
3075.27225	0.8945	0.82352	0.51135

3073.23294	0.8951	0.82458	0.51399
3071.19364	0.89583	0.82588	0.51669
3069.15433	0.89671	0.82731	0.51948
3067.11503	0.8976	0.82858	0.52224
3065.07572	0.89844	0.82969	0.52492
3063.03642	0.89925	0.8308	0.52762
3060.99711	0.9001	0.83195	0.53045
3058.9578	0.90099	0.83323	0.5334
3056.9185	0.90186	0.83453	0.53635
3054.87919	0.90263	0.83572	0.53926
3052.83989	0.90343	0.83694	0.54225
3050.80058	0.90427	0.83814	0.54523
3048.76128	0.90504	0.83919	0.54807
3046.72197	0.90582	0.84033	0.55095
3044.68267	0.90663	0.84153	0.55393
3042.64336	0.90744	0.84255	0.55685
3040.60406	0.90819	0.84348	0.55962
3038.56475	0.90894	0.84447	0.56234
3036.52545	0.90979	0.84553	0.56518
3034.48614	0.91062	0.84665	0.56797
3032.44684	0.91124	0.84771	0.57046
3030.40753	0.91171	0.84855	0.57274
3028.36823	0.91219	0.84935	0.57512
3026.32892	0.91286	0.85026	0.5777
3024.28962	0.91357	0.85123	0.58028
3022.25031	0.91421	0.85226	0.58263
3020.21101	0.91478	0.85323	0.5849
3018.1717	0.91532	0.85402	0.58718
3016.1324	0.91586	0.85471	0.58931
3014.09309	0.91641	0.85545	0.59118
3012.05379	0.91697	0.85619	0.59289
3010.01448	0.91739	0.85679	0.59454
3007.97517	0.91757	0.85728	0.59621
3005.93587	0.91784	0.85785	0.5979
3003.89656	0.91833	0.8585	0.59951
3001.85726	0.91889	0.8591	0.60097
2999.81795	0.91939	0.85961	0.60217
2997.77865	0.91984	0.86011	0.60302
2995.73934	0.92022	0.86064	0.60344
2993.70004	0.92049	0.86103	0.60347
2991.66073	0.9206	0.8611	0.60306

2989.62143	0.92052	0.86101	0.60212
2987.58212	0.92042	0.86101	0.60078
2985.54282	0.92036	0.86118	0.59914
2983.50351	0.92031	0.86136	0.59705
2981.46421	0.92019	0.86134	0.59436
2979.4249	0.91987	0.86102	0.59107
2977.3856	0.91942	0.86059	0.5873
2975.34629	0.91902	0.86016	0.58306
2973.30699	0.91861	0.85968	0.57818
2971.26768	0.91785	0.85913	0.57272
2969.22838	0.91661	0.85833	0.567
2967.18907	0.91516	0.85706	0.56129
2965.14977	0.91376	0.85559	0.55579
2963.11046	0.91253	0.85432	0.55063
2961.07116	0.91152	0.85328	0.54589
2959.03185	0.9108	0.85248	0.54169
2956.99254	0.9105	0.85197	0.53831
2954.95324	0.91062	0.85164	0.53567
2952.91393	0.91098	0.85152	0.53331
2950.87463	0.91134	0.8515	0.53065
2948.83532	0.91162	0.85139	0.5274
2946.79602	0.91159	0.85104	0.52347
2944.75671	0.911	0.85035	0.51884
2942.71741	0.90996	0.84927	0.51363
2940.6781	0.90852	0.84776	0.50809
2938.6388	0.90659	0.84589	0.50243
2936.59949	0.90425	0.84379	0.49673
2934.56019	0.90167	0.84153	0.49099
2932.52088	0.89895	0.83932	0.48536
2930.48158	0.89611	0.8372	0.47984
2928.44227	0.89323	0.83503	0.47428
2926.40297	0.89047	0.83292	0.46881
2924.36366	0.88807	0.83119	0.46385
2922.32436	0.88624	0.83012	0.46004
2920.28505	0.8853	0.82984	0.45817
2918.24575	0.8856	0.83041	0.45973
2916.20644	0.8876	0.83221	0.46651
2914.16714	0.89139	0.83545	0.47818
2912.12783	0.89606	0.83946	0.49128
2910.08853	0.90035	0.84321	0.50241
2908.04922	0.90375	0.84626	0.51052

2906.00991	0.90639	0.84862	0.51627
2903.97061	0.90838	0.8504	0.52065
2901.9313	0.90999	0.85194	0.52422
2899.892	0.91153	0.8534	0.52723
2897.85269	0.91304	0.85462	0.53007
2895.81339	0.9143	0.85568	0.533
2893.77408	0.91537	0.85682	0.53603
2891.73478	0.91651	0.85798	0.53912
2889.69547	0.91772	0.85901	0.54236
2887.65617	0.91881	0.86002	0.54585
2885.61686	0.91977	0.86115	0.54954
2883.57756	0.92067	0.86221	0.55323
2881.53825	0.9214	0.863	0.55675
2879.49895	0.92182	0.86351	0.56001
2877.45964	0.92204	0.86394	0.56298
2875.42034	0.92216	0.86434	0.56576
2873.38103	0.9222	0.86472	0.56863
2871.34173	0.92225	0.86522	0.57189
2869.30242	0.92245	0.86582	0.57545
2867.26312	0.92267	0.86622	0.57874
2865.22381	0.92258	0.86625	0.58109
2863.18451	0.92189	0.86591	0.58209
2861.1452	0.9206	0.86514	0.58136
2859.1059	0.91878	0.86393	0.57856
2857.06659	0.91649	0.86243	0.57366
2855.02728	0.91402	0.86077	0.56712
2852.98798	0.91181	0.85917	0.56091
2850.94867	0.91066	0.85839	0.55996
2848.90937	0.91166	0.85955	0.56953
2846.87006	0.91511	0.86289	0.58891
2844.83076	0.91984	0.86724	0.61131
2842.79145	0.92418	0.87114	0.63079
2840.75215	0.92748	0.87412	0.64585
2838.71284	0.92992	0.87628	0.65747
2836.67354	0.93177	0.87781	0.66672
2834.63423	0.9332	0.87906	0.67431
2832.59493	0.93432	0.88024	0.68077
2830.55562	0.93528	0.88132	0.68655
2828.51632	0.93619	0.88218	0.69191
2826.47701	0.93698	0.88289	0.69699
2824.43771	0.9376	0.88365	0.7018

2822.3984	0.93813	0.88448	0.70626
2820.3591	0.93864	0.88517	0.71039
2818.31979	0.93911	0.88575	0.71433
2816.28049	0.93955	0.88639	0.71813
2814.24118	0.93997	0.88701	0.72173
2812.20188	0.94039	0.88749	0.72512
2810.16257	0.94081	0.88797	0.72838
2808.12326	0.94121	0.88847	0.73154
2806.08396	0.9416	0.88882	0.73457
2804.04465	0.94198	0.88913	0.73743
2802.00535	0.94231	0.8896	0.74016
2799.96604	0.94258	0.89015	0.7428
2797.92674	0.94282	0.89062	0.74534
2795.88743	0.94312	0.89107	0.74771
2793.84813	0.9434	0.89144	0.74998
2791.80882	0.94363	0.89156	0.75217
2789.76952	0.94386	0.89165	0.75424
2787.73021	0.94405	0.89198	0.75615
2785.69091	0.94426	0.89239	0.75791
2783.6516	0.9445	0.8927	0.75961
2781.6123	0.94468	0.89295	0.76134
2779.57299	0.94484	0.89325	0.76306
2777.53369	0.94509	0.89354	0.76469
2775.49438	0.94537	0.89371	0.76617
2773.45508	0.94555	0.89385	0.76759
2771.41577	0.94569	0.89405	0.769
2769.37647	0.94585	0.89428	0.77031
2767.33716	0.94603	0.89446	0.77158
2765.29786	0.94616	0.89463	0.77294
2763.25855	0.94631	0.89489	0.7743
2761.21925	0.9465	0.89516	0.77558
2759.17994	0.94666	0.89529	0.77686
2757.14063	0.94675	0.89532	0.77816
2755.10133	0.94681	0.89541	0.77943
2753.06202	0.94689	0.89555	0.78063
2751.02272	0.94705	0.89566	0.7818
2748.98341	0.94725	0.89574	0.78293
2746.94411	0.94742	0.8959	0.78406
2744.9048	0.94753	0.89618	0.78522
2742.8655	0.94764	0.89637	0.78639
2740.82619	0.94774	0.89644	0.78756

2738.78689	0.94779	0.89653	0.78865
2736.74758	0.94782	0.89661	0.78974
2734.70828	0.94782	0.8966	0.79095
2732.66897	0.94783	0.89658	0.7922
2730.62967	0.948	0.89661	0.79342
2728.59036	0.94826	0.89668	0.79474
2726.55106	0.94844	0.89688	0.79623
2724.51175	0.94857	0.89714	0.79774
2722.47245	0.94871	0.89734	0.79922
2720.43314	0.94883	0.89753	0.80078
2718.39384	0.94892	0.89759	0.80238
2716.35453	0.94897	0.89756	0.8039
2714.31523	0.94908	0.89765	0.80546
2712.27592	0.9492	0.89779	0.8072
2710.23662	0.94924	0.89789	0.80902
2708.19731	0.94933	0.898	0.81075
2706.158	0.94957	0.89811	0.8124
2704.1187	0.94985	0.89819	0.81405
2702.07939	0.95	0.89823	0.81569
2700.04009	0.95	0.89831	0.81737
2698.00078	0.95001	0.89846	0.81911
2695.96148	0.95011	0.89859	0.82077
2693.92217	0.95029	0.89856	0.82233
2691.88287	0.95045	0.89847	0.82387
2689.84356	0.95054	0.89847	0.82549
2687.80426	0.95062	0.89854	0.82719
2685.76495	0.95072	0.89864	0.8289
2683.72565	0.95085	0.89876	0.83062
2681.68634	0.95097	0.8989	0.83236
2679.64704	0.95101	0.89907	0.83414
2677.60773	0.95101	0.89923	0.83594
2675.56843	0.95106	0.89935	0.83769
2673.52912	0.95113	0.89943	0.83937
2671.48982	0.95117	0.89947	0.84111
2669.45051	0.95127	0.8995	0.84289
2667.41121	0.95145	0.89954	0.84461
2665.3719	0.95157	0.89954	0.84629
2663.3326	0.95154	0.89958	0.848
2661.29329	0.95149	0.89971	0.84974
2659.25399	0.95159	0.89987	0.85153
2657.21468	0.95176	0.89999	0.85326

2655.17537	0.95191	0.90012	0.85491
2653.13607	0.95203	0.90019	0.85656
2651.09676	0.95214	0.90021	0.85826
2649.05746	0.95228	0.90025	0.85999
2647.01815	0.95239	0.9004	0.86171
2644.97885	0.95249	0.90065	0.86332
2642.93954	0.95259	0.90085	0.86482
2640.90024	0.95266	0.90096	0.8663
2638.86093	0.95266	0.90104	0.86782
2636.82163	0.95261	0.90115	0.86935
2634.78232	0.95263	0.90124	0.87082
2632.74302	0.95277	0.90122	0.87225
2630.70371	0.95294	0.90124	0.8738
2628.66441	0.95302	0.90145	0.87537
2626.6251	0.95301	0.90168	0.87679
2624.5858	0.953	0.90178	0.87814
2622.54649	0.95309	0.90185	0.87952
2620.50719	0.95325	0.90192	0.88087
2618.46788	0.9534	0.902	0.88215
2616.42858	0.9535	0.90213	0.88342
2614.38927	0.95349	0.90225	0.88466
2612.34997	0.95341	0.90228	0.88583
2610.31066	0.95339	0.90225	0.88695
2608.27135	0.95347	0.90226	0.88804
2606.23205	0.95359	0.9024	0.88907
2604.19274	0.95366	0.90257	0.89006
2602.15344	0.95369	0.90266	0.89108
2600.11413	0.95373	0.90276	0.89211
2598.07483	0.95381	0.90295	0.89311
2596.03552	0.95393	0.9031	0.8941
2593.99622	0.95401	0.90307	0.89512
2591.95691	0.95405	0.90305	0.89608
2589.91761	0.95409	0.90311	0.89693
2587.8783	0.95405	0.90313	0.89772
2585.839	0.95404	0.90316	0.89858
2583.79969	0.95409	0.90326	0.89951
2581.76039	0.95413	0.90335	0.90038
2579.72108	0.95417	0.9034	0.90117
2577.68178	0.95416	0.90337	0.90195
2575.64247	0.95413	0.90334	0.90273
2573.60317	0.95416	0.90333	0.9035

2571.56386	0.95424	0.90334	0.90428
2569.52456	0.95432	0.90342	0.90507
2567.48525	0.95437	0.90354	0.90588
2565.44595	0.95438	0.90359	0.90669
2563.40664	0.95435	0.90357	0.90747
2561.36734	0.95426	0.90353	0.90825
2559.32803	0.95415	0.90352	0.90898
2557.28872	0.95413	0.90358	0.90968
2555.24942	0.95422	0.90365	0.91043
2553.21011	0.95426	0.90368	0.91123
2551.17081	0.95423	0.90368	0.91201
2549.1315	0.95424	0.90367	0.9127
2547.0922	0.95427	0.90366	0.91328
2545.05289	0.95427	0.9037	0.91389
2543.01359	0.95428	0.90378	0.91463
2540.97428	0.95429	0.90382	0.91547
2538.93498	0.95431	0.90385	0.9163
2536.89567	0.9543	0.90387	0.91709
2534.85637	0.95426	0.90387	0.91786
2532.81706	0.95424	0.90388	0.91858
2530.77776	0.95424	0.90389	0.91933
2528.73845	0.95422	0.90388	0.92018
2526.69915	0.95422	0.90391	0.92107
2524.65984	0.95424	0.904	0.92193
2522.62054	0.95424	0.90406	0.92267
2520.58123	0.95417	0.9041	0.92335
2518.54193	0.95406	0.90415	0.9241
2516.50262	0.95401	0.90417	0.92492
2514.46332	0.95406	0.9042	0.92571
2512.42401	0.95417	0.90424	0.92639
2510.38471	0.95421	0.90429	0.92696
2508.3454	0.95418	0.90437	0.92751
2506.30609	0.95419	0.9045	0.92811
2504.26679	0.95423	0.90463	0.92876
2502.22748	0.95424	0.90469	0.92948
2500.18818	0.9542	0.90471	0.93022
2498.14887	0.95416	0.90475	0.93091
2496.10957	0.95418	0.90475	0.93159
2494.07026	0.95418	0.90472	0.93234
2492.03096	0.95412	0.90479	0.93314
2489.99165	0.9541	0.90495	0.93395

2487.95235	0.95416	0.90503	0.9347
2485.91304	0.95421	0.90505	0.93538
2483.87374	0.95422	0.90511	0.93604
2481.83443	0.95419	0.90509	0.93675
2479.79513	0.95418	0.90506	0.93745
2477.75582	0.95421	0.90517	0.93813
2475.71652	0.95423	0.90535	0.93884
2473.67721	0.9542	0.90547	0.93955
2471.63791	0.95416	0.90556	0.94017
2469.5986	0.95415	0.90559	0.94076
2467.5593	0.95416	0.90566	0.94146
2465.51999	0.95421	0.90581	0.94221
2463.48069	0.9542	0.9059	0.94292
2461.44138	0.95411	0.90589	0.94359
2459.40208	0.95407	0.90591	0.94424
2457.36277	0.95409	0.90596	0.94488
2455.32346	0.9541	0.906	0.94551
2453.28416	0.95412	0.90603	0.94616
2451.24485	0.95414	0.90607	0.94684
2449.20555	0.95409	0.90615	0.94758
2447.16624	0.95403	0.9063	0.94834
2445.12694	0.95402	0.90638	0.94901
2443.08763	0.95401	0.90633	0.94952
2441.04833	0.95399	0.90627	0.94998
2439.00902	0.95401	0.90628	0.9505
2436.96972	0.95403	0.90633	0.95109
2434.93041	0.954	0.90642	0.95166
2432.89111	0.95394	0.90649	0.9521
2430.8518	0.95389	0.90654	0.95238
2428.8125	0.95387	0.90658	0.95259
2426.77319	0.95384	0.90662	0.9529
2424.73389	0.95377	0.90669	0.95338
2422.69458	0.95377	0.90678	0.95394
2420.65528	0.95385	0.90683	0.95454
2418.61597	0.95385	0.90685	0.95511
2416.57667	0.95375	0.90688	0.95553
2414.53736	0.95368	0.90698	0.95581
2412.49806	0.9537	0.9071	0.9561
2410.45875	0.95371	0.90712	0.95651
2408.41945	0.95366	0.90702	0.95703
2406.38014	0.95355	0.90697	0.95756

2404.34083	0.95343	0.90702	0.95805
2402.30153	0.95336	0.90706	0.95846
2400.26222	0.95333	0.90707	0.95881
2398.22292	0.95333	0.90712	0.95922
2396.18361	0.95332	0.90714	0.95969
2394.14431	0.95328	0.9071	0.96011
2392.105	0.95319	0.90707	0.96039
2390.0657	0.95304	0.90711	0.96058
2388.02639	0.9528	0.9072	0.96067
2385.98709	0.95247	0.90731	0.96068
2383.94778	0.95218	0.90741	0.96059
2381.90848	0.95206	0.90755	0.96036
2379.86917	0.95212	0.90783	0.96
2377.82987	0.95229	0.90817	0.95965
2375.79056	0.95254	0.90846	0.95937
2373.75126	0.95267	0.90876	0.95907
2371.71195	0.95264	0.90918	0.95862
2369.67265	0.95278	0.90955	0.95809
2367.63334	0.95309	0.90967	0.95758
2365.59404	0.95324	0.90957	0.9571
2363.55473	0.95315	0.90926	0.95663
2361.51543	0.95276	0.90869	0.95623
2359.47612	0.95276	0.90792	0.95615
2357.43681	0.95368	0.90689	0.95647
2355.39751	0.95439	0.90546	0.95673
2353.3582	0.9531	0.90405	0.9565
2351.3189	0.94966	0.90375	0.95612
2349.27959	0.94755	0.90539	0.95663
2347.24029	0.94955	0.90797	0.958
2345.20098	0.95276	0.90937	0.95888
2343.16168	0.95341	0.90897	0.95864
2341.12237	0.9523	0.90807	0.95803
2339.08307	0.95122	0.90746	0.95758
2337.04376	0.95077	0.90712	0.95735
2335.00446	0.951	0.90697	0.9574
2332.96515	0.95148	0.90684	0.95763
2330.92585	0.95178	0.90645	0.95775
2328.88654	0.95176	0.90592	0.9577
2326.84724	0.95147	0.90567	0.95756
2324.80793	0.95129	0.9055	0.95744
2322.76863	0.95149	0.90507	0.95746

2320.72932	0.95171	0.90451	0.95768
2318.69002	0.95148	0.90428	0.95796
2316.65071	0.95114	0.9044	0.95823
2314.61141	0.95109	0.90456	0.95847
2312.5721	0.95113	0.90451	0.95859
2310.5328	0.95103	0.90441	0.95867
2308.49349	0.95091	0.90447	0.95884
2306.45418	0.95082	0.90466	0.95903
2304.41488	0.95073	0.90488	0.95912
2302.37557	0.95072	0.90512	0.95912
2300.33627	0.9508	0.90539	0.95912
2298.29696	0.95086	0.90559	0.95913
2296.25766	0.9509	0.9057	0.9591
2294.21835	0.95087	0.90581	0.95905
2292.17905	0.95076	0.90595	0.95898
2290.13974	0.95062	0.90606	0.95889
2288.10044	0.95052	0.9061	0.95876
2286.06113	0.95043	0.90615	0.95863
2284.02183	0.95037	0.90621	0.95851
2281.98252	0.95034	0.90618	0.95839
2279.94322	0.95032	0.9061	0.95823
2277.90391	0.9503	0.9061	0.95804
2275.86461	0.95025	0.90616	0.95781
2273.8253	0.95018	0.90615	0.95753
2271.786	0.95009	0.90609	0.95718
2269.74669	0.94998	0.90602	0.95682
2267.70739	0.94989	0.90597	0.95654
2265.66808	0.94986	0.90597	0.9563
2263.62878	0.94982	0.90594	0.956
2261.58947	0.94977	0.90592	0.95566
2259.55017	0.94978	0.90595	0.95533
2257.51086	0.94974	0.90593	0.95502
2255.47155	0.94964	0.9058	0.95471
2253.43225	0.94955	0.90563	0.9544
2251.39294	0.94952	0.90556	0.95405
2249.35364	0.94951	0.90561	0.95363
2247.31433	0.94941	0.9056	0.95317
2245.27503	0.94941	0.90558	0.95274
2243.23572	0.9494	0.90558	0.9523
2241.19642	0.94931	0.90551	0.95185
2239.15711	0.94919	0.90541	0.95144

2237.11781	0.94909	0.90541	0.95099
2235.0785	0.949	0.90545	0.95049
2233.0392	0.9489	0.9054	0.94994
2230.99989	0.94881	0.90526	0.9494
2228.96059	0.94877	0.90514	0.94888
2226.92128	0.94877	0.90506	0.94837
2224.88198	0.94878	0.90497	0.94788
2222.84267	0.94878	0.9049	0.94739
2220.80337	0.94871	0.90489	0.94685
2218.76406	0.94859	0.90482	0.94622
2216.72476	0.94848	0.90472	0.94559
2214.68545	0.94837	0.90464	0.94504
2212.64615	0.9483	0.90456	0.94455
2210.60684	0.94831	0.90447	0.94405
2208.56754	0.94832	0.90442	0.94351
2206.52823	0.94823	0.90443	0.94294
2204.48892	0.94812	0.90444	0.94237
2202.44962	0.94805	0.90442	0.94182
2200.41031	0.94798	0.90436	0.9413
2198.37101	0.94791	0.90431	0.94077
2196.3317	0.94787	0.90425	0.94025
2194.2924	0.94786	0.90414	0.93976
2192.25309	0.9478	0.90401	0.93929
2190.21379	0.94775	0.90388	0.93877
2188.17448	0.94768	0.90377	0.93819
2186.13518	0.94759	0.90365	0.93757
2184.09587	0.94754	0.90356	0.93699
2182.05657	0.94753	0.9035	0.93644
2180.01726	0.94751	0.90349	0.93589
2177.97796	0.94746	0.90351	0.93537
2175.93865	0.94734	0.90353	0.93486
2173.89935	0.94721	0.90347	0.93435
2171.86004	0.94709	0.90333	0.9339
2169.82074	0.94701	0.90324	0.93355
2167.78143	0.94696	0.90325	0.93324
2165.74213	0.94694	0.90327	0.93295
2163.70282	0.94698	0.9033	0.93276
2161.66352	0.94702	0.90332	0.93266
2159.62421	0.94696	0.90325	0.93259
2157.58491	0.94692	0.90314	0.93252
2155.5456	0.94692	0.90306	0.93248

2153.50629	0.94682	0.903	0.93246
2151.46699	0.94664	0.90293	0.9325
2149.42768	0.94654	0.90289	0.93262
2147.38838	0.94654	0.9029	0.93272
2145.34907	0.94656	0.90291	0.93275
2143.30977	0.94652	0.9029	0.93277
2141.27046	0.94642	0.90288	0.93284
2139.23116	0.94634	0.90281	0.93301
2137.19185	0.94631	0.90274	0.9332
2135.15255	0.94634	0.90266	0.93329
2133.11324	0.94632	0.90254	0.93334
2131.07394	0.94624	0.90243	0.93343
2129.03463	0.94619	0.9024	0.93363
2126.99533	0.94617	0.90245	0.93395
2124.95602	0.94616	0.90248	0.93428
2122.91672	0.94618	0.90243	0.93461
2120.87741	0.94626	0.90236	0.93497
2118.83811	0.94628	0.90238	0.93535
2116.7988	0.94624	0.9024	0.93572
2114.7595	0.94618	0.90237	0.93607
2112.72019	0.94615	0.90235	0.93647
2110.68089	0.94611	0.90232	0.93697
2108.64158	0.94609	0.90228	0.93753
2106.60227	0.94612	0.90228	0.93804
2104.56297	0.94615	0.90231	0.93845
2102.52366	0.94611	0.90234	0.93879
2100.48436	0.94608	0.90235	0.93916
2098.44505	0.9461	0.90238	0.93966
2096.40575	0.9461	0.90235	0.94027
2094.36644	0.94608	0.90229	0.94088
2092.32714	0.94612	0.90228	0.94143
2090.28783	0.94619	0.90231	0.9419
2088.24853	0.94617	0.90228	0.94235
2086.20922	0.94615	0.90224	0.94286
2084.16992	0.94617	0.90226	0.94343
2082.13061	0.94616	0.90231	0.94398
2080.09131	0.94614	0.90236	0.94449
2078.052	0.94615	0.90244	0.94494
2076.0127	0.94619	0.90256	0.94535
2073.97339	0.94627	0.90268	0.94578
2071.93409	0.9463	0.90275	0.94624

2069.89478	0.94627	0.90276	0.94675
2067.85548	0.94632	0.90278	0.94732
2065.81617	0.94657	0.90271	0.94784
2063.77687	0.94661	0.90261	0.94827
2061.73756	0.94651	0.9027	0.94867
2059.69826	0.94658	0.90289	0.94904
2057.65895	0.94666	0.90303	0.94943
2055.61964	0.94666	0.90312	0.94994
2053.58034	0.94661	0.90315	0.9505
2051.54103	0.94658	0.90316	0.95101
2049.50173	0.94665	0.90324	0.95153
2047.46242	0.94674	0.90338	0.95211
2045.42312	0.94677	0.90351	0.95275
2043.38381	0.94692	0.90354	0.95338
2041.34451	0.94715	0.90343	0.954
2039.3052	0.94718	0.90338	0.95469
2037.2659	0.94721	0.90354	0.95545
2035.22659	0.94736	0.90378	0.95622
2033.18729	0.94749	0.90401	0.95703
2031.14798	0.94757	0.90415	0.95793
2029.10868	0.94759	0.90423	0.95889
2027.06937	0.94763	0.90431	0.95988
2025.03007	0.94772	0.90438	0.96093
2022.99076	0.94777	0.90447	0.962
2020.95146	0.94781	0.90466	0.96307
2018.91215	0.94813	0.90476	0.96413
2016.87285	0.94847	0.90459	0.96511
2014.83354	0.94837	0.90458	0.96607
2012.79424	0.94838	0.90496	0.96701
2010.75493	0.94856	0.90534	0.96794
2008.71563	0.94873	0.90549	0.96885
2006.67632	0.94888	0.90549	0.96971
2004.63701	0.94896	0.90552	0.97051
2002.59771	0.94897	0.90565	0.97125
2000.5584	0.94905	0.9058	0.97194
1998.5191	0.94917	0.90587	0.97266
1996.47979	0.94908	0.90605	0.97355
1994.44049	0.94929	0.9063	0.97455
1992.40118	0.94989	0.90622	0.97538
1990.36188	0.94989	0.90591	0.97596
1988.32257	0.94974	0.9059	0.97644

1986.28327	0.94981	0.90621	0.97689
1984.24396	0.9499	0.90665	0.97738
1982.20466	0.9501	0.90703	0.978
1980.16535	0.95027	0.9072	0.97869
1978.12605	0.95043	0.9072	0.97938
1976.08674	0.95057	0.90722	0.98005
1974.04744	0.95065	0.9074	0.98067
1972.00813	0.9506	0.90772	0.98134
1969.96883	0.95078	0.908	0.98217
1967.92952	0.95142	0.90791	0.98297
1965.89022	0.95149	0.90764	0.9836
1963.85091	0.95116	0.90775	0.9842
1961.81161	0.95127	0.9082	0.98485
1959.7723	0.95142	0.90852	0.98555
1957.733	0.9515	0.90865	0.98624
1955.69369	0.95169	0.9087	0.9869
1953.65438	0.95177	0.90875	0.98762
1951.61508	0.95173	0.90889	0.98849
1949.57577	0.95174	0.90915	0.98937
1947.53647	0.95176	0.90946	0.99028
1945.49716	0.952	0.90966	0.99123
1943.45786	0.95284	0.90943	0.99197
1941.41855	0.95293	0.90895	0.99232
1939.37925	0.95231	0.90907	0.99257
1937.33994	0.95237	0.90963	0.99295
1935.30064	0.95263	0.90997	0.99345
1933.26133	0.95276	0.91013	0.99393
1931.22203	0.95285	0.91031	0.99429
1929.18272	0.95291	0.91055	0.99465
1927.14342	0.95286	0.9109	0.99519
1925.10411	0.95324	0.91116	0.99587
1923.06481	0.95371	0.91103	0.99643
1921.0255	0.95342	0.91098	0.99682
1918.9862	0.95391	0.91103	0.99691
1916.94689	0.95405	0.91073	0.99663
1914.90759	0.95332	0.91084	0.99646
1912.86828	0.95343	0.91156	0.99663
1910.82898	0.95409	0.91193	0.99692
1908.78967	0.95433	0.91169	0.99711
1906.75037	0.95405	0.91155	0.99718
1904.71106	0.95396	0.91183	0.99721

1902.67175	0.95404	0.91216	0.99731
1900.63245	0.95401	0.91236	0.99755
1898.59314	0.95406	0.91252	0.99792
1896.55384	0.95442	0.91252	0.99833
1894.51453	0.95444	0.91243	0.99869
1892.47523	0.95428	0.91264	0.9991
1890.43592	0.955	0.91278	0.99932
1888.39662	0.9551	0.91252	0.99925
1886.35731	0.95459	0.91252	0.99921
1884.31801	0.95466	0.91289	0.99929
1882.2787	0.95479	0.91316	0.99935
1880.2394	0.95484	0.91324	0.99933
1878.20009	0.95487	0.91328	0.99919
1876.16079	0.95471	0.91342	0.99899
1874.12148	0.95429	0.91388	0.99906
1872.08218	0.95443	0.91451	0.9996
1870.04287	0.95596	0.91441	1
1868.00357	0.9567	0.91324	1.00028
1865.96426	0.95552	0.91254	0.99996
1863.92496	0.95475	0.91305	0.99975
1861.88565	0.95497	0.91377	0.99983
1859.84635	0.95525	0.91408	1.00004
1857.80704	0.95526	0.91417	1.00024
1855.76773	0.95514	0.9143	1.00037
1853.72843	0.95501	0.9145	1.00048
1851.68912	0.95485	0.91472	1.00071
1849.64982	0.95472	0.91501	1.0012
1847.61051	0.95488	0.91533	1.0019
1845.57121	0.95616	0.91506	1.00213
1843.5319	0.95675	0.91383	1.0014
1841.4926	0.95526	0.91322	1.00047
1839.45329	0.95468	0.91383	0.99998
1837.41399	0.95508	0.91443	0.9997
1835.37468	0.95478	0.91477	0.99956
1833.33538	0.95451	0.91539	0.99972
1831.29607	0.95568	0.91556	0.99979
1829.25677	0.95617	0.91464	0.99936
1827.21746	0.95547	0.91379	0.99857
1825.17816	0.95559	0.9135	0.99752
1823.13885	0.95522	0.91343	0.99628
1821.09955	0.95466	0.91382	0.9953

1819.06024	0.95482	0.91432	0.99451
1817.02094	0.9548	0.91448	0.99367
1814.98163	0.95438	0.91458	0.99285
1812.94233	0.9547	0.91463	0.99201
1810.90302	0.95536	0.91417	0.99075
1808.86372	0.95504	0.91354	0.98895
1806.82441	0.95424	0.91357	0.98709
1804.7851	0.95391	0.91413	0.98534
1802.7458	0.95448	0.91431	0.98319
1800.70649	0.95504	0.91365	0.97998
1798.66719	0.95424	0.91297	0.97649
1796.62788	0.95318	0.91329	0.97425
1794.58858	0.95392	0.91381	0.97331
1792.54927	0.95563	0.9128	0.97207
1790.50997	0.95484	0.9111	0.96981
1788.47066	0.95303	0.91108	0.9673
1786.43136	0.95297	0.91195	0.96453
1784.39205	0.95326	0.91205	0.9609
1782.35275	0.95334	0.91144	0.95603
1780.31344	0.95328	0.91068	0.94972
1778.27414	0.95208	0.91046	0.94253
1776.23483	0.95125	0.9112	0.93501
1774.19553	0.95266	0.91152	0.92491
1772.15622	0.95417	0.90967	0.90893
1770.11692	0.95297	0.90701	0.88771
1768.07761	0.9512	0.90585	0.86342
1766.03831	0.94968	0.90606	0.83656
1763.999	0.9495	0.90616	0.8054
1761.9597	0.94984	0.90465	0.76636
1759.92039	0.94829	0.90203	0.72264
1757.88109	0.94665	0.89948	0.67894
1755.84178	0.94432	0.89696	0.63687
1753.80247	0.94163	0.89472	0.59982
1751.76317	0.94092	0.89143	0.56539
1749.72386	0.93982	0.88576	0.53143
1747.68456	0.93699	0.88013	0.50325
1745.64525	0.93442	0.87671	0.48345
1743.60595	0.93315	0.87458	0.4696
1741.56664	0.93291	0.87227	0.45951
1739.52734	0.93183	0.86961	0.45273
1737.48803	0.92978	0.86783	0.44983

1735.44873	0.93137	0.86562	0.44992
1733.40942	0.93312	0.86057	0.45172
1731.37012	0.93095	0.85613	0.45549
1729.33081	0.92936	0.85496	0.46146
1727.29151	0.92857	0.85515	0.46938
1725.2522	0.9281	0.85513	0.47907
1723.2129	0.92693	0.85497	0.49046
1721.17359	0.92558	0.85543	0.50317
1719.13429	0.92723	0.85524	0.51838
1717.09498	0.92927	0.8524	0.53726
1715.05568	0.92771	0.8495	0.55653
1713.01637	0.92483	0.84962	0.57346
1710.97707	0.92272	0.85148	0.58914
1708.93776	0.92191	0.85315	0.60463
1706.89846	0.92171	0.85363	0.61974
1704.85915	0.9195	0.85331	0.63317
1702.81984	0.91707	0.85334	0.64313
1700.78054	0.91724	0.85244	0.64947
1698.74123	0.91544	0.84965	0.65217
1696.70193	0.91355	0.84685	0.65013
1694.66262	0.9104	0.84493	0.64439
1692.62332	0.9056	0.84449	0.63786
1690.58401	0.9024	0.84449	0.63077
1688.54471	0.89882	0.84384	0.62277
1686.5054	0.89675	0.84191	0.61294
1684.4661	0.89631	0.83614	0.5976
1682.42679	0.8905	0.8287	0.57954
1680.38749	0.88339	0.82535	0.56551
1678.34818	0.87909	0.82444	0.55393
1676.30888	0.87649	0.82204	0.54092
1674.26957	0.87223	0.81764	0.5265
1672.23027	0.86764	0.81313	0.51295
1670.19096	0.86526	0.80777	0.49853
1668.15166	0.86041	0.80179	0.48323
1666.11235	0.85446	0.79828	0.47084
1664.07305	0.85159	0.79537	0.45961
1662.03374	0.84843	0.79017	0.44705
1659.99444	0.84241	0.78509	0.43603
1657.95513	0.83658	0.78289	0.42895
1655.91583	0.83483	0.78151	0.42338
1653.87652	0.8367	0.77605	0.41438

1651.83721	0.83233	0.76808	0.4035
1649.79791	0.82678	0.76553	0.39738
1647.7586	0.82783	0.76461	0.39263
1645.7193	0.82807	0.76113	0.38602
1643.67999	0.82451	0.75887	0.3807
1641.64069	0.8217	0.75925	0.37781
1639.60138	0.82071	0.76027	0.37601
1637.56208	0.82284	0.75972	0.37373
1635.52277	0.82581	0.75653	0.36992
1633.48347	0.82426	0.7542	0.36658
1631.44416	0.82259	0.75521	0.36543
1629.40486	0.82382	0.75713	0.36526
1627.36555	0.82545	0.75811	0.36503
1625.32625	0.82738	0.75855	0.36481
1623.28694	0.82988	0.75894	0.36476
1621.24764	0.8301	0.76012	0.36542
1619.20833	0.83148	0.76231	0.36708
1617.16903	0.83642	0.76369	0.36908
1615.12972	0.83907	0.76407	0.37124
1613.09042	0.83947	0.76565	0.37419
1611.05111	0.84151	0.76814	0.37798
1609.01181	0.84444	0.77008	0.38222
1606.9725	0.84672	0.77149	0.38677
1604.93319	0.84866	0.77299	0.3918
1602.89389	0.85084	0.7746	0.39754
1600.85458	0.85285	0.77628	0.40413
1598.81528	0.85469	0.77818	0.41166
1596.77597	0.85688	0.78022	0.42035
1594.73667	0.85923	0.78231	0.43029
1592.69736	0.86126	0.78463	0.4413
1590.65806	0.86321	0.78728	0.45317
1588.61875	0.8652	0.79015	0.46588
1586.57945	0.86713	0.79313	0.47939
1584.54014	0.86889	0.79619	0.49373
1582.50084	0.86985	0.79942	0.50871
1580.46153	0.87009	0.803	0.52381
1578.42223	0.87254	0.80655	0.53941
1576.38292	0.87697	0.80925	0.55657
1574.34362	0.87742	0.81196	0.57303
1572.30431	0.8776	0.81617	0.58692
1570.26501	0.88192	0.82068	0.60063

1568.2257	0.88492	0.82428	0.61415
1566.1864	0.88526	0.82805	0.6253
1564.14709	0.88473	0.83286	0.63476
1562.10779	0.88593	0.83812	0.64429
1560.06848	0.89331	0.84168	0.65575
1558.02918	0.89823	0.8421	0.66797
1555.98987	0.89598	0.84346	0.67604
1553.95056	0.89516	0.84718	0.68159
1551.91126	0.89625	0.85109	0.68725
1549.87195	0.8973	0.85449	0.69336
1547.83265	0.89705	0.85786	0.69978
1545.79334	0.89732	0.86129	0.70689
1543.75404	0.89936	0.8642	0.7152
1541.71473	0.90408	0.86556	0.72376
1539.67543	0.90828	0.86541	0.73059
1537.63612	0.90592	0.86709	0.73527
1535.59682	0.90619	0.87108	0.7399
1533.55751	0.91096	0.87444	0.74555
1531.51821	0.91257	0.87662	0.75137
1529.4789	0.913	0.87926	0.75694
1527.4396	0.91521	0.88203	0.76287
1525.40029	0.91681	0.88411	0.76889
1523.36099	0.9191	0.88555	0.77406
1521.32168	0.92175	0.88595	0.7777
1519.28238	0.92178	0.88599	0.77996
1517.24307	0.92258	0.88655	0.78195
1515.20377	0.92273	0.88758	0.78461
1513.16446	0.92152	0.8896	0.78849
1511.12516	0.92164	0.89235	0.79392
1509.08585	0.92611	0.89407	0.80023
1507.04655	0.93261	0.89283	0.80479
1505.00724	0.93076	0.89117	0.80596
1502.96793	0.92618	0.89284	0.80657
1500.92863	0.92621	0.89577	0.80836
1498.88932	0.92899	0.89693	0.81002
1496.85002	0.93036	0.89594	0.80972
1494.81071	0.92818	0.89524	0.80781
1492.77141	0.92693	0.89598	0.80564
1490.7321	0.92937	0.89587	0.80203
1488.6928	0.93065	0.89364	0.79521
1486.65349	0.92875	0.89179	0.78645

1484.61419	0.92661	0.89147	0.77761
1482.57488	0.92571	0.8912	0.76823
1480.53558	0.92439	0.89018	0.75763
1478.49627	0.92234	0.88892	0.74616
1476.45697	0.92115	0.88717	0.7329
1474.41766	0.92098	0.8834	0.71474
1472.37836	0.91924	0.87746	0.6909
1470.33905	0.9137	0.87301	0.66886
1468.29975	0.90976	0.87174	0.65405
1466.26044	0.9099	0.87069	0.64344
1464.22114	0.90908	0.86835	0.63438
1462.18183	0.90562	0.8671	0.6278
1460.14253	0.90539	0.86723	0.62283
1458.10322	0.90919	0.86487	0.61496
1456.06392	0.90926	0.85957	0.60319
1454.02461	0.90535	0.85719	0.59306
1451.9853	0.9036	0.85796	0.58559
1449.946	0.90423	0.85844	0.57798
1447.90669	0.90494	0.85733	0.56858
1445.86739	0.90406	0.8557	0.55795
1443.82808	0.90264	0.85471	0.54765
1441.78878	0.90124	0.85426	0.53847
1439.74947	0.90059	0.8538	0.53023
1437.71017	0.90194	0.85212	0.52111
1435.67086	0.90155	0.84924	0.51066
1433.63156	0.89892	0.84775	0.50215
1431.59225	0.89836	0.84775	0.49615
1429.55295	0.89848	0.84749	0.49127
1427.51364	0.89743	0.84709	0.48778
1425.47434	0.89684	0.84708	0.48603
1423.43503	0.89632	0.84727	0.48569
1421.39573	0.89667	0.84741	0.48662
1419.35642	0.89889	0.84663	0.48848
1417.31712	0.89898	0.84537	0.49097
1415.27781	0.89756	0.84557	0.49443
1413.23851	0.89773	0.84673	0.4991
1411.1992	0.89876	0.84752	0.50469
1409.1599	0.89941	0.84798	0.51071
1407.12059	0.90054	0.84831	0.51691
1405.08129	0.90198	0.84828	0.5232
1403.04198	0.90217	0.84835	0.52931

1401.00267	0.9029	0.8489	0.53498
1398.96337	0.90493	0.84936	0.53982
1396.92406	0.90686	0.84968	0.54263
1394.88476	0.90858	0.85034	0.54214
1392.84545	0.90864	0.85168	0.53853
1390.80615	0.9084	0.85349	0.53218
1388.76684	0.90982	0.85446	0.52122
1386.72754	0.91069	0.85414	0.50544
1384.68823	0.91001	0.85458	0.49123
1382.64893	0.91025	0.85697	0.48372
1380.60962	0.91158	0.86005	0.48101
1378.57032	0.9128	0.8626	0.47952
1376.53101	0.91442	0.86442	0.4786
1374.49171	0.91663	0.86571	0.47944
1372.4524	0.91777	0.86708	0.48304
1370.4131	0.91869	0.86898	0.49002
1368.37379	0.92022	0.87118	0.50056
1366.33449	0.92169	0.87343	0.51418
1364.29518	0.92414	0.87543	0.53047
1362.25588	0.92661	0.8769	0.54857
1360.21657	0.92736	0.87853	0.56575
1358.17727	0.92785	0.88074	0.58022
1356.13796	0.92907	0.88295	0.5924
1354.09865	0.9303	0.88476	0.60257
1352.05935	0.93127	0.8863	0.61036
1350.02004	0.93227	0.88766	0.61539
1347.98074	0.9331	0.88879	0.61741
1345.94143	0.9335	0.88976	0.61651
1343.90213	0.93367	0.89056	0.61326
1341.86282	0.93456	0.89093	0.60812
1339.82352	0.93609	0.89075	0.60102
1337.78421	0.93653	0.89067	0.59291
1335.74491	0.93606	0.89121	0.58579
1333.7056	0.93581	0.89188	0.58044
1331.6663	0.93586	0.89209	0.57646
1329.62699	0.93585	0.89179	0.57323
1327.58769	0.93566	0.89118	0.57017
1325.54838	0.93533	0.89046	0.56708
1323.50908	0.93498	0.88982	0.56435
1321.46977	0.93503	0.8893	0.56262
1319.43047	0.93557	0.88887	0.56237

1317.39116	0.93606	0.88872	0.56425
1315.35186	0.93674	0.88908	0.56882
1313.31255	0.93778	0.88968	0.57563
1311.27325	0.93857	0.89033	0.58348
1309.23394	0.93931	0.89108	0.59142
1307.19464	0.94023	0.89186	0.59912
1305.15533	0.94105	0.89258	0.60643
1303.11602	0.94173	0.89317	0.61326
1301.07672	0.94234	0.89368	0.61961
1299.03741	0.94292	0.89416	0.62533
1296.99811	0.94335	0.89457	0.62998
1294.9588	0.94345	0.89483	0.63295
1292.9195	0.94324	0.89497	0.63375
1290.88019	0.94288	0.89491	0.63197
1288.84089	0.94255	0.89464	0.62723
1286.80158	0.94206	0.8943	0.61948
1284.76228	0.94131	0.89398	0.60953
1282.72297	0.94052	0.89363	0.59858
1280.68367	0.93986	0.89324	0.58757
1278.64436	0.9395	0.89285	0.57686
1276.60506	0.93944	0.89252	0.56637
1274.56575	0.93961	0.89226	0.55611
1272.52645	0.93992	0.89197	0.54614
1270.48714	0.93993	0.89157	0.53642
1268.44784	0.93944	0.89112	0.52691
1266.40853	0.93875	0.8907	0.51763
1264.36923	0.93803	0.89033	0.50879
1262.32992	0.93756	0.89007	0.50064
1260.29062	0.93765	0.89007	0.49333
1258.25131	0.93816	0.89042	0.48694
1256.21201	0.93899	0.89098	0.48132
1254.1727	0.93985	0.89151	0.47637
1252.13339	0.94052	0.89201	0.47235
1250.09409	0.94111	0.89257	0.46957
1248.05478	0.94172	0.89324	0.46814
1246.01548	0.9424	0.89407	0.46821
1243.97617	0.94329	0.89509	0.47
1241.93687	0.94442	0.89635	0.47365
1239.89756	0.94572	0.89781	0.47933
1237.85826	0.94718	0.89941	0.48715
1235.81895	0.94883	0.90111	0.497

1233.77965	0.95055	0.90289	0.50873
1231.74034	0.9522	0.90467	0.52216
1229.70104	0.95363	0.9063	0.53691
1227.66173	0.95479	0.90773	0.55254
1225.62243	0.95572	0.90903	0.56874
1223.58312	0.95649	0.91029	0.58531
1221.54382	0.95739	0.91185	0.60227
1219.50451	0.95865	0.91382	0.61967
1217.46521	0.95987	0.91566	0.63736
1215.4259	0.96054	0.9168	0.65506
1213.3866	0.96085	0.91741	0.67235
1211.34729	0.96116	0.91792	0.68865
1209.30799	0.9615	0.91839	0.70346
1207.26868	0.96185	0.91873	0.7166
1205.22938	0.96217	0.91887	0.72814
1203.19007	0.96233	0.91885	0.73824
1201.15076	0.96228	0.91881	0.74705
1199.11146	0.96198	0.91877	0.75426
1197.07215	0.96139	0.91875	0.75879
1195.03285	0.96068	0.91884	0.75927
1192.99354	0.95999	0.91912	0.75474
1190.95424	0.9593	0.91954	0.74485
1188.91493	0.95858	0.92003	0.73044
1186.87563	0.95785	0.9205	0.71346
1184.83632	0.9571	0.9209	0.69554
1182.79702	0.95627	0.9212	0.67684
1180.75771	0.95526	0.92138	0.65714
1178.71841	0.95408	0.92146	0.63681
1176.6791	0.95281	0.92135	0.616
1174.6398	0.95155	0.92093	0.59469
1172.60049	0.95033	0.92022	0.5734
1170.56119	0.94913	0.91927	0.55296
1168.52188	0.94788	0.91806	0.53393
1166.48258	0.94656	0.91651	0.51697
1164.44327	0.9453	0.91469	0.50292
1162.40397	0.94425	0.91284	0.4921
1160.36466	0.94348	0.91119	0.48408
1158.32536	0.94299	0.90978	0.47814
1156.28605	0.94278	0.9085	0.47375
1154.24675	0.9428	0.90746	0.4705
1152.20744	0.94297	0.90676	0.46807

1150.16813	0.94322	0.90646	0.46644
1148.12883	0.9435	0.90664	0.46583
1146.08952	0.94379	0.90724	0.46638
1144.05022	0.94404	0.90804	0.46814
1142.01091	0.9442	0.90877	0.4709
1139.97161	0.94415	0.90918	0.4739
1137.9323	0.94381	0.90906	0.47611
1135.893	0.94315	0.90829	0.47675
1133.85369	0.94216	0.90689	0.47551
1131.81439	0.94071	0.90494	0.47216
1129.77508	0.93893	0.90263	0.46655
1127.73578	0.93728	0.90018	0.45916
1125.69647	0.9359	0.89762	0.45072
1123.65717	0.93472	0.8949	0.44155
1121.61786	0.93365	0.89201	0.43163
1119.57856	0.93262	0.88894	0.421
1117.53925	0.93158	0.88561	0.40971
1115.49995	0.93065	0.88213	0.39819
1113.46064	0.92995	0.87873	0.38734
1111.42134	0.92947	0.87554	0.37773
1109.38203	0.92919	0.87257	0.36945
1107.34273	0.92889	0.86988	0.3624
1105.30342	0.92843	0.86761	0.35649
1103.26411	0.9279	0.86585	0.35176
1101.22481	0.92738	0.86474	0.34834
1099.1855	0.92685	0.86433	0.3463
1097.1462	0.92625	0.86435	0.34563
1095.10689	0.92564	0.86448	0.34623
1093.06759	0.92514	0.86434	0.34773
1091.02828	0.9247	0.86345	0.3496
1088.98898	0.92423	0.8616	0.35128
1086.94967	0.92372	0.85894	0.35219
1084.91037	0.92312	0.85584	0.35174
1082.87106	0.92241	0.85288	0.34965
1080.83176	0.92174	0.85076	0.34601
1078.79245	0.92112	0.85008	0.34127
1076.75315	0.92057	0.85098	0.33622
1074.71384	0.92021	0.85317	0.33173
1072.67454	0.92008	0.85615	0.3281
1070.63523	0.92013	0.85933	0.32527
1068.59593	0.92023	0.86224	0.3231

1066.55662	0.92025	0.86451	0.32144
1064.51732	0.92012	0.86584	0.32025
1062.47801	0.91993	0.86618	0.31963
1060.43871	0.9198	0.8658	0.31994
1058.3994	0.91975	0.86508	0.32146
1056.3601	0.91972	0.86433	0.32396
1054.32079	0.91968	0.86377	0.32693
1052.28148	0.91967	0.86338	0.32997
1050.24218	0.91977	0.86304	0.33279
1048.20287	0.91996	0.86265	0.33525
1046.16357	0.92027	0.86195	0.33715
1044.12426	0.92056	0.86081	0.33797
1042.08496	0.92068	0.85933	0.33718
1040.04565	0.92059	0.8577	0.33479
1038.00635	0.92026	0.85629	0.33156
1035.96704	0.91978	0.85557	0.32873
1033.92774	0.91943	0.85602	0.32731
1031.88843	0.91957	0.85791	0.32761
1029.84913	0.92025	0.86128	0.3296
1027.80982	0.92117	0.86579	0.33334
1025.77052	0.92217	0.87096	0.33877
1023.73121	0.92335	0.87645	0.34549
1021.69191	0.92484	0.88206	0.35303
1019.6526	0.92673	0.88761	0.36126
1017.6133	0.92912	0.89315	0.37019
1015.57399	0.93204	0.89876	0.37973
1013.53469	0.93525	0.90437	0.38968
1011.49538	0.9384	0.90992	0.39976
1009.45608	0.94135	0.91548	0.41007
1007.41677	0.94422	0.92113	0.42128
1005.37747	0.94702	0.92679	0.43413
1003.33816	0.94982	0.93214	0.44914
1001.29885	0.95263	0.9368	0.46647
999.25955	0.95536	0.94046	0.48541
997.22024	0.958	0.94309	0.50456
995.18094	0.9606	0.94499	0.5232
993.14163	0.96321	0.94655	0.54186
991.10233	0.96586	0.94829	0.5616
989.06302	0.96844	0.95066	0.58314
987.02372	0.9709	0.95384	0.60675
984.98441	0.97326	0.95773	0.63208

982.94511	0.97557	0.962	0.65802
980.9058	0.97776	0.96624	0.68274
978.8665	0.97972	0.97009	0.70397
976.82719	0.98143	0.97342	0.71961
974.78789	0.98294	0.97609	0.72808
972.74858	0.98422	0.97806	0.72876
970.70928	0.98526	0.97947	0.72231
968.66997	0.98615	0.98047	0.71068
966.63067	0.98703	0.98127	0.69643
964.59136	0.98799	0.98208	0.68206
962.55206	0.98891	0.98296	0.66953
960.51275	0.98971	0.98398	0.66037
958.47345	0.99051	0.98509	0.65566
956.43414	0.99142	0.98619	0.65623
954.39484	0.99241	0.98723	0.66297
952.35553	0.99335	0.98816	0.67641
950.31622	0.99415	0.98901	0.69623
948.27692	0.99479	0.98985	0.72116
946.23761	0.9954	0.99066	0.74921
944.19831	0.99613	0.9914	0.77837
942.159	0.99685	0.99199	0.80698
940.1197	0.99738	0.9924	0.83398
938.08039	0.99778	0.99275	0.85875
936.04109	0.99818	0.9931	0.88112
934.00178	0.99865	0.99335	0.90119
931.96248	0.99909	0.99345	0.91867
929.92317	0.99943	0.99344	0.93268
927.88387	0.9997	0.99329	0.94263
925.84456	0.99992	0.99297	0.94859
923.80526	1	0.99262	0.95093
921.76595	0.99991	0.99226	0.95035
919.72665	0.99965	0.99168	0.94794
917.68734	0.99943	0.99099	0.9446
915.64804	0.99947	0.9905	0.94055
913.60873	0.99959	0.99015	0.93585
911.56943	0.99951	0.98975	0.93045
909.53012	0.99935	0.98944	0.92412
907.49082	0.99928	0.98935	0.91669
905.45151	0.99926	0.98933	0.90815
903.41221	0.99923	0.98923	0.89892
901.3729	0.99919	0.98921	0.89013

899.33359	0.99914	0.98941	0.8832
897.29429	0.99915	0.98988	0.87959
895.25498	0.99926	0.99052	0.88003
893.21568	0.9994	0.99107	0.88382
891.17637	0.99948	0.99148	0.88961
889.13707	0.99947	0.99186	0.89622
887.09776	0.9994	0.99222	0.90258
885.05846	0.99909	0.99246	0.90781
883.01915	0.99827	0.99245	0.91172
880.97985	0.99707	0.99206	0.91451
878.94054	0.99587	0.99148	0.91681
876.90124	0.99499	0.99102	0.91977
874.86193	0.99454	0.99089	0.92386
872.82263	0.99451	0.99114	0.92858
870.78332	0.99477	0.99166	0.93372
868.74402	0.99507	0.99211	0.94004
866.70471	0.99518	0.99214	0.9487
864.66541	0.9951	0.99189	0.95943
862.6261	0.99493	0.99168	0.9698
860.5868	0.99485	0.99148	0.97695
858.54749	0.99497	0.99114	0.98014
856.50819	0.99505	0.99076	0.98155
854.46888	0.9948	0.99039	0.98425
852.42957	0.99444	0.98988	0.98943
850.39027	0.99429	0.98927	0.99561
848.35096	0.99414	0.98855	1
846.31166	0.99375	0.98778	1.00145
844.27235	0.99328	0.98725	0.99716
842.23305	0.99293	0.98691	0.98649
840.19374	0.99267	0.98644	0.97037
838.15444	0.99246	0.9858	0.95352
836.11513	0.99224	0.98532	0.94231
834.07583	0.99179	0.98498	0.93887
832.03652	0.99122	0.98462	0.9398
829.99722	0.99081	0.98426	0.93986
827.95791	0.99047	0.98388	0.93567
825.91861	0.98977	0.98324	0.92634
823.8793	0.98874	0.98224	0.91206
821.84	0.98779	0.98119	0.89354
819.80069	0.98702	0.98035	0.8725
817.76139	0.98612	0.97965	0.8517

815.72208	0.98519	0.97898	0.83446
813.68278	0.98458	0.9784	0.82355
811.64347	0.98412	0.97788	0.81992
809.60417	0.98349	0.97725	0.82253
807.56486	0.98279	0.97651	0.82911
805.52556	0.98215	0.97591	0.83748
803.48625	0.98153	0.97543	0.84654
801.44694	0.98104	0.9749	0.8557
799.40764	0.98072	0.97429	0.86389
797.36833	0.98032	0.97345	0.87021
795.32903	0.97997	0.97262	0.87415
793.28972	0.98004	0.97212	0.87493
791.25042	0.98027	0.97179	0.87223
789.21111	0.98035	0.97136	0.86645
787.17181	0.98033	0.97077	0.85785
785.1325	0.98009	0.96961	0.84715
783.0932	0.97967	0.96787	0.83649
781.05389	0.97925	0.96638	0.82831
779.01459	0.97887	0.96557	0.82315
776.97528	0.97852	0.96511	0.81983
774.93598	0.97827	0.96466	0.81775
772.89667	0.97811	0.96426	0.8177
770.85737	0.97805	0.9642	0.82024
768.81806	0.97794	0.96455	0.82488
766.77876	0.97749	0.9649	0.83071
764.73945	0.97696	0.96523	0.83664
762.70015	0.97682	0.96562	0.84215
760.66084	0.97681	0.96573	0.84755
758.62154	0.97654	0.96544	0.85341
756.58223	0.97611	0.96503	0.85971
754.54293	0.97574	0.96464	0.86555
752.50362	0.97544	0.96428	0.86987
750.46431	0.97516	0.964	0.87211
748.42501	0.97473	0.96368	0.87233
746.3857	0.9742	0.96319	0.87149
744.3464	0.97391	0.96262	0.87086
742.30709	0.97379	0.96203	0.87049
740.26779	0.97342	0.96145	0.86901
738.22848	0.97265	0.96109	0.86571
736.18918	0.97183	0.96066	0.86143
734.14987	0.97132	0.95979	0.85728

732.11057	0.9709	0.95875	0.85349
730.07126	0.97014	0.95771	0.8494
728.03196	0.96916	0.95667	0.84463
725.99265	0.96828	0.95589	0.83906
723.95335	0.96765	0.95551	0.83249
721.91404	0.96739	0.95513	0.82624
719.87474	0.967	0.95468	0.82265
717.83543	0.96635	0.95408	0.82246
715.79613	0.96598	0.95339	0.82373
713.75682	0.96597	0.95294	0.82416
711.71752	0.96591	0.95276	0.82261
709.67821	0.96568	0.95257	0.81945
707.63891	0.96547	0.95227	0.81603
705.5996	0.96539	0.95181	0.81315
703.5603	0.96527	0.95116	0.81062
701.52099	0.96489	0.95062	0.80816
699.48168	0.96441	0.95053	0.80547
697.44238	0.96418	0.95078	0.80262
695.40307	0.96424	0.951	0.8004
693.36377	0.96419	0.95089	0.79912
691.32446	0.96397	0.95056	0.79822
689.28516	0.96399	0.95043	0.79722
687.24585	0.96437	0.9508	0.79589
685.20655	0.96457	0.9513	0.7938
683.16724	0.96424	0.95131	0.79044
681.12794	0.96371	0.95084	0.78602
679.08863	0.96346	0.95036	0.78161
677.04933	0.96342	0.94996	0.77767
675.01002	0.96233	0.94961	0.77374
672.97072	0.96001	0.94969	0.77018
670.93141	0.96146	0.95025	0.76857
668.89211	0.96718	0.95044	0.76741
666.8528	0.96655	0.94999	0.76404
664.8135	0.96121	0.94996	0.76217
662.77419	0.96033	0.95025	0.76415
660.73489	0.96224	0.95039	0.76728
658.69558	0.96324	0.95065	0.76904
656.65628	0.96362	0.9512	0.76904
654.61697	0.96388	0.9515	0.76767
652.57767	0.96406	0.95115	0.76557
650.53836	0.96434	0.95046	0.76327

648.49905	0.96456	0.94978	0.76139
646.45975	0.96438	0.94934	0.76018
644.42044	0.96401	0.94951	0.75902
642.38114	0.96397	0.95024	0.75731
640.34183	0.96434	0.95083	0.75539
638.30253	0.96463	0.9507	0.7544
636.26322	0.96445	0.95	0.7556
634.22392	0.96411	0.94981	0.75905
632.18461	0.96414	0.95087	0.76304
630.14531	0.9645	0.95264	0.76596
628.106	0.96478	0.95444	0.76747
626.0667	0.96451	0.95603	0.76794
624.02739	0.96399	0.95717	0.76813
621.98809	0.96387	0.9576	0.76967
619.94878	0.96444	0.95775	0.77312
617.90948	0.96516	0.95793	0.77686
615.87017	0.96537	0.95767	0.77866
613.83087	0.96542	0.95682	0.7778
611.79156	0.96568	0.9559	0.77732
609.75226	0.96584	0.95554	0.77958
607.71295	0.96554	0.95596	0.78271
605.67365	0.96512	0.95702	0.78548
603.63434	0.9655	0.95831	0.78861
601.59503	0.96666	0.95916	0.79075
599.55573	0.96774	0.95962	0.79075
597.51642	0.96816	0.95998	0.7907
595.47712	0.96789	0.9604	0.79318
593.43781	0.96745	0.96122	0.79819
591.39851	0.96781	0.96229	0.8038
589.3592	0.96843	0.96299	0.80948
587.3199	0.96808	0.96291	0.81594
585.28059	0.96806	0.96319	0.82315
583.24129	0.96981	0.96513	0.82883
581.20198	0.97161	0.96671	0.83126
579.16268	0.9707	0.96677	0.83319
577.12337	0.96808	0.96754	0.83666
575.08407	0.96763	0.96939	0.83982
573.04476	0.96945	0.97035	0.84155
571.00546	0.97048	0.96954	0.84394
568.96615	0.97024	0.96852	0.84777
566.92685	0.96958	0.9689	0.84954

564.88754	0.96898	0.96931	0.84873
562.84824	0.96875	0.96878	0.84934
560.80893	0.96862	0.96885	0.85067
558.76963	0.96895	0.96909	0.8505
556.73032	0.96971	0.96875	0.85185
554.69102	0.96988	0.96881	0.85714
552.65171	0.96955	0.96922	0.86503
550.6124	0.97021	0.97109	0.87224
548.5731	0.97201	0.9742	0.87538
546.53379	0.97317	0.97548	0.8721
544.49449	0.97324	0.97561	0.865
542.45518	0.9732	0.97721	0.8613
540.41588	0.97281	0.97837	0.86241
538.37657	0.97191	0.97797	0.86549
536.33727	0.97257	0.97901	0.87126
534.29796	0.97545	0.98083	0.87875
532.25866	0.97788	0.98111	0.88201
530.21935	0.97941	0.98241	0.87946
528.18005	0.98134	0.98651	0.87675
526.14074	0.98454	0.99195	0.87931
524.10144	0.98756	0.99331	0.88771
522.06213	0.98759	0.98785	0.90102
520.02283	0.98791	0.98484	0.9184
517.98352	0.98867	0.98886	0.93226
515.94422	0.98567	0.99169	0.93389
513.90491	0.98232	0.992	0.92884
511.86561	0.98393	0.99594	0.92804
509.8263	0.99148	1	0.93538
507.787	0.99921	0.99909	0.95448
505.74769	1	0.99363	0.98349
503.70839	1.0016	0.99364	1
501.66908	0.99683	0.99596	1.00745
499.62977	1	1	1