

Test Name	ACM A2, MW, rep 1
Cladding	Aluminium Composite Material (ACM) A2
Cladding Thickness [mm]	4
Insulation	Mineral Wool (MW)
Insulation Thickness [mm]	100
Cavity Width [mm]	50
Repetition Number	1
Mass Flow Rate (Propane)	0.2
Description	This experiment is on a system consisting of an Aluminium Composite Material (ACM) A2 cladding panel and a Mineral Wool (MW) insulation panel, separated with a cavity of 50 mm width. It is the first repetition of this system configuration.
Experiment Notes	There were no noticable observations for this test.
Peak HRR [kW]	3.48
Time to Peak HRR [mins]	9.52
Residual HRR [kW]	0.237
Total HR [MJ]	0.0845
Peak dQ/dt [kW/s]	0.0682
Time to Peak dQ/dt [s]	10.1

Test Time [s]	Heat Release Rate HRR [kW]	HRR Smoothed [kW]	Mass Rainscreen [kg]	Mass Insulation [kg]	Mass Drip Tray [kg]	Mass Total [kg]	MLR Rainscreen Smoothed 100pt [g/s]	MLR Insulation Smoothed 100pt [g/s]	MLR Drip Tray Smoothed 100pt [g/s]	MLR Total Smoothed 100pt [g/s]
0	0.15	0.15	4.9422	2.8048	-0.0019	7.7451	0.2173	0.0964	0.0539	0.3677
1	0.374	0.309	4.9422	2.803	-0.0014	7.7438	0.225	0.0913	0.0611	0.3774
2	0.403	0.435	4.9407	2.8031	-0.0015	7.7423	0.2326	0.102	0.0633	0.3979
3	0.608	0.522	4.9396	2.8029	-0.0015	7.741	0.2308	0.1086	0.0582	0.3976
4	0.639	0.794	4.939	2.8026	-0.0016	7.74	0.2231	0.1083	0.0615	0.3928
5	0.665	1.25	4.9381	2.8022	-0.0017	7.7386	0.2193	0.1101	0.0619	0.3912
6	0.815	1.83	4.9376	2.8018	-0.0016	7.7378	0.2203	0.1128	0.0628	0.3959
7	1.31	2.33	4.9374	2.8016	-0.0016	7.7374	0.2245	0.1228	0.0606	0.408
8	2.17	2.79	4.9371	2.8014	-0.0018	7.7366	0.2328	0.1238	0.0577	0.4142
9	2.76	3.17	4.9367	2.8013	-0.0018	7.7362	0.2318	0.1257	0.0592	0.4167
10	3.83	3.52	4.9362	2.8014	-0.0017	7.7359	0.2376	0.1178	0.057	0.4124
11	4.74	3.87	4.9358	2.8018	-0.0016	7.736	0.2451	0.1167	0.056	0.4177
12	5.37	4.25	4.9358	2.8022	-0.0014	7.7366	0.2345	0.1057	0.0541	0.3944
13	5.43	4.64	4.9358	2.802	-0.0015	7.7363	0.2273	0.1022	0.055	0.3845
14	5.72	5.03	4.936	2.8021	-0.0016	7.7365	0.2233	0.0937	0.0513	0.3683
15	6.14	5.43	4.9361	2.8023	-0.0017	7.7367	0.2235	0.0893	0.0465	0.3593
16	6.38	5.84	4.9362	2.802	-0.0017	7.7365	0.2217	0.0896	0.0392	0.3505
17	6.25	6.22	4.9364	2.802	-0.0018	7.7366	0.2241	0.0909	0.0331	0.3481
18	6.38	6.57	4.9364	2.8023	-0.0018	7.7369	0.2266	0.0916	0.0312	0.3494
19	6.93	6.9	4.9368	2.8023	-0.0019	7.7372	0.2231	0.0894	0.0295	0.3419
20	7.03	7.16	4.937	2.8023	-0.002	7.7373	0.2238	0.0797	0.0288	0.3323
21	7.65	7.38	4.9366	2.8018	-0.0021	7.7363	0.2266	0.0735	0.0283	0.3285
22	7.94	7.56	4.936	2.801	-0.0022	7.7349	0.2266	0.0673	0.0262	0.32
23	8.14	7.74	4.9359	2.8007	-0.0024	7.7342	0.2257	0.0724	0.0251	0.3231
24	8.14	7.9	4.936	2.8006	-0.0026	7.734	0.2227	0.0692	0.0292	0.321
25	8.57	8.04	4.9354	2.8003	-0.0028	7.733	0.221	0.0608	0.0289	0.3107
26	8.67	8.17	4.9349	2.8001	-0.0029	7.7321	0.2194	0.0558	0.0287	0.3038
27	8.7	8.32	4.935	2.7998	-0.0028	7.732	0.2166	0.0531	0.0288	0.2985
28	9.08	8.45	4.9349	2.7994	-0.0029	7.7314	0.2178	0.051	0.0294	0.2982

29	8.84	8.54	4.9347	2.7994	-0.0029	7.7312	0.2228	0.0479	0.0294	0.3
30	8.85	8.61	4.9347	2.7994	-0.0029	7.7312	0.2234	0.0505	0.0278	0.3017
31	8.72	8.66	4.9348	2.7993	-0.0028	7.7313	0.2258	0.0424	0.0289	0.2971
32	8.87	8.68	4.9346	2.7992	-0.0029	7.731	0.2269	0.0389	0.0324	0.2982
33	8.85	8.69	4.9343	2.7991	-0.0027	7.7307	0.2324	0.0415	0.034	0.3079
34	8.73	8.71	4.9343	2.7992	-0.0025	7.731	0.2326	0.0426	0.0336	0.3087
35	8.92	8.72	4.9343	2.7996	-0.0025	7.7315	0.2262	0.0412	0.0314	0.2989
36	9.02	8.72	4.9341	2.7999	-0.0027	7.7314	0.2214	0.0427	0.0293	0.2933
37	8.93	8.72	4.9342	2.8003	-0.0028	7.7317	0.2232	0.0392	0.029	0.2914
38	8.69	8.71	4.9341	2.8004	-0.0029	7.7316	0.2207	0.0344	0.0295	0.2846
39	8.32	8.71	4.9338	2.8	-0.003	7.7308	0.2003	0.0378	0.0285	0.2666
40	8.5	8.7	4.9336	2.7998	-0.0032	7.7302	0.2012	0.0374	0.028	0.2666
41	8.45	8.71	4.9329	2.7996	-0.0035	7.729	0.2108	0.0325	0.0288	0.2721
42	8.35	8.7	4.9316	2.7997	-0.0036	7.7277	0.2134	0.0345	0.0297	0.2776
43	8.43	8.71	4.9306	2.7996	-0.0036	7.7266	0.2261	0.0353	0.0308	0.2922
44	8.71	8.74	4.9302	2.7999	-0.0037	7.7263	0.2384	0.0321	0.0318	0.3023
45	8.64	8.75	4.9301	2.8003	-0.0038	7.7266	0.2476	0.0334	0.0316	0.3126
46	8.74	8.77	4.9309	2.8004	-0.004	7.7274	0.2456	0.0371	0.0325	0.3151
47	8.86	8.79	4.9318	2.8003	-0.0039	7.7281	0.2418	0.0383	0.0322	0.3123
48	8.9	8.8	4.932	2.8007	-0.004	7.7287	0.2407	0.0411	0.0318	0.3136
49	8.71	8.83	4.9311	2.8005	-0.0042	7.7275	0.2359	0.0428	0.0315	0.3102
50	8.96	8.86	4.9305	2.8007	-0.0046	7.7266	0.2328	0.0408	0.0294	0.3029
51	8.6	8.92	4.9299	2.8001	-0.0048	7.7252	0.235	0.032	0.024	0.291
52	9.09	8.96	4.9297	2.7996	-0.0046	7.7248	0.2312	0.0107	0.0289	0.2707
53	9.18	8.97	4.9299	2.7995	-0.0048	7.7246	0.2095	0.0156	0.028	0.2531
54	9.25	8.97	4.9299	2.7993	-0.0049	7.7243	0.1779	0.015	0.028	0.2209
55	9.41	8.94	4.9296	2.799	-0.005	7.7237	0.1477	0.017	0.028	0.1928
56	9.23	8.89	4.9292	2.7984	-0.0049	7.7226	0.1191	0.0144	0.0275	0.1611
57	8.86	8.85	4.9285	2.7982	-0.0048	7.7218	0.1043	0.0073	0.0282	0.1398
58	8.89	8.8	4.9283	2.7979	-0.005	7.7213	0.0989	0.0046	0.029	0.1325
59	9.14	8.77	4.9277	2.7983	-0.0049	7.7211	0.0934	0.0047	0.0281	0.1262
60	9.54	8.72	4.927	2.7982	-0.0049	7.7204	0.0866	0.0041	0.0289	0.1196
61	9.09	8.67	4.9274	2.7988	-0.0048	7.7214	0.0809	0.008	0.031	0.1198
62	8.68	8.6	4.9277	2.7989	-0.0049	7.7216	0.0793	0.0118	0.0343	0.1254
63	8.57	8.51	4.9277	2.7994	-0.0048	7.7223	0.084	0.0176	0.0366	0.1381
64	8.12	8.38	4.9275	2.7996	-0.0045	7.7225	0.0912	0.0185	0.0339	0.1435
65	7.89	8.26	4.9273	2.7994	-0.0041	7.7227	0.0997	0.0228	0.031	0.1535

66	8.06	8.16	4.927	2.7993	-0.0037	7.7225	0.104	0.0231	0.0319	0.159
67	7.99	8.09	4.9266	2.7991	-0.0036	7.7221	0.1052	0.0161	0.033	0.1543
68	8.09	8.03	4.9266	2.7992	-0.0035	7.7223	0.1113	0.0149	0.0323	0.1584
69	7.96	7.98	4.9263	2.7998	-0.0035	7.7226	0.1206	0.0191	0.0313	0.171
70	7.79	7.9	4.9259	2.8001	-0.0035	7.7225	0.1208	0.0158	0.0301	0.1667
71	7.65	7.85	4.9257	2.8005	-0.0034	7.7228	0.1172	0.0206	0.028	0.1659
72	7.42	7.86	4.9255	2.8001	-0.0033	7.7223	0.1004	0.0112	0.027	0.1385
73	6.86	7.88	4.9255	2.8002	-0.0036	7.7221	0.0898	0.0003	0.0268	0.1169
74	7.16	7.93	4.9254	2.8008	-0.0037	7.7225	0.0826	0.0024	0.0267	0.1117
75	7.35	8.01	4.9253	2.8011	-0.0037	7.7228	0.0786	0.0043	0.0292	0.1122
76	7.43	8.11	4.9253	2.8013	-0.0037	7.7229	0.082	0.0029	0.0294	0.1144
77	7.79	8.18	4.925	2.8014	-0.0038	7.7226	0.0865	0.0031	0.029	0.1186
78	8.13	8.23	4.9244	2.8016	-0.0038	7.7222	0.0865	0.0034	0.0303	0.1202
79	7.98	8.3	4.9241	2.8013	-0.0037	7.7217	0.0793	0.0086	0.0302	0.1181
80	8.22	8.35	4.9237	2.8019	-0.0038	7.7218	0.0661	0.0086	0.0292	0.1038
81	8.95	8.43	4.9234	2.8022	-0.0041	7.7214	0.0649	0.0052	0.0281	0.0982
82	8.89	8.52	4.9227	2.8019	-0.0043	7.7203	0.0716	0.008	0.0278	0.1075
83	9.1	8.65	4.9224	2.8018	-0.0043	7.7199	0.0867	0.0098	0.0261	0.1226
84	9.43	8.78	4.9227	2.8019	-0.0042	7.7204	0.0922	0.007	0.0263	0.1255
85	9.92	8.92	4.9229	2.8017	-0.004	7.7206	0.0877	0.0023	0.0278	0.1177
86	9.38	9.06	4.9226	2.8019	-0.004	7.7205	0.0733	0.0031	0.0285	0.1049
87	9	9.16	4.9226	2.8023	-0.0041	7.7208	0.0645	0.0054	0.0274	0.0973
88	9.27	9.25	4.9242	2.802	-0.004	7.7221	0.0603	0.0119	0.0257	0.0979
89	8.75	9.36	4.9239	2.802	-0.004	7.7219	0.06	0.0125	0.0235	0.096
90	9.08	9.45	4.9228	2.8024	-0.0041	7.7211	0.0601	0.0087	0.0221	0.0909
91	9.24	9.51	4.9223	2.8022	-0.0042	7.7203	0.0486	0.008	0.0192	0.0759
92	9.24	9.54	4.9209	2.8021	-0.0043	7.7187	0.0391	0.006	0.016	0.0611
93	9.6	9.56	4.9196	2.8023	-0.0045	7.7174	0.0169	0.0063	0.016	0.0392
94	10.1	9.56	4.9185	2.8022	-0.0045	7.7162	0.0071	0.0043	0.0163	0.0277
95	10.1	9.53	4.9184	2.8018	-0.0046	7.7156	0.005	0.0098	0.017	0.0318
96	9.73	9.52	4.9185	2.8016	-0.0046	7.7156	0.0146	0.0128	0.0165	0.044
97	9.75	9.52	4.9184	2.8013	-0.0046	7.7151	0.0413	0.0102	0.0154	0.0669
98	10.1	9.51	4.9186	2.8011	-0.0046	7.7151	0.0676	0.0066	0.0157	0.0899
99	10.1	9.51	4.9187	2.8013	-0.0044	7.7156	0.087	0.0067	0.0152	0.1089
100	10	9.51	4.9187	2.8016	-0.0043	7.716	0.0955	0.0034	0.0132	0.1122
101	9.49	9.45	4.919	2.8019	-0.0043	7.7167	0.093	0.005	0.01	0.108
102	9.48	9.43	4.9198	2.8015	-0.0043	7.717	0.0982	-0.0014	0.0083	0.1051

103	9.32	9.37	4.9218	2.8014	-0.0043	7.7189	0.1073	-0.0054	0.0101	0.112
104	9.37	9.29	4.9242	2.8009	-0.0044	7.7207	0.1135	-0.0073	0.007	0.1132
105	9.29	9.2	4.9262	2.8007	-0.0044	7.7225	0.1178	-0.0088	0.0066	0.1155
106	8.98	9.13	4.9272	2.801	-0.0045	7.7238	0.1214	-0.0136	0.005	0.1128
107	8.99	9.05	4.9275	2.8012	-0.0045	7.7241	0.1251	-0.0215	0.004	0.1076
108	8.83	8.95	4.9277	2.8009	-0.0046	7.724	0.1257	-0.0211	0.0055	0.11
109	9.02	8.87	4.9281	2.8009	-0.0047	7.7243	0.1324	-0.0242	0.0043	0.1124
110	8.25	8.78	4.9281	2.8006	-0.0048	7.7239	0.1291	-0.0175	0.005	0.1166
111	8.81	8.74	4.9279	2.8006	-0.005	7.7235	0.1253	-0.0166	0.0061	0.1147
112	8.34	8.7	4.9274	2.8005	-0.0051	7.7228	0.1316	-0.0117	0.0076	0.1275
113	8.69	8.68	4.9267	2.8001	-0.0049	7.7219	0.1343	-0.0081	0.007	0.1332
114	8.32	8.67	4.926	2.7999	-0.0047	7.7211	0.1278	-0.0047	0.0101	0.1331
115	8.31	8.64	4.9257	2.8	-0.0049	7.7208	0.1209	-0.0035	0.0119	0.1294
116	8.31	8.63	4.9257	2.8004	-0.005	7.7211	0.1219	-0.0036	0.0168	0.1351
117	8.11	8.61	4.9252	2.8005	-0.005	7.7207	0.1179	-0.0049	0.0216	0.1346
118	8.53	8.6	4.9243	2.8004	-0.0049	7.7198	0.1209	-0.0088	0.0237	0.1358
119	8.3	8.57	4.9247	2.8007	-0.0049	7.7205	0.136	-0.0083	0.0257	0.1533
120	8.84	8.58	4.9253	2.8002	-0.0048	7.7207	0.1496	-0.0004	0.026	0.1751
121	8.6	8.59	4.9265	2.8007	-0.0048	7.7224	0.1449	0.0024	0.027	0.1743
122	9.05	8.61	4.9271	2.801	-0.0049	7.7232	0.1446	0.0093	0.0283	0.1822
123	9.2	8.61	4.9276	2.8005	-0.0051	7.723	0.144	0.0067	0.0277	0.1784
124	8.72	8.64	4.9281	2.8002	-0.0055	7.7228	0.1497	0.0077	0.0236	0.1811
125	8.74	8.66	4.9272	2.8001	-0.0057	7.7216	0.1549	0.0108	0.0235	0.1892
126	8.65	8.66	4.9263	2.7998	-0.0058	7.7203	0.1579	0.0112	0.0239	0.193
127	8.67	8.69	4.9264	2.7994	-0.0059	7.7199	0.1623	0.0122	0.0246	0.1991
128	8.38	8.69	4.927	2.7985	-0.0059	7.7196	0.1659	0.0131	0.0236	0.2025
129	8.46	8.69	4.9281	2.7985	-0.0058	7.7208	0.1671	0.0162	0.0238	0.2071
130	8.93	8.66	4.9282	2.7989	-0.0057	7.7214	0.1644	0.0141	0.025	0.2035
131	8.69	8.63	4.9276	2.7985	-0.0056	7.7205	0.1608	0.0164	0.0257	0.2029
132	8.75	8.54	4.926	2.7982	-0.0055	7.7187	0.1617	0.0235	0.0226	0.2078
133	8.97	8.45	4.9251	2.7984	-0.0053	7.7182	0.155	0.0193	0.0213	0.1956
134	8.69	8.39	4.9255	2.799	-0.0053	7.7192	0.1598	0.0193	0.0236	0.2027
135	8.34	8.34	4.927	2.7993	-0.0053	7.721	0.1657	0.0211	0.0269	0.2137
136	8.65	8.34	4.9277	2.7994	-0.0054	7.7217	0.1635	0.0202	0.03	0.2137
137	8.39	8.33	4.9281	2.7991	-0.0053	7.7219	0.1554	0.0273	0.0316	0.2143
138	8.44	8.33	4.9281	2.7992	-0.0053	7.722	0.1545	0.0374	0.0312	0.2231
139	8.19	8.31	4.9278	2.7991	-0.0052	7.7217	0.1721	0.039	0.0318	0.2429

140	7.98	8.27	4.9287	2.799	-0.0051	7.7226	0.1758	0.0408	0.0337	0.2503
141	7.51	8.24	4.929	2.799	-0.0051	7.7229	0.1689	0.0479	0.034	0.2508
142	7.45	8.27	4.9299	2.7991	-0.0052	7.7238	0.1644	0.052	0.033	0.2494
143	7.51	8.28	4.9299	2.7992	-0.0053	7.7239	0.1507	0.0545	0.0327	0.2379
144	7.84	8.3	4.9297	2.7989	-0.0054	7.7231	0.1353	0.0608	0.0329	0.229
145	8.64	8.34	4.9287	2.799	-0.0055	7.7222	0.1145	0.059	0.0341	0.2077
146	8.47	8.38	4.9268	2.7994	-0.0055	7.7207	0.1133	0.0598	0.032	0.2051
147	8.29	8.44	4.925	2.7996	-0.0055	7.7191	0.1244	0.062	0.0298	0.2162
148	8.18	8.5	4.9233	2.8	-0.0055	7.7178	0.1249	0.0599	0.0297	0.2145
149	8.17	8.58	4.9216	2.8002	-0.0055	7.7163	0.1262	0.0621	0.03	0.2182
150	8.1	8.67	4.9212	2.8002	-0.0056	7.7158	0.1287	0.0631	0.0318	0.2236
151	9.24	8.74	4.9201	2.8002	-0.0056	7.7147	0.1328	0.0698	0.034	0.2366
152	9.3	8.84	4.919	2.8001	-0.0056	7.7136	0.1455	0.0824	0.034	0.2618
153	8.94	8.95	4.9186	2.8002	-0.0055	7.7133	0.1554	0.0759	0.033	0.2644
154	9.26	9.01	4.9181	2.8002	-0.0055	7.7128	0.1811	0.0723	0.0338	0.2872
155	9.28	9.07	4.9175	2.8004	-0.0055	7.7124	0.2114	0.0662	0.0358	0.3134
156	9.52	9.14	4.9167	2.8005	-0.0053	7.7118	0.238	0.0665	0.037	0.3415
157	9.69	9.2	4.9159	2.8003	-0.0054	7.7108	0.2532	0.07	0.038	0.3611
158	9.62	9.29	4.9151	2.8004	-0.0054	7.71	0.2568	0.0723	0.0367	0.3658
159	9.7	9.36	4.9148	2.8	-0.0054	7.7094	0.2596	0.072	0.0353	0.3669
160	8.93	9.44	4.9145	2.7999	-0.0055	7.7089	0.2636	0.0745	0.0333	0.3714
161	9.26	9.42	4.9143	2.8	-0.0056	7.7086	0.2658	0.0748	0.0338	0.3744
162	9.59	9.44	4.9142	2.7997	-0.0056	7.7083	0.2667	0.0769	0.0329	0.3765
163	9.09	9.47	4.9149	2.7998	-0.0058	7.709	0.2651	0.0725	0.0333	0.3709
164	9.67	9.49	4.9154	2.7999	-0.0057	7.7096	0.2593	0.0687	0.0368	0.3648
165	9.73	9.51	4.9152	2.7998	-0.0057	7.7092	0.2528	0.0636	0.0386	0.355
166	9.59	9.51	4.9152	2.7998	-0.0059	7.7091	0.249	0.0629	0.0367	0.3486
167	9.87	9.51	4.9145	2.8	-0.006	7.7085	0.25	0.0627	0.0345	0.3472
168	9.36	9.52	4.913	2.8	-0.0061	7.7069	0.2459	0.0641	0.0346	0.3446
169	9.62	9.48	4.9114	2.7998	-0.0061	7.7051	0.2371	0.0622	0.0344	0.3337
170	8.98	9.51	4.9114	2.7999	-0.0062	7.7051	0.2417	0.066	0.034	0.3416
171	9.62	9.48	4.9112	2.7996	-0.0062	7.7046	0.2512	0.0596	0.0358	0.3466
172	9.49	9.47	4.9111	2.7994	-0.0061	7.7044	0.2652	0.0672	0.035	0.3674
173	9.62	9.46	4.9105	2.7995	-0.006	7.704	0.2718	0.0622	0.0358	0.3699
174	9.66	9.43	4.9099	2.7997	-0.006	7.7036	0.2788	0.0568	0.0343	0.37
175	9.59	9.41	4.9095	2.8	-0.006	7.7035	0.2832	0.0471	0.0317	0.3621
176	9.68	9.38	4.9091	2.8	-0.0062	7.703	0.2751	0.0431	0.0286	0.3468

177	9.74	9.32	4.9084	2.8001	-0.0061	7.7023	0.2649	0.0361	0.0275	0.3285
178	9.04	9.28	4.9077	2.7999	-0.0062	7.7014	0.267	0.0307	0.0264	0.324
179	9.55	9.26	4.9077	2.7999	-0.0062	7.7014	0.2741	0.02	0.026	0.3201
180	8.65	9.25	4.9076	2.8003	-0.0064	7.7015	0.2851	0.0186	0.0276	0.3313
181	9.29	9.21	4.9072	2.7998	-0.0064	7.7006	0.2852	0.0235	0.0298	0.3385
182	8.98	9.19	4.9072	2.8	-0.0064	7.7007	0.2774	0.0246	0.0329	0.3349
183	9.09	9.16	4.9065	2.7998	-0.0067	7.6997	0.2636	0.0203	0.0353	0.3192
184	9.36	9.13	4.9062	2.7997	-0.0068	7.6991	0.2529	0.027	0.0371	0.317
185	9.09	9.12	4.9066	2.7997	-0.007	7.6992	0.2606	0.034	0.0372	0.3318
186	8.74	9.09	4.907	2.7992	-0.0072	7.6991	0.2788	0.033	0.0349	0.3467
187	8.58	9.06	4.9071	2.7986	-0.0072	7.6985	0.2913	0.03	0.035	0.3563
188	9.1	9.05	4.9069	2.7981	-0.0072	7.6978	0.2973	0.0276	0.0351	0.3601
189	8.87	9.02	4.9063	2.7979	-0.0074	7.6968	0.2985	0.0276	0.035	0.3611
190	8.95	8.99	4.9059	2.7976	-0.0075	7.696	0.3001	0.0261	0.0359	0.3621
191	8.97	8.94	4.9059	2.797	-0.0075	7.6954	0.3147	0.0234	0.0361	0.3742
192	9.17	8.92	4.9059	2.7966	-0.0076	7.6949	0.3214	0.0249	0.0378	0.3841
193	9.11	8.88	4.906	2.7963	-0.0078	7.6945	0.3311	0.0308	0.0391	0.401
194	9.29	8.82	4.907	2.7963	-0.0079	7.6954	0.3333	0.0387	0.0404	0.4124
195	9.11	8.76	4.9071	2.7958	-0.0078	7.6951	0.3324	0.0409	0.0393	0.4126
196	9.13	8.7	4.9061	2.7954	-0.0076	7.6939	0.3223	0.052	0.0413	0.4156
197	8.91	8.63	4.9059	2.7953	-0.0076	7.6937	0.3038	0.0652	0.042	0.411
198	8.97	8.54	4.906	2.7949	-0.0076	7.6933	0.282	0.0679	0.0415	0.3913
199	8.11	8.48	4.9058	2.795	-0.0076	7.6932	0.2644	0.0771	0.041	0.3825
200	8.34	8.44	4.9054	2.7946	-0.0077	7.6923	0.25	0.0819	0.0437	0.3756
201	8.54	8.39	4.9045	2.7937	-0.0077	7.6905	0.2486	0.0859	0.0424	0.3769
202	8.34	8.32	4.9042	2.7939	-0.0076	7.6906	0.2385	0.0939	0.0385	0.3709
203	8.24	8.26	4.9037	2.7942	-0.0077	7.6902	0.2291	0.0925	0.0353	0.3569
204	7.89	8.2	4.9031	2.7943	-0.008	7.6894	0.2238	0.0971	0.0329	0.3538
205	7.6	8.14	4.9024	2.7941	-0.0081	7.6884	0.2201	0.0918	0.0301	0.342
206	7.36	8.09	4.9019	2.794	-0.0083	7.6877	0.2112	0.0938	0.0278	0.3327
207	7.38	8.07	4.9018	2.7939	-0.0082	7.6876	0.2014	0.0915	0.0279	0.3208
208	7.68	8.05	4.9018	2.7937	-0.0081	7.6873	0.1964	0.0826	0.0277	0.3067
209	8.28	8.05	4.9017	2.7934	-0.008	7.6871	0.1908	0.08	0.0296	0.3003
210	8	8.03	4.9015	2.7931	-0.0082	7.6865	0.1865	0.0719	0.0306	0.2891
211	7.76	8.03	4.9012	2.7929	-0.0083	7.6858	0.1834	0.0615	0.0314	0.2764
212	8.04	8	4.9009	2.7932	-0.0084	7.6857	0.1843	0.0597	0.0335	0.2774
213	8.11	8.01	4.9008	2.7933	-0.0086	7.6854	0.1861	0.0591	0.0326	0.2779

214	7.95	8.04	4.9007	2.7935	-0.0086	7.6856	0.19	0.0623	0.0313	0.2836
215	8.18	8.08	4.9008	2.7937	-0.0086	7.6859	0.1932	0.0616	0.032	0.2868
216	8.5	8.12	4.9007	2.7941	-0.0085	7.6863	0.1878	0.0576	0.0313	0.2767
217	8.61	8.16	4.9007	2.7941	-0.0085	7.6863	0.1844	0.0539	0.0294	0.2677
218	8.15	8.19	4.9006	2.7941	-0.0084	7.6864	0.1734	0.0522	0.0279	0.2535
219	8	8.2	4.9005	2.7941	-0.0083	7.6863	0.1563	0.0529	0.0268	0.2359
220	8.43	8.23	4.9002	2.7943	-0.0084	7.686	0.1395	0.0509	0.0263	0.2168
221	7.93	8.29	4.9	2.794	-0.0083	7.6857	0.1407	0.0517	0.0236	0.2159
222	8.42	8.31	4.8999	2.7948	-0.0085	7.6862	0.1415	0.0438	0.0231	0.2084
223	8.36	8.33	4.8997	2.7948	-0.0085	7.686	0.141	0.04	0.0251	0.2062
224	8.43	8.36	4.8998	2.7955	-0.0087	7.6866	0.1333	0.0427	0.027	0.203
225	8.08	8.36	4.8997	2.7957	-0.0086	7.6869	0.128	0.0476	0.0273	0.2029
226	8.09	8.35	4.8998	2.7962	-0.0086	7.6874	0.1238	0.0539	0.029	0.2068
227	8.35	8.34	4.8997	2.7963	-0.0085	7.6875	0.1213	0.0578	0.0291	0.2082
228	8.33	8.37	4.8996	2.7965	-0.0085	7.6876	0.1145	0.0591	0.0291	0.2026
229	8.62	8.41	4.8996	2.7967	-0.0086	7.6877	0.1082	0.059	0.0287	0.196
230	8.89	8.43	4.8997	2.7965	-0.0087	7.6875	0.1099	0.0615	0.0286	0.2
231	8.45	8.44	4.8999	2.796	-0.0089	7.687	0.11	0.0654	0.0271	0.2025
232	8.44	8.47	4.8996	2.7962	-0.009	7.6868	0.1053	0.0585	0.0278	0.1916
233	8.51	8.46	4.8998	2.7957	-0.009	7.6865	0.1058	0.0634	0.0286	0.1978
234	8.24	8.49	4.8994	2.7956	-0.009	7.686	0.0976	0.0595	0.0264	0.1836
235	8.25	8.5	4.8991	2.796	-0.0088	7.6863	0.0936	0.0596	0.0237	0.1769
236	8.52	8.52	4.8986	2.7964	-0.0089	7.6861	0.096	0.0614	0.0229	0.1803
237	8.77	8.51	4.8984	2.7963	-0.0088	7.6859	0.1012	0.0554	0.0204	0.177
238	8.66	8.5	4.8983	2.7964	-0.0088	7.6859	0.1017	0.0466	0.0203	0.1686
239	8.74	8.48	4.8978	2.7965	-0.0088	7.6855	0.099	0.0401	0.021	0.1601
240	8.24	8.44	4.8973	2.7967	-0.0087	7.6852	0.0924	0.035	0.0198	0.1472
241	8.9	8.41	4.8968	2.7965	-0.0089	7.6844	0.0884	0.0288	0.0184	0.1356
242	8.24	8.39	4.8968	2.796	-0.0091	7.6837	0.0895	0.0166	0.0187	0.1247
243	8.98	8.38	4.8966	2.7953	-0.0093	7.6826	0.0966	0.0086	0.0178	0.1231
244	8.23	8.37	4.8964	2.7948	-0.0094	7.6819	0.1031	0.0018	0.0165	0.1213
245	8.6	8.36	4.8964	2.7938	-0.0096	7.6806	0.11	0.0059	0.014	0.1299
246	8.12	8.35	4.8964	2.7929	-0.0097	7.6796	0.1074	0.002	0.0161	0.1255
247	8.08	8.33	4.8968	2.7928	-0.0096	7.68	0.0942	-0.003	0.0185	0.1097
248	8.31	8.29	4.8969	2.7923	-0.0096	7.6796	0.0894	-0.0051	0.0169	0.1012
249	8.01	8.24	4.8966	2.792	-0.0099	7.6787	0.087	-0.0059	0.018	0.0992
250	7.99	8.22	4.8963	2.7916	-0.0098	7.6781	0.0823	-0.0028	0.018	0.0975

251	8.09	8.15	4.8962	2.7908	-0.0095	7.6776	0.0794	-0.0086	0.017	0.0878
252	8.32	8.11	4.8961	2.7909	-0.0091	7.6779	0.0696	-0.0196	0.017	0.067
253	8.03	8.05	4.8962	2.7905	-0.0088	7.6779	0.0648	-0.0154	0.0188	0.0681
254	8.09	8	4.8961	2.791	-0.0086	7.6786	0.0587	-0.0122	0.0208	0.0673
255	8.34	7.94	4.8964	2.791	-0.0083	7.6791	0.0526	-0.0091	0.0183	0.0617
256	8.39	7.93	4.8965	2.7913	-0.0081	7.6797	0.0482	-0.0058	0.0166	0.059
257	7.88	7.9	4.8963	2.792	-0.0081	7.6802	0.0427	-0.0034	0.0165	0.0557
258	7.69	7.86	4.896	2.7924	-0.0084	7.68	0.0423	-0.0025	0.0173	0.0571
259	7.87	7.85	4.8962	2.7928	-0.0085	7.6805	0.0452	0.0009	0.0183	0.0644
260	7.55	7.85	4.8962	2.7938	-0.0086	7.6813	0.0488	0.004	0.019	0.0719
261	7.61	7.86	4.8959	2.794	-0.0089	7.6809	0.0487	0.0074	0.0162	0.0724
262	7.68	7.88	4.8956	2.7938	-0.0089	7.6805	0.0448	0.0084	0.0138	0.067
263	7.32	7.9	4.8959	2.7936	-0.0089	7.6806	0.0431	0.0096	0.0097	0.0624
264	7.46	7.9	4.896	2.7937	-0.0089	7.6809	0.0387	0.0112	0.0037	0.0535
265	7.91	7.9	4.8964	2.794	-0.0089	7.6815	0.0308	0.0131	0.0039	0.0478
266	7.63	7.9	4.8967	2.7944	-0.0088	7.6823	0.03	0.0119	0.0054	0.0473
267	7.53	7.95	4.8971	2.7948	-0.0088	7.6832	0.0305	0.0135	0.0055	0.0495
268	7.77	8.01	4.8974	2.7947	-0.0088	7.6833	0.0342	0.0097	0.0056	0.0494
269	8	8.06	4.8974	2.7947	-0.0087	7.6834	0.0369	0.0067	0.0076	0.0512
270	8.36	8.13	4.8973	2.7947	-0.0086	7.6835	0.0368	-0.0013	0.0094	0.0449
271	8.68	8.2	4.897	2.7952	-0.0085	7.6838	0.0296	-0.0032	0.0096	0.036
272	8.37	8.27	4.897	2.7954	-0.0086	7.6838	0.0233	-0.0081	0.0104	0.0256
273	7.98	8.35	4.8972	2.7952	-0.0087	7.6837	0.0222	-0.0064	0.0073	0.0231
274	8.41	8.41	4.8971	2.795	-0.0087	7.6833	0.0235	-0.0104	0.0051	0.0182
275	8.42	8.44	4.8971	2.7946	-0.009	7.6828	0.0265	-0.0062	0.0015	0.0218
276	8.83	8.49	4.8969	2.7943	-0.0091	7.6821	0.0264	-0.0064	0.003	0.0229
277	8.84	8.54	4.897	2.7942	-0.009	7.6821	0.0252	-0.0051	0.0014	0.0216
278	8.86	8.6	4.8968	2.794	-0.009	7.6818	0.0318	-0.0011	0.001	0.0317
279	8.82	8.62	4.8967	2.7938	-0.0091	7.6814	0.0384	-0.0026	0.001	0.0368
280	8.89	8.64	4.8966	2.7937	-0.0091	7.6812	0.0427	0.0001	-0.0001	0.0427
281	9.08	8.62	4.8967	2.794	-0.0092	7.6815	0.0445	-0.0027	-0.0018	0.0399
282	8.9	8.61	4.8966	2.7936	-0.0093	7.681	0.0474	-0.0072	-0.0039	0.0363
283	8.47	8.64	4.8967	2.7939	-0.0093	7.6813	0.042	-0.0029	-0.005	0.0341
284	8.45	8.65	4.8968	2.7938	-0.0092	7.6814	0.0462	-0.0056	-0.0051	0.0355
285	8.65	8.66	4.897	2.7935	-0.0093	7.6812	0.0458	-0.0091	-0.006	0.0307
286	8.43	8.62	4.8969	2.7937	-0.0092	7.6814	0.0482	-0.0047	-0.0052	0.0382
287	8.9	8.56	4.8969	2.7939	-0.0092	7.6816	0.0456	0.0028	-0.005	0.0433

288	8.43	8.51	4.897	2.7941	-0.0093	7.6818	0.0461	0.0085	-0.0044	0.0501
289	8.69	8.46	4.897	2.7944	-0.0094	7.6821	0.045	0.0111	-0.003	0.0532
290	8.43	8.41	4.8971	2.7947	-0.0093	7.6825	0.0378	0.0148	-0.0022	0.0504
291	8.14	8.36	4.897	2.7953	-0.0094	7.6829	0.0345	0.0228	0.0008	0.0581
292	8.46	8.33	4.8962	2.7958	-0.0094	7.6826	0.0317	0.0231	-0.0013	0.0535
293	8.74	8.3	4.8957	2.7961	-0.0094	7.6824	0.0297	0.0172	-0.0046	0.0423
294	8.55	8.29	4.896	2.7957	-0.0093	7.6824	0.0263	0.0117	-0.0076	0.0304
295	8.01	8.29	4.8963	2.7956	-0.0094	7.6825	0.026	0.0037	-0.008	0.0217
296	7.71	8.26	4.8967	2.7957	-0.0094	7.683	0.0231	-0.0084	-0.0095	0.0052
297	7.95	8.22	4.897	2.7958	-0.0093	7.6835	0.0228	-0.0189	-0.01	-0.0062
298	7.94	8.21	4.8973	2.7955	-0.0094	7.6834	0.026	-0.0195	-0.0095	-0.003
299	7.81	8.18	4.8976	2.7952	-0.0094	7.6834	0.0235	-0.0241	-0.0099	-0.0105
300	8.19	8.16	4.8975	2.7955	-0.0094	7.6836	0.0194	-0.0296	-0.0117	-0.0219
301	8.29	8.16	4.8975	2.7957	-0.0094	7.6838	0.0161	-0.0347	-0.0111	-0.0297
302	8.02	8.15	4.8978	2.7955	-0.0095	7.6837	0.0137	-0.04	-0.0069	-0.0332
303	8.14	8.1	4.8978	2.7954	-0.0098	7.6834	0.0125	-0.041	-0.0041	-0.0325
304	8.64	8.05	4.8978	2.7952	-0.0098	7.6832	0.0173	-0.0467	-0.0009	-0.0302
305	7.87	8.04	4.8976	2.7947	-0.0098	7.6825	0.0252	-0.0427	0.0008	-0.0166
306	8.21	8.07	4.8976	2.7944	-0.0099	7.6821	0.0381	-0.0413	0.0018	-0.0014
307	8.23	8.07	4.8976	2.7942	-0.0099	7.6818	0.0507	-0.0383	0.0027	0.015
308	8.17	8.04	4.8972	2.7936	-0.0099	7.6809	0.056	-0.0317	0.0035	0.0278
309	7.98	8.01	4.8968	2.793	-0.0099	7.6799	0.0519	-0.0195	0.0004	0.0329
310	8.18	8	4.8966	2.7924	-0.0098	7.6792	0.0464	-0.0114	-0.0007	0.0343
311	8.24	8	4.8967	2.7921	-0.0097	7.6791	0.045	-0.0013	-0.0034	0.0403
312	7.84	8.01	4.8966	2.7922	-0.0094	7.6794	0.0445	0.0018	-0.0067	0.0396
313	7.53	8.04	4.8969	2.7921	-0.009	7.6801	0.0431	-0.0009	-0.0074	0.0349
314	7.82	8.01	4.8976	2.7922	-0.009	7.6808	0.0493	-0.0034	-0.008	0.0379
315	8.21	8.03	4.8978	2.7925	-0.0091	7.6812	0.055	-0.0062	-0.008	0.0408
316	8.07	8.05	4.8977	2.7927	-0.009	7.6814	0.0601	-0.0096	-0.0084	0.0422
317	7.2	8.07	4.8972	2.7931	-0.009	7.6813	0.0613	-0.0069	-0.008	0.0464
318	7.42	8.11	4.8969	2.7935	-0.0091	7.6813	0.0651	-0.0021	-0.0068	0.0562
319	7.86	8.15	4.8968	2.7943	-0.0092	7.6819	0.0684	-0.0044	-0.0057	0.0583
320	8.27	8.16	4.8972	2.7946	-0.0093	7.6824	0.0661	-0.0057	-0.0053	0.0551
321	8.37	8.15	4.8977	2.7948	-0.0093	7.6831	0.0642	-0.006	-0.0035	0.0547
322	8.59	8.17	4.8977	2.7954	-0.0092	7.6839	0.0595	-0.0057	-0.0029	0.0509
323	8.12	8.2	4.8974	2.7959	-0.009	7.6842	0.0594	-0.0023	-0.0027	0.0544
324	8.21	8.2	4.8971	2.7961	-0.0088	7.6844	0.0621	-0.0051	-0.0027	0.0542

325	8.62	8.18	4.8971	2.7964	-0.0089	7.6846	0.0599	-0.0071	-0.0023	0.0505
326	8.66	8.19	4.8973	2.7967	-0.0087	7.6853	0.06	-0.01	-0.0049	0.045
327	8.89	8.22	4.8965	2.7965	-0.0086	7.6844	0.0558	-0.0117	-0.0067	0.0374
328	8.69	8.25	4.8958	2.7968	-0.0086	7.6839	0.0587	-0.012	-0.0064	0.0402
329	8.48	8.27	4.8953	2.7967	-0.0086	7.6834	0.0609	-0.0121	-0.0065	0.0423
330	8.02	8.28	4.8952	2.7968	-0.0085	7.6835	0.0662	-0.0169	-0.0058	0.0435
331	8.19	8.31	4.8952	2.7967	-0.0085	7.6834	0.077	-0.0148	-0.006	0.0561
332	8.11	8.33	4.8954	2.7965	-0.0085	7.6834	0.0898	-0.0084	-0.0068	0.0746
333	7.72	8.35	4.8952	2.7962	-0.0085	7.683	0.0893	-0.0126	-0.0079	0.0688
334	7.98	8.38	4.8949	2.7965	-0.0084	7.683	0.0925	-0.0103	-0.0077	0.0746
335	8.23	8.4	4.8943	2.7965	-0.0083	7.6825	0.0969	-0.0122	-0.0056	0.0791
336	7.79	8.42	4.894	2.7961	-0.0084	7.6817	0.1026	-0.0149	-0.0079	0.0799
337	7.88	8.41	4.8938	2.7955	-0.0084	7.6809	0.1037	-0.0137	-0.007	0.0829
338	8.25	8.4	4.8938	2.7953	-0.0085	7.6805	0.1078	-0.0122	-0.0079	0.0877
339	8.49	8.42	4.894	2.795	-0.0086	7.6805	0.1122	-0.013	-0.009	0.0902
340	9.03	8.47	4.8938	2.7944	-0.0088	7.6794	0.1086	-0.0094	-0.0095	0.0896
341	8.84	8.51	4.8937	2.7942	-0.0088	7.6791	0.1076	-0.0065	-0.0085	0.0926
342	8.59	8.53	4.8938	2.7943	-0.0086	7.6794	0.1001	0.001	-0.0078	0.0933
343	8.71	8.57	4.8939	2.7942	-0.0085	7.6796	0.0973	0.0045	-0.006	0.0958
344	8.97	8.62	4.8938	2.7945	-0.0086	7.6797	0.0941	0.0113	-0.0052	0.1002
345	9.15	8.64	4.8941	2.7947	-0.0087	7.6801	0.0927	0.0122	-0.006	0.0989
346	8.59	8.68	4.8941	2.7948	-0.0087	7.6802	0.0873	0.0121	-0.0071	0.0923
347	8.59	8.7	4.8942	2.7948	-0.0087	7.6803	0.0922	0.0138	-0.0078	0.0982
348	8.9	8.7	4.8945	2.7947	-0.0086	7.6806	0.0976	0.0134	-0.0061	0.1049
349	8.91	8.65	4.8946	2.795	-0.0087	7.6809	0.1034	0.0068	-0.007	0.1032
350	9.05	8.63	4.8947	2.7951	-0.0087	7.6811	0.1151	0.0021	-0.0077	0.1095
351	8.43	8.61	4.8948	2.7948	-0.0088	7.6809	0.12	0.0014	-0.0072	0.1142
352	8.52	8.59	4.8949	2.795	-0.0087	7.6811	0.125	0.0036	-0.007	0.1216
353	8.9	8.59	4.8945	2.7952	-0.0087	7.681	0.1315	0.0047	-0.0068	0.1295
354	8.5	8.55	4.8936	2.7953	-0.0086	7.6802	0.1277	0.0086	-0.0074	0.1289
355	8.54	8.52	4.8926	2.7952	-0.0085	7.6793	0.1235	0.0119	-0.0054	0.1299
356	8.38	8.53	4.8915	2.7952	-0.0084	7.6782	0.1156	0.0073	-0.0031	0.1198
357	8.13	8.54	4.8907	2.7952	-0.0085	7.6774	0.117	0.0102	-0.0036	0.1236
358	7.69	8.54	4.8908	2.7943	-0.0084	7.6767	0.118	0.0114	-0.0025	0.1269
359	8.58	8.54	4.8915	2.794	-0.0084	7.6771	0.1208	0.0084	-0.0029	0.1263
360	8.36	8.53	4.8917	2.7939	-0.0083	7.6772	0.1221	0.004	-0.0025	0.1236
361	8.37	8.55	4.8914	2.7938	-0.0083	7.6769	0.1222	0.0013	-0.0003	0.1233

362	8.61	8.56	4.8913	2.7939	-0.0082	7.677	0.1298	0.0054	0.0004	0.1356
363	8.26	8.54	4.891	2.7939	-0.0081	7.6768	0.1344	0.0112	0.0032	0.1488
364	8.47	8.56	4.8905	2.7944	-0.0081	7.6768	0.1381	0.0124	0.0083	0.1588
365	8.95	8.55	4.8904	2.795	-0.008	7.6773	0.1424	0.0183	0.009	0.1696
366	8.66	8.58	4.8906	2.7951	-0.008	7.6777	0.1428	0.0257	0.0072	0.1757
367	8.89	8.63	4.8906	2.795	-0.0081	7.6775	0.14	0.0346	0.0087	0.1833
368	8.99	8.66	4.8905	2.7952	-0.0082	7.6775	0.1333	0.0399	0.0067	0.1799
369	8.8	8.66	4.8908	2.7953	-0.0082	7.6779	0.1293	0.0469	0.0028	0.179
370	8.91	8.67	4.8909	2.7953	-0.0082	7.678	0.1305	0.0483	0.0001	0.1788
371	8.65	8.67	4.8911	2.7958	-0.0082	7.6787	0.1381	0.0451	-0.0021	0.1811
372	8.54	8.66	4.8911	2.7956	-0.0083	7.6784	0.1454	0.0422	-0.0017	0.186
373	8.82	8.67	4.891	2.7957	-0.0084	7.6783	0.1457	0.0482	0.0021	0.196
374	8.45	8.67	4.8911	2.7957	-0.0085	7.6783	0.1454	0.0544	0.0055	0.2052
375	8.88	8.63	4.8911	2.7956	-0.0085	7.6783	0.1423	0.0587	0.0097	0.2107
376	9.04	8.62	4.8914	2.7954	-0.0084	7.6784	0.1429	0.0634	0.0122	0.2185
377	8.3	8.61	4.8911	2.7954	-0.0084	7.6781	0.144	0.0618	0.0154	0.2211
378	8.6	8.59	4.8908	2.7953	-0.0084	7.6776	0.1371	0.0553	0.0172	0.2096
379	8.55	8.58	4.8901	2.7954	-0.0085	7.677	0.1307	0.0617	0.0146	0.207
380	8.4	8.55	4.8889	2.7952	-0.0085	7.6756	0.1297	0.0622	0.0125	0.2044
381	8.35	8.55	4.8877	2.7948	-0.0085	7.674	0.1298	0.0602	0.011	0.201
382	8.45	8.55	4.8877	2.7949	-0.0085	7.6741	0.1292	0.0556	0.0129	0.1977
383	8.43	8.54	4.8874	2.7949	-0.0085	7.6738	0.1308	0.0501	0.0147	0.1956
384	8.26	8.53	4.8871	2.795	-0.0087	7.6735	0.129	0.0457	0.0134	0.1881
385	8.55	8.53	4.8867	2.795	-0.0085	7.6732	0.1257	0.0518	0.012	0.1894
386	8.64	8.52	4.8865	2.795	-0.0085	7.6731	0.1197	0.0551	0.0139	0.1887
387	8.62	8.55	4.8862	2.7952	-0.0084	7.6729	0.114	0.0509	0.0151	0.18
388	8.53	8.57	4.8858	2.7954	-0.0084	7.6728	0.1098	0.0523	0.0159	0.178
389	8.38	8.62	4.8862	2.7954	-0.0084	7.6731	0.1041	0.0527	0.0139	0.1707
390	8.71	8.66	4.8863	2.7954	-0.0085	7.6732	0.1055	0.0518	0.0091	0.1664
391	8.42	8.71	4.8869	2.7952	-0.0086	7.6736	0.1055	0.0449	0.0041	0.1546
392	8.68	8.72	4.8865	2.7953	-0.0088	7.673	0.1087	0.0435	0.0034	0.1557
393	8.35	8.77	4.8863	2.7949	-0.0089	7.6724	0.1103	0.0414	0.0045	0.1562
394	8.83	8.78	4.8867	2.7945	-0.0087	7.6725	0.1104	0.0337	0.0085	0.1526
395	8.82	8.8	4.8876	2.7944	-0.0087	7.6733	0.1093	0.0314	0.0101	0.1508
396	8.83	8.85	4.8874	2.7944	-0.0087	7.6731	0.1159	0.0328	0.0101	0.1588
397	8.94	8.87	4.8872	2.7945	-0.0087	7.6731	0.1151	0.0289	0.011	0.155
398	9.48	8.89	4.887	2.7948	-0.0087	7.6731	0.1171	0.0268	0.011	0.1549

399	9.29	8.93	4.8861	2.795	-0.0086	7.6725	0.1203	0.0242	0.0119	0.1564
400	9.26	8.97	4.8855	2.7953	-0.0087	7.6721	0.1219	0.0281	0.0101	0.1601
401	8.73	8.99	4.885	2.7953	-0.0087	7.6716	0.1211	0.0309	0.0081	0.1601
402	9.31	9.02	4.8846	2.795	-0.0088	7.6708	0.1204	0.0231	0.0079	0.1514
403	8.53	9.06	4.885	2.7945	-0.009	7.6705	0.1199	0.0212	0.0097	0.1509
404	8.92	9.05	4.8855	2.794	-0.0093	7.6702	0.1176	0.0233	0.0123	0.1533
405	9.44	9.05	4.886	2.794	-0.0095	7.6705	0.1086	0.0254	0.0121	0.1462
406	9.13	9.05	4.8859	2.7934	-0.0095	7.6697	0.096	0.0245	0.0135	0.134
407	8.81	9.05	4.8858	2.793	-0.0096	7.6692	0.0808	0.0267	0.0112	0.1187
408	9.23	9.03	4.8851	2.7928	-0.0096	7.6683	0.0718	0.0281	0.0071	0.1069
409	9.42	9.02	4.8846	2.7926	-0.0097	7.6676	0.075	0.0207	0.008	0.1037
410	8.85	9.02	4.8844	2.7923	-0.0098	7.6669	0.0819	0.0141	0.0081	0.1041
411	9.11	9.02	4.8837	2.7915	-0.0097	7.6655	0.0837	0.0098	0.0093	0.1029
412	9.16	8.99	4.8831	2.7911	-0.0097	7.6646	0.0844	0.0084	0.0106	0.1035
413	8.61	8.98	4.8831	2.7909	-0.0098	7.6642	0.0855	0.0095	0.0128	0.1078
414	8.98	8.95	4.8834	2.7904	-0.0099	7.6639	0.0861	0.0108	0.0146	0.1115
415	8.81	8.89	4.8835	2.7899	-0.0098	7.6636	0.0868	0.0166	0.015	0.1185
416	8.89	8.82	4.8837	2.7893	-0.0099	7.6631	0.0897	0.0263	0.0156	0.1316
417	9	8.79	4.8839	2.7891	-0.0097	7.6634	0.0966	0.025	0.0151	0.1367
418	9.2	8.7	4.884	2.7888	-0.0094	7.6634	0.0992	0.028	0.0132	0.1404
419	9.15	8.61	4.8838	2.7894	-0.0092	7.664	0.0973	0.0264	0.0122	0.1359
420	8.77	8.55	4.8834	2.7901	-0.0091	7.6643	0.1022	0.024	0.0125	0.1386
421	8.71	8.47	4.8831	2.7906	-0.0092	7.6645	0.1056	0.0238	0.0155	0.1448
422	8.47	8.41	4.8831	2.7906	-0.0094	7.6643	0.1097	0.0285	0.0162	0.1544
423	8.24	8.38	4.8828	2.7904	-0.0096	7.6637	0.1114	0.0285	0.0129	0.1528
424	8.36	8.36	4.8829	2.7902	-0.0098	7.6633	0.115	0.026	0.0102	0.1511
425	7.85	8.35	4.8828	2.79	-0.0101	7.6627	0.118	0.024	0.0084	0.1504
426	8.12	8.36	4.8829	2.7905	-0.0102	7.6632	0.1159	0.0187	0.0084	0.143
427	7.65	8.36	4.8828	2.7909	-0.0103	7.6634	0.12	0.0138	0.0082	0.1419
428	7.71	8.34	4.8827	2.7906	-0.0101	7.6632	0.1215	0.009	0.008	0.1385
429	7.62	8.34	4.8824	2.7904	-0.0098	7.663	0.1216	0.0066	0.009	0.1371
430	7.61	8.38	4.8823	2.7908	-0.0096	7.6634	0.1145	0.0063	0.0093	0.1301
431	8.03	8.43	4.8822	2.7912	-0.0098	7.6636	0.1022	0.0038	0.0098	0.1159
432	8.13	8.51	4.8823	2.7914	-0.01	7.6638	0.0893	0.0026	0.0087	0.1006
433	8.59	8.58	4.8823	2.7917	-0.0098	7.6641	0.0848	0.0046	0.0076	0.0971
434	8.6	8.65	4.8823	2.7913	-0.0096	7.664	0.0834	0.006	0.0071	0.0966
435	8.98	8.74	4.8823	2.791	-0.0097	7.6636	0.0846	0.009	0.0071	0.1007

436	9.02	8.84	4.8826	2.791	-0.0099	7.6637	0.0845	0.0084	0.009	0.1019
437	8.87	8.96	4.8828	2.7903	-0.01	7.6631	0.0863	0.0077	0.009	0.103
438	9.18	9.05	4.8834	2.79	-0.0099	7.6635	0.0911	0.0102	0.0095	0.1109
439	9.47	9.12	4.8835	2.7898	-0.0095	7.6638	0.0957	0.0101	0.0109	0.1167
440	9.71	9.2	4.8833	2.7899	-0.0092	7.664	0.097	0.0125	0.012	0.1215
441	9.93	9.28	4.8828	2.7898	-0.0091	7.6635	0.1051	0.0116	0.0122	0.1289
442	9.55	9.36	4.8828	2.7901	-0.0091	7.6638	0.1202	0.0075	0.0111	0.1388
443	9.68	9.41	4.8829	2.7908	-0.0094	7.6643	0.1172	0.006	0.009	0.1321
444	9.59	9.44	4.8829	2.7913	-0.0096	7.6646	0.121	0.0025	0.0086	0.1321
445	10	9.46	4.8825	2.7914	-0.0097	7.6642	0.1283	-0.0027	0.0115	0.1371
446	9.93	9.51	4.8826	2.7919	-0.0098	7.6647	0.1361	-0.0057	0.0126	0.143
447	9.51	9.54	4.8825	2.7921	-0.0098	7.6648	0.1223	-0.0067	0.0127	0.1283
448	8.86	9.57	4.8825	2.7923	-0.0098	7.665	0.118	-0.0057	0.014	0.1263
449	9.1	9.59	4.8824	2.7921	-0.0097	7.6649	0.1123	-0.0028	0.0132	0.1227
450	9.7	9.6	4.8826	2.792	-0.0095	7.6651	0.1067	-0.0015	0.0137	0.1188
451	9.6	9.6	4.8828	2.7925	-0.0096	7.6657	0.0949	-0.0016	0.0122	0.1054
452	9.5	9.63	4.8829	2.7929	-0.0097	7.6661	0.0951	-0.0034	0.0119	0.1036
453	9.26	9.63	4.8827	2.7929	-0.0099	7.6656	0.0983	-0.0026	0.01	0.1057
454	9.34	9.63	4.8828	2.7927	-0.0098	7.6656	0.1133	-0.0033	0.0081	0.1181
455	9.91	9.63	4.883	2.7927	-0.0098	7.6659	0.1264	-0.0001	0.008	0.1342
456	9.39	9.64	4.8834	2.7925	-0.0095	7.6664	0.1354	0.0064	0.0085	0.1503
457	9.89	9.66	4.8835	2.7924	-0.0092	7.6667	0.1362	0.0042	0.0086	0.1491
458	9.79	9.69	4.8833	2.7922	-0.0092	7.6663	0.1359	0.0098	0.0088	0.1546
459	9.94	9.71	4.8833	2.7926	-0.0092	7.6667	0.1273	0.0116	0.0096	0.1484
460	9.93	9.72	4.8833	2.7929	-0.0092	7.6669	0.121	0.0128	0.0093	0.1431
461	9.99	9.72	4.883	2.793	-0.0093	7.6666	0.1229	0.0141	0.0064	0.1434
462	9.67	9.76	4.8827	2.7929	-0.0095	7.6662	0.1194	0.0162	0.0038	0.1395
463	9.72	9.77	4.8824	2.7929	-0.0096	7.6657	0.1183	0.0102	0.0028	0.1313
464	9.96	9.79	4.8819	2.7927	-0.0096	7.665	0.1157	0.0071	-0.001	0.1217
465	10.1	9.79	4.8814	2.7924	-0.0096	7.6642	0.1163	0.0023	-0.0023	0.1163
466	10	9.82	4.8809	2.7926	-0.0095	7.664	0.1182	-0.0043	-0.0041	0.1098
467	9.38	9.81	4.8807	2.7922	-0.0094	7.6635	0.1149	-0.0145	-0.0071	0.0933
468	9.52	9.83	4.8808	2.7925	-0.0094	7.6639	0.1087	-0.0202	-0.0054	0.083
469	9.78	9.86	4.8806	2.7929	-0.0094	7.664	0.1104	-0.0237	-0.0021	0.0847
470	9.73	9.86	4.8804	2.7929	-0.0097	7.6636	0.1119	-0.0153	0.0009	0.0975
471	10.1	9.82	4.8801	2.7929	-0.0098	7.6632	0.1065	-0.0059	0.0019	0.1025
472	9.58	9.82	4.8799	2.7928	-0.0096	7.6631	0.0963	-0.0001	0.003	0.0993

473	9.76	9.83	4.8795	2.7931	-0.0094	7.6631	0.0893	0.0031	0.0015	0.0938
474	9.74	9.85	4.8793	2.7933	-0.0093	7.6632	0.0759	0.0012	0	0.077
475	10	9.85	4.8795	2.7937	-0.0093	7.664	0.07	-0.0013	-0.0038	0.0648
476	9.79	9.84	4.8794	2.7941	-0.0092	7.6642	0.0634	-0.0051	-0.0061	0.0522
477	10	9.86	4.8789	2.7945	-0.0092	7.6642	0.0608	-0.0009	-0.007	0.0529
478	10.7	9.88	4.8786	2.7946	-0.0093	7.6639	0.061	0.0047	-0.0067	0.059
479	9.79	9.88	4.8786	2.7948	-0.0094	7.664	0.0639	0.0014	-0.0036	0.0616
480	9.3	9.89	4.8787	2.7948	-0.0095	7.664	0.0558	0.0011	-0.0018	0.0551
481	9.58	9.91	4.8788	2.7945	-0.0094	7.6639	0.0509	0.0041	0	0.055
482	10	9.95	4.8792	2.7944	-0.0093	7.6644	0.0504	0.0087	-0.0011	0.0579
483	10.3	9.98	4.8791	2.7943	-0.0092	7.6642	0.0506	0.0106	-0.0018	0.0593
484	10.1	10	4.8787	2.7941	-0.0094	7.6634	0.0512	0.0126	-0.0023	0.0615
485	9.7	10	4.8783	2.7942	-0.0094	7.663	0.0499	0.0114	-0.0011	0.0602
486	9.87	10.1	4.8779	2.7943	-0.0094	7.6628	0.0483	0.0092	-0.001	0.0565
487	9.94	10.1	4.877	2.7941	-0.0094	7.6618	0.056	0.0097	-0.0033	0.0624
488	9.75	10.1	4.8763	2.7944	-0.0095	7.6611	0.0657	0.0023	-0.0053	0.0627
489	9.82	10.1	4.8765	2.7941	-0.0096	7.661	0.0672	0.0036	-0.0053	0.0655
490	10.5	10.2	4.8758	2.7942	-0.0097	7.6603	0.0675	0.0018	-0.0024	0.0669
491	10.3	10.2	4.8749	2.7945	-0.0097	7.6597	0.0657	0.0032	0.0005	0.0695
492	10.3	10.2	4.8748	2.7947	-0.0097	7.6598	0.0615	0.0006	0.0027	0.0649
493	10.5	10.2	4.8742	2.7947	-0.0097	7.6592	0.0635	-0.0002	0.0038	0.067
494	10.3	10.2	4.8739	2.7947	-0.0098	7.6588	0.0641	0.0051	0.002	0.0713
495	10.4	10.2	4.874	2.795	-0.01	7.659	0.064	0.0073	0.0012	0.0725
496	10.8	10.1	4.8752	2.795	-0.0099	7.6603	0.0624	0.0051	-0.001	0.0665
497	10.7	10.1	4.8754	2.7951	-0.0101	7.6604	0.065	0.0109	-0.003	0.0728
498	10.4	10	4.8757	2.7951	-0.01	7.6608	0.0745	0.0124	-0.0035	0.0835
499	9.98	10	4.8754	2.7952	-0.01	7.6606	0.0946	0.0147	-0.0053	0.1039
500	9.99	9.93	4.876	2.7955	-0.0099	7.6616	0.1026	0.012	-0.0051	0.1096
501	9.9	9.89	4.8755	2.7956	-0.0099	7.6613	0.1035	0.0099	-0.0039	0.1096
502	10.4	9.82	4.8748	2.7953	-0.0098	7.6602	0.0981	0.0112	-0.0039	0.1054
503	9.93	9.77	4.8737	2.7949	-0.0098	7.6587	0.0914	0.0127	-0.0033	0.1008
504	9.31	9.74	4.8728	2.794	-0.0101	7.6568	0.0896	0.0127	-0.0053	0.0969
505	9.09	9.72	4.8725	2.7933	-0.0103	7.6555	0.0931	0.0147	-0.0062	0.1015
506	9.04	9.68	4.8723	2.7929	-0.0104	7.6548	0.1051	0.0159	-0.0051	0.116
507	9.09	9.62	4.8722	2.7921	-0.0105	7.6537	0.1108	0.0141	0.0008	0.1257
508	9.31	9.58	4.8724	2.7916	-0.0106	7.6534	0.1154	0.0139	0.0052	0.1346
509	9.04	9.54	4.8725	2.7914	-0.0106	7.6533	0.122	0.0127	0.0068	0.1416

510	9.45	9.48	4.8721	2.7908	-0.0104	7.6526	0.1427	0.0187	0.006	0.1673
511	9.01	9.44	4.8718	2.7899	-0.0101	7.6516	0.1506	0.0258	0.0057	0.1822
512	9.49	9.35	4.8713	2.7901	-0.01	7.6514	0.1579	0.0307	0.0051	0.1937
513	9.8	9.27	4.8715	2.7902	-0.0097	7.652	0.1712	0.0332	0.0056	0.21
514	9.92	9.22	4.8718	2.7901	-0.0097	7.6523	0.1778	0.0355	0.0054	0.2188
515	10.1	9.17	4.8717	2.7904	-0.0094	7.6526	0.1807	0.0364	0.0028	0.22
516	9.67	9.11	4.8722	2.7907	-0.0092	7.6537	0.1804	0.0404	-0.0005	0.2203
517	9.53	9.07	4.873	2.7911	-0.0091	7.655	0.1774	0.04	-0.001	0.2163
518	9.26	9.02	4.873	2.7911	-0.0092	7.6549	0.183	0.033	0.001	0.217
519	8.81	9	4.8726	2.791	-0.0093	7.6542	0.1924	0.0309	0.0043	0.2276
520	9.22	8.93	4.8727	2.7907	-0.0093	7.6541	0.1962	0.0312	0.0069	0.2343
521	8.59	8.9	4.8735	2.7906	-0.0095	7.6546	0.1973	0.0317	0.0061	0.2351
522	8.47	8.85	4.8742	2.7903	-0.0096	7.6549	0.1991	0.0311	0.0071	0.2372
523	8.26	8.8	4.8752	2.7903	-0.0096	7.656	0.2038	0.0351	0.0108	0.2496
524	8.21	8.75	4.8759	2.7903	-0.0094	7.6568	0.2066	0.0416	0.0141	0.2623
525	7.92	8.68	4.8765	2.7905	-0.0095	7.6575	0.2098	0.043	0.0163	0.2691
526	8.29	8.62	4.8768	2.7906	-0.0095	7.6579	0.2171	0.0466	0.0185	0.2821
527	8.44	8.57	4.8767	2.7904	-0.0096	7.6575	0.2215	0.0504	0.0206	0.2926
528	8.5	8.55	4.8763	2.7904	-0.0097	7.657	0.2193	0.0528	0.0237	0.2958
529	8.28	8.56	4.8768	2.7903	-0.0096	7.6575	0.218	0.055	0.024	0.2971
530	8.38	8.57	4.8772	2.7904	-0.0096	7.6579	0.2199	0.059	0.0236	0.3025
531	8.53	8.61	4.8772	2.7903	-0.0097	7.6578	0.219	0.0573	0.0196	0.296
532	8.77	8.7	4.8773	2.7904	-0.0098	7.6579	0.2207	0.0489	0.018	0.2876
533	9.07	8.82	4.8772	2.7904	-0.0096	7.658	0.225	0.0456	0.018	0.2887
534	8.75	8.96	4.8773	2.7902	-0.0095	7.658	0.2236	0.045	0.0185	0.287
535	8.56	9.08	4.8775	2.7901	-0.0096	7.658	0.2214	0.0439	0.0184	0.2837
536	8.49	9.2	4.877	2.79	-0.0096	7.6575	0.2229	0.0443	0.0193	0.2864
537	8.97	9.31	4.8762	2.79	-0.0095	7.6568	0.221	0.0486	0.0214	0.2911
538	8.97	9.43	4.8766	2.7897	-0.0094	7.6569	0.2117	0.0507	0.0228	0.2852
539	9.33	9.56	4.8767	2.7897	-0.0092	7.6572	0.2044	0.0555	0.0203	0.2802
540	9.39	9.68	4.8767	2.7896	-0.0093	7.657	0.2079	0.0521	0.0209	0.2808
541	10.1	9.8	4.8766	2.7898	-0.0094	7.657	0.206	0.0513	0.021	0.2784
542	10.6	9.93	4.8764	2.7901	-0.0095	7.6571	0.2002	0.0569	0.021	0.2781
543	10.8	10	4.8765	2.7903	-0.0096	7.6572	0.1995	0.0616	0.021	0.2821
544	10.3	10.2	4.8765	2.7906	-0.0097	7.6574	0.1959	0.0621	0.0198	0.2778
545	10.5	10.3	4.8763	2.7909	-0.0096	7.6576	0.1917	0.0582	0.0169	0.2668
546	10.7	10.4	4.8761	2.7908	-0.0095	7.6574	0.191	0.064	0.016	0.2709

547	10.7	10.5	4.875	2.7909	-0.0094	7.6565	0.1999	0.0679	0.0146	0.2824
548	10.8	10.6	4.873	2.7908	-0.0093	7.6546	0.2	0.0694	0.0106	0.2799
549	10.6	10.7	4.8722	2.7909	-0.0092	7.6539	0.2011	0.0714	0.0084	0.2809
550	10.8	10.8	4.8723	2.791	-0.0091	7.6541	0.198	0.0753	0.0072	0.2806
551	11.3	10.8	4.873	2.7914	-0.0092	7.6552	0.2039	0.0799	0.0062	0.2901
552	11	10.9	4.8737	2.7916	-0.0093	7.656	0.1992	0.0795	0.0061	0.2849
553	11.2	11	4.8737	2.7916	-0.0094	7.6559	0.1918	0.0746	0.0071	0.2734
554	11.3	11.1	4.8734	2.7913	-0.0092	7.6555	0.1821	0.0705	0.008	0.2605
555	10.7	11.2	4.8725	2.7911	-0.0093	7.6543	0.1728	0.0608	0.008	0.2417
556	10.6	11.3	4.8723	2.7911	-0.0096	7.6538	0.1687	0.0532	0.0062	0.2281
557	11.2	11.4	4.872	2.791	-0.0097	7.6532	0.1662	0.0527	0.0046	0.2235
558	11.3	11.5	4.8711	2.791	-0.0099	7.6522	0.1677	0.0467	0.0027	0.2171
559	10.7	11.6	4.8691	2.7907	-0.0098	7.65	0.1722	0.0418	0.0026	0.2166
560	10.8	11.7	4.8682	2.7903	-0.0098	7.6487	0.173	0.0386	0.003	0.2146
561	11.8	11.7	4.8672	2.7899	-0.0098	7.6472	0.1709	0.0272	0.0025	0.2006
562	12.1	11.7	4.8656	2.7896	-0.01	7.6452	0.1688	0.0083	0.0033	0.1804
563	12.5	11.7	4.8646	2.7893	-0.0101	7.6438	0.1651	0.0053	0.0032	0.1736
564	12.7	11.8	4.8638	2.7891	-0.0099	7.643	0.1703	-0.0002	0.0081	0.1781
565	13.4	11.8	4.8633	2.7883	-0.0095	7.6421	0.1715	-0.0034	0.0093	0.1774
566	12.7	11.8	4.8632	2.7886	-0.0094	7.6424	0.1697	-0.0069	0.0109	0.1737
567	12.5	11.9	4.8624	2.7889	-0.0095	7.6418	0.1754	-0.006	0.0137	0.1831
568	11.9	11.9	4.8615	2.7894	-0.0098	7.6412	0.1795	-0.0041	0.0141	0.1895
569	11.7	12	4.8609	2.7898	-0.0101	7.6406	0.1718	-0.0036	0.0135	0.1817
570	11.7	12	4.8606	2.7898	-0.0104	7.64	0.1657	-0.0065	0.0132	0.1724
571	11.7	12	4.8602	2.7898	-0.0105	7.6395	0.1683	-0.011	0.0138	0.1711
572	11.7	12	4.8595	2.7893	-0.0107	7.6381	0.1774	-0.0142	0.0108	0.174
573	11.8	11.9	4.8588	2.7889	-0.0109	7.6369	0.1872	-0.017	0.009	0.1792
574	11.5	11.9	4.8583	2.789	-0.011	7.6363	0.2012	-0.0133	0.011	0.1989
575	11.5	11.8	4.8578	2.7891	-0.0111	7.6358	0.212	-0.0097	0.0128	0.2152
576	11.7	11.7	4.8572	2.789	-0.0113	7.6349	0.2252	-0.0076	0.01	0.2276
577	11.7	11.7	4.857	2.7892	-0.0116	7.6346	0.2427	-0.008	0.0098	0.2445
578	11.9	11.7	4.8568	2.7891	-0.0117	7.6342	0.2455	-0.0091	0.0098	0.2463
579	11.6	11.7	4.8566	2.7889	-0.0118	7.6338	0.2427	-0.0065	0.01	0.2462
580	11.6	11.6	4.8568	2.7891	-0.0114	7.6344	0.246	-0.0047	0.0106	0.2519
581	11.5	11.6	4.8567	2.7897	-0.0112	7.6352	0.2492	-0.0049	0.011	0.2553
582	11.8	11.6	4.8567	2.7899	-0.0111	7.6355	0.2531	-0.0043	0.009	0.2577
583	11.8	11.5	4.8567	2.7898	-0.0111	7.6355	0.2544	0	0.0086	0.263

584	11.8	11.5	4.8565	2.7897	-0.0112	7.635	0.253	0.0026	0.0109	0.2666
585	11.7	11.5	4.856	2.7897	-0.0113	7.6344	0.2524	0.0045	0.0137	0.2705
586	11.9	11.4	4.8558	2.7894	-0.0115	7.6337	0.2497	0.0088	0.012	0.2705
587	11.1	11.4	4.8559	2.7891	-0.0117	7.6333	0.2393	0.0195	0.0111	0.2699
588	11.6	11.4	4.8558	2.7888	-0.0115	7.6331	0.2344	0.0196	0.0102	0.2642
589	10.8	11.3	4.8557	2.7889	-0.0117	7.6329	0.2373	0.02	0.0104	0.2678
590	10.9	11.3	4.8552	2.7891	-0.0118	7.6325	0.2365	0.0268	0.0115	0.2749
591	11.1	11.2	4.8549	2.7888	-0.0118	7.6319	0.2384	0.0243	0.0105	0.2733
592	11.5	11.2	4.8548	2.7885	-0.0118	7.6316	0.2388	0.0253	0.0083	0.2724
593	10.9	11.1	4.8546	2.7885	-0.0117	7.6314	0.2368	0.029	0.0072	0.273
594	11.3	11.1	4.8547	2.7889	-0.0115	7.6321	0.2383	0.0295	0.0054	0.2732
595	10.9	11	4.8549	2.7886	-0.0116	7.6319	0.2382	0.0288	0.0064	0.2734
596	11	11	4.8552	2.7882	-0.0114	7.6321	0.2351	0.0283	0.0081	0.2714
597	11	11	4.8554	2.7881	-0.0111	7.6324	0.233	0.0281	0.008	0.2692
598	10.4	10.9	4.8556	2.788	-0.0109	7.6327	0.2246	0.0244	0.0105	0.2595
599	10.9	10.9	4.8556	2.7877	-0.0107	7.6326	0.2067	0.0189	0.0126	0.2382
600	10.6	10.9	4.8556	2.7875	-0.0105	7.6326	0.2012	0.0186	0.015	0.2348
601	11.2	10.8	4.8556	2.7877	-0.0105	7.6328	0.2043	0.0211	0.0158	0.2412
602	10.6	10.8	4.8556	2.7878	-0.0105	7.6329	0.2121	0.0191	0.0168	0.248
603	10.8	10.7	4.8555	2.7878	-0.0106	7.6327	0.2187	0.0205	0.0166	0.2558
604	10.9	10.6	4.8555	2.7879	-0.0108	7.6326	0.22	0.0202	0.0176	0.2578
605	11.3	10.6	4.8556	2.788	-0.011	7.6327	0.2174	0.0156	0.0204	0.2534
606	11.1	10.5	4.8557	2.7877	-0.0109	7.6325	0.2068	0.0148	0.0193	0.2409
607	10.3	10.4	4.8554	2.7874	-0.0108	7.632	0.2058	0.0142	0.0168	0.2368
608	10.1	10.4	4.8552	2.7874	-0.0109	7.6318	0.2034	0.013	0.0185	0.235
609	10.3	10.4	4.8552	2.7875	-0.0109	7.6318	0.193	0.0087	0.0182	0.2198
610	10.3	10.3	4.855	2.7881	-0.0107	7.6325	0.1756	0.0104	0.017	0.203
611	10.5	10.2	4.8549	2.7891	-0.0104	7.6336	0.1674	0.0089	0.0174	0.1937
612	10.4	10.1	4.8548	2.7896	-0.0103	7.6341	0.1534	0.0095	0.0183	0.1811
613	9.42	10.1	4.8545	2.7902	-0.0105	7.6342	0.1366	0.0117	0.0159	0.1642
614	9.93	9.99	4.8546	2.7905	-0.0106	7.6345	0.1253	0.0124	0.015	0.1527
615	9.71	9.93	4.8547	2.791	-0.0105	7.6353	0.1201	0.0132	0.0167	0.1499
616	9.6	9.89	4.8546	2.7913	-0.0105	7.6354	0.1137	0.0079	0.0189	0.1405
617	9.89	9.86	4.8551	2.7916	-0.0106	7.6361	0.1101	0.0135	0.0192	0.1428
618	9.63	9.89	4.8558	2.7915	-0.0105	7.6367	0.102	0.0156	0.0172	0.1347
619	9.38	9.88	4.856	2.7916	-0.0107	7.637	0.0943	0.0186	0.0137	0.1266
620	9.45	9.87	4.8559	2.7918	-0.0107	7.637	0.0865	0.0218	0.0096	0.1179

621	9.4	9.84	4.8558	2.792	-0.0106	7.6372	0.0851	0.0231	0.0065	0.1148
622	9.29	9.82	4.8555	2.792	-0.0105	7.637	0.0797	0.0279	0.0056	0.1132
623	9.81	9.87	4.8551	2.7916	-0.0107	7.6361	0.0711	0.0257	0.0043	0.1012
624	10.1	9.9	4.8547	2.7913	-0.0107	7.6353	0.0669	0.0218	0.0028	0.0914
625	10.3	9.94	4.8539	2.7913	-0.0105	7.6348	0.0647	0.0206	0.0004	0.0857
626	9.81	9.96	4.8525	2.7914	-0.0105	7.6334	0.0618	0.0212	-0.0015	0.0816
627	10.6	9.95	4.8522	2.7914	-0.0106	7.6329	0.0578	0.0178	-0.0022	0.0734
628	10.1	9.95	4.852	2.7911	-0.0107	7.6324	0.0571	0.0178	-0.0041	0.0708
629	10.1	9.98	4.8522	2.7908	-0.0107	7.6323	0.0535	0.0177	-0.0028	0.0684
630	9.97	10	4.8522	2.7909	-0.0107	7.6324	0.0554	0.0153	-0.001	0.0697
631	10	10	4.8519	2.7908	-0.0106	7.6321	0.0578	0.018	0.0044	0.0803
632	10.3	10	4.8518	2.7904	-0.0106	7.6316	0.055	0.0215	0.0073	0.0838
633	10.5	10	4.8519	2.7901	-0.0107	7.6313	0.0535	0.021	0.0084	0.0829
634	10.5	9.99	4.8521	2.7897	-0.0109	7.6309	0.0493	0.0142	0.0083	0.0717
635	10.1	9.96	4.8525	2.7892	-0.0108	7.6309	0.0462	0.0126	0.008	0.0668
636	9.68	9.94	4.8531	2.7881	-0.0107	7.6305	0.0412	0.0114	0.0067	0.0593
637	9.58	9.9	4.8528	2.7881	-0.0105	7.6304	0.0396	0.0068	0.0041	0.0506
638	10	9.85	4.8529	2.7877	-0.0104	7.6302	0.0408	0.0011	0.0012	0.0431
639	9.69	9.84	4.8531	2.787	-0.0104	7.6297	0.0423	-0.0029	0.0029	0.0423
640	9.66	9.79	4.8529	2.7871	-0.0103	7.6297	0.0407	-0.003	0.0021	0.0397
641	9.51	9.71	4.8527	2.7873	-0.0102	7.6298	0.0357	-0.0019	0.001	0.0348
642	9.74	9.64	4.8528	2.7872	-0.0102	7.6298	0.0339	-0.0078	0.001	0.027
643	9.65	9.56	4.8527	2.7873	-0.0101	7.6299	0.0353	-0.0135	0.0001	0.0219
644	9.77	9.49	4.8527	2.7877	-0.0103	7.6301	0.0332	-0.0132	-0.0002	0.0199
645	9.43	9.41	4.8528	2.7881	-0.0104	7.6304	0.03	-0.0136	0.0007	0.0172
646	9.77	9.37	4.8528	2.788	-0.0103	7.6305	0.0276	-0.0161	0.0015	0.013
647	9.29	9.34	4.8526	2.7884	-0.0105	7.6305	0.0257	-0.0188	0.0028	0.0097
648	9.81	9.29	4.8524	2.7889	-0.0105	7.6308	0.029	-0.0203	0.0049	0.0136
649	8.97	9.26	4.8521	2.7891	-0.0107	7.6304	0.033	-0.0214	0.0074	0.019
650	8.56	9.22	4.8518	2.7889	-0.0107	7.63	0.0347	-0.0228	0.0093	0.0212
651	8.93	9.21	4.8518	2.7895	-0.0108	7.6304	0.0377	-0.0241	0.0124	0.026
652	9.08	9.16	4.8518	2.7895	-0.011	7.6304	0.0443	-0.0238	0.0137	0.0343
653	9.04	9.1	4.8517	2.7896	-0.0112	7.6302	0.0475	-0.0246	0.0155	0.0385
654	8.6	9.04	4.8517	2.7897	-0.0113	7.6301	0.0496	-0.0231	0.0165	0.043
655	8.88	9.02	4.8518	2.7896	-0.0112	7.6302	0.0522	-0.0244	0.0164	0.0442
656	9.12	8.98	4.8517	2.7897	-0.0113	7.6301	0.0553	-0.0191	0.0152	0.0514
657	9.06	8.96	4.8516	2.7897	-0.0116	7.6297	0.0561	-0.0227	0.0143	0.0477

658	9.16	8.92	4.8518	2.7901	-0.0117	7.6302	0.0627	-0.0188	0.0138	0.0577
659	8.87	8.94	4.8515	2.7897	-0.0115	7.6297	0.0587	-0.0068	0.0127	0.0646
660	9.27	8.99	4.8515	2.7894	-0.0115	7.6294	0.0556	-0.0007	0.0138	0.0687
661	8.73	9	4.8518	2.789	-0.0117	7.6291	0.0534	0.0148	0.0169	0.0851
662	8.52	8.99	4.852	2.7885	-0.0116	7.6288	0.0521	0.0346	0.017	0.1037
663	8.67	8.99	4.8521	2.7881	-0.0116	7.6285	0.0504	0.0464	0.0144	0.1112
664	9.13	9.01	4.8518	2.7877	-0.0115	7.628	0.0463	0.0526	0.0087	0.1077
665	8.98	9.05	4.852	2.7875	-0.0114	7.6281	0.0489	0.054	0.0055	0.1084
666	8.8	9.05	4.8522	2.7872	-0.0113	7.6281	0.0539	0.0559	0.0042	0.114
667	9.05	9.05	4.8522	2.7873	-0.0112	7.6283	0.0513	0.0525	0.0047	0.1084
668	9.46	9.05	4.8521	2.7876	-0.0112	7.6285	0.0551	0.0545	0.0015	0.1111
669	9.46	9.06	4.8523	2.7876	-0.0111	7.6288	0.0639	0.0518	0.003	0.1186
670	9.06	9.08	4.8521	2.7875	-0.011	7.6286	0.0661	0.0454	0.0047	0.1162
671	8.93	9.1	4.8523	2.787	-0.0111	7.6282	0.0634	0.0443	0.0056	0.1133
672	8.98	9.09	4.8524	2.7867	-0.0111	7.628	0.0589	0.0475	0.0093	0.1156
673	9.17	9.08	4.8521	2.7868	-0.0111	7.6278	0.0535	0.0487	0.0115	0.1137
674	9.55	9.07	4.8519	2.7869	-0.011	7.6278	0.0502	0.0455	0.0119	0.1076
675	9.16	9.08	4.8516	2.787	-0.011	7.6276	0.0453	0.0416	0.013	0.1
676	9.03	9.08	4.8514	2.7872	-0.0111	7.6276	0.0367	0.0403	0.0142	0.0913
677	9.14	9.09	4.8513	2.7874	-0.0112	7.6275	0.0231	0.0418	0.0138	0.0788
678	9.14	9.06	4.8514	2.7873	-0.0114	7.6274	0.0168	0.0424	0.0109	0.0701
679	9.49	9.02	4.8511	2.7874	-0.0117	7.6268	0.0114	0.042	0.011	0.0643
680	9.12	9	4.851	2.7873	-0.0119	7.6264	0.0101	0.0422	0.0131	0.0653
681	8.39	8.99	4.8512	2.7875	-0.0119	7.6268	0.0125	0.0429	0.0138	0.0692
682	8.48	8.99	4.8514	2.7878	-0.0119	7.6272	0.0084	0.0378	0.0142	0.0604
683	8.98	9.01	4.8518	2.7884	-0.0119	7.6283	0.0064	0.0302	0.0132	0.0498
684	9.03	8.96	4.8519	2.7885	-0.012	7.6284	0.0066	0.0253	0.0116	0.0434
685	8.94	8.95	4.8519	2.7886	-0.012	7.6285	0.0078	0.0209	0.0082	0.0369
686	9.26	8.97	4.8518	2.7887	-0.012	7.6286	0.0107	0.011	0.0086	0.0304
687	8.86	8.97	4.8518	2.789	-0.0118	7.629	0.0151	-0.0006	0.0101	0.0246
688	8.64	8.97	4.8516	2.7891	-0.0118	7.6289	0.012	-0.0019	0.0122	0.0223
689	8.76	8.94	4.8516	2.7892	-0.0119	7.6289	0.0112	-0.0073	0.0121	0.016
690	8.77	8.94	4.8516	2.7893	-0.0119	7.629	0.013	-0.0153	0.013	0.0107
691	8.87	8.98	4.8515	2.7896	-0.0119	7.6292	0.0097	-0.0146	0.0148	0.0099
692	9.53	9	4.8513	2.7899	-0.0118	7.6294	0.0111	-0.0143	0.0136	0.0104
693	8.63	8.99	4.8513	2.7898	-0.0117	7.6294	0.0152	-0.0208	0.011	0.0055
694	9.06	8.96	4.8517	2.7903	-0.0116	7.6304	0.0115	-0.022	0.0122	0.0017

695	9.26	8.94	4.8521	2.7902	-0.0117	7.6306	0.0059	-0.0211	0.0109	-0.0043
696	9.26	8.92	4.8526	2.7901	-0.0117	7.6311	0.001	-0.0191	0.0081	-0.01
697	9.11	8.92	4.8525	2.7902	-0.0116	7.6311	-0.0027	-0.0219	0.0074	-0.0172
698	8.93	8.93	4.8523	2.7901	-0.0116	7.6308	-0.0071	-0.0167	0.005	-0.0188
699	9.17	8.91	4.8522	2.7899	-0.0117	7.6304	-0.0073	-0.0116	0.0054	-0.0134
700	8.99	8.91	4.8518	2.7899	-0.0118	7.63	-0.0087	-0.0078	0.0048	-0.0117
701	9.01	8.9	4.8512	2.7901	-0.0119	7.6294	-0.0036	-0.0108	0.0047	-0.0098
702	8.71	8.83	4.8508	2.7903	-0.0121	7.629	0.0046	-0.0063	0.0026	0.0009
703	8.53	8.82	4.8505	2.7901	-0.0123	7.6284	0.021	-0.0023	0.0011	0.0198
704	8.52	8.79	4.8503	2.7904	-0.0125	7.6282	0.0282	0.0006	0.0016	0.0303
705	8.82	8.75	4.8501	2.7899	-0.0125	7.6275	0.0329	0.0022	0.0011	0.0362
706	8.9	8.71	4.85	2.7899	-0.0123	7.6277	0.0361	0.0059	0.0011	0.0431
707	8.83	8.69	4.8491	2.7893	-0.0122	7.6262	0.0346	0.0078	0.0016	0.044
708	8.43	8.68	4.8493	2.7881	-0.0121	7.6253	0.0325	0.0096	-0.0007	0.0414
709	8.74	8.65	4.8496	2.7876	-0.0123	7.6249	0.0324	0.015	-0.0002	0.0472
710	8.64	8.64	4.8497	2.7867	-0.0124	7.624	0.0282	0.0101	0.0037	0.042
711	8.3	8.62	4.8497	2.7856	-0.0121	7.6232	0.0309	0.0096	0.0044	0.0449
712	8.35	8.59	4.8498	2.7849	-0.0117	7.623	0.037	0.0082	0.0041	0.0494
713	8.57	8.57	4.8499	2.7849	-0.0114	7.6234	0.0359	0.0007	0.0069	0.0435
714	8.37	8.53	4.8497	2.7851	-0.0111	7.6237	0.0345	-0.0014	0.0081	0.0411
715	8.47	8.52	4.8493	2.7855	-0.0109	7.6239	0.0299	-0.0063	0.0108	0.0344
716	8.85	8.51	4.8495	2.7861	-0.011	7.6246	0.033	-0.0052	0.0136	0.0414
717	8.77	8.5	4.8496	2.7861	-0.0107	7.625	0.0363	-0.0057	0.0147	0.0453
718	8.61	8.5	4.8494	2.7863	-0.0108	7.6249	0.0377	-0.0005	0.0154	0.0527
719	8.76	8.49	4.8494	2.7871	-0.0111	7.6254	0.0381	0.0052	0.0141	0.0574
720	8.56	8.48	4.8496	2.7873	-0.0113	7.6256	0.0389	0.0059	0.0135	0.0582
721	8.11	8.49	4.8499	2.7873	-0.0115	7.6257	0.0361	0.0106	0.0139	0.0606
722	8.12	8.53	4.8501	2.7871	-0.0116	7.6256	0.0397	0.0117	0.0123	0.0637
723	7.94	8.56	4.8501	2.7871	-0.0119	7.6253	0.0454	0.0145	0.0102	0.07
724	8.45	8.59	4.8502	2.7871	-0.012	7.6253	0.0433	0.015	0.0106	0.0688
725	8.73	8.6	4.8503	2.7873	-0.0119	7.6256	0.0388	0.016	0.011	0.0658
726	8.72	8.57	4.8502	2.7872	-0.0119	7.6255	0.0355	0.0205	0.011	0.067
727	8.43	8.54	4.8505	2.7871	-0.0117	7.6259	0.0339	0.0235	0.0097	0.0671
728	8.44	8.55	4.8509	2.7869	-0.0118	7.626	0.036	0.0253	0.0099	0.0712
729	8.48	8.56	4.8512	2.7866	-0.012	7.6258	0.0381	0.0213	0.0058	0.0652
730	8.46	8.6	4.851	2.7866	-0.0121	7.6255	0.0371	0.019	0.0037	0.0598
731	9.23	8.65	4.8511	2.787	-0.012	7.626	0.038	0.0166	0.0016	0.0562

732	9.1	8.68	4.8512	2.7874	-0.012	7.6266	0.0412	0.0227	-0.0002	0.0637
733	8.91	8.72	4.8512	2.7876	-0.0119	7.627	0.0435	0.0334	-0.0017	0.0752
734	8.62	8.72	4.8513	2.7877	-0.0117	7.6273	0.0511	0.042	-0.0044	0.0887
735	8.27	8.72	4.8514	2.7881	-0.0117	7.6279	0.0538	0.0425	-0.0076	0.0887
736	8.31	8.71	4.8516	2.7882	-0.0117	7.628	0.0437	0.0449	-0.0098	0.0787
737	8.82	8.71	4.8516	2.7883	-0.0117	7.6282	0.0324	0.0463	-0.0116	0.0671
738	8.94	8.7	4.8518	2.7884	-0.0116	7.6286	0.0201	0.0457	-0.0099	0.0559
739	9.25	8.68	4.8518	2.7885	-0.0117	7.6286	0.0196	0.0385	-0.0092	0.049
740	9.09	8.67	4.8519	2.7886	-0.0118	7.6287	0.0264	0.0355	-0.009	0.053
741	8.73	8.64	4.8516	2.7887	-0.0116	7.6288	0.0353	0.0351	-0.0063	0.0641
742	8.71	8.63	4.8512	2.7893	-0.0113	7.6293	0.0406	0.0407	-0.0074	0.0739
743	8.46	8.64	4.8515	2.7895	-0.0114	7.6297	0.0381	0.0453	-0.0065	0.0768
744	8.64	8.63	4.8521	2.7898	-0.0114	7.6305	0.0371	0.0394	-0.0037	0.0727
745	8.61	8.67	4.8527	2.79	-0.0112	7.6315	0.0413	0.0412	-0.0028	0.0797
746	8.33	8.71	4.8531	2.7902	-0.011	7.6322	0.0461	0.0406	-0.004	0.0827
747	8.37	8.74	4.8533	2.7901	-0.011	7.6324	0.0497	0.0394	-0.0029	0.0862
748	8.12	8.76	4.8531	2.7901	-0.0111	7.6321	0.046	0.0426	-0.003	0.0856
749	8.19	8.76	4.8529	2.7899	-0.0112	7.6316	0.043	0.0405	-0.0029	0.0807
750	8.71	8.77	4.8522	2.79	-0.0112	7.631	0.0389	0.0314	-0.0015	0.0688
751	8.9	8.79	4.8513	2.7901	-0.0111	7.6303	0.0318	0.031	-0.0019	0.0609
752	8.98	8.84	4.8498	2.7898	-0.0111	7.6284	0.024	0.0311	-0.001	0.0541
753	8.56	8.88	4.8489	2.7895	-0.0113	7.6271	0.0214	0.0294	-0.0032	0.0475
754	8.99	8.91	4.8484	2.7895	-0.0114	7.6265	0.0179	0.0256	-0.0048	0.0387
755	9.14	8.92	4.8482	2.789	-0.0113	7.6259	0.0124	0.0299	-0.0064	0.0359
756	9.34	8.93	4.8483	2.7889	-0.0114	7.6257	0.0087	0.0244	-0.0065	0.0266
757	9.28	8.95	4.8484	2.7887	-0.0115	7.6256	0.0071	0.0223	-0.0049	0.0245
758	9.26	9	4.8486	2.7886	-0.0117	7.6255	-0.0028	0.0125	-0.0023	0.0075
759	9.33	9.03	4.8487	2.7887	-0.0119	7.6255	-0.0049	0.0025	-0.0005	-0.0028
760	9.11	9.03	4.8484	2.7885	-0.012	7.6249	-0.0017	-0.0032	-0.0036	-0.0085
761	9.68	9.02	4.8481	2.7881	-0.0121	7.6242	0.002	-0.0125	-0.0045	-0.015
762	9.2	9	4.8484	2.7884	-0.0123	7.6245	0.004	-0.0242	-0.0012	-0.0213
763	9.23	9.01	4.8486	2.7882	-0.0124	7.6244	0.006	-0.0348	0.0038	-0.025
764	8.67	9.01	4.8488	2.7884	-0.0126	7.6245	0.013	-0.0366	0.0077	-0.0159
765	8.57	9	4.8487	2.7881	-0.0128	7.6239	0.0083	-0.0392	0.009	-0.0219
766	8.8	8.98	4.8486	2.7878	-0.0128	7.6236	0.0042	-0.0388	0.0127	-0.0219
767	9.1	8.94	4.8484	2.7874	-0.0128	7.6231	0.0058	-0.0336	0.0141	-0.0137
768	8.79	8.93	4.8483	2.7871	-0.0126	7.6228	0.0049	-0.0317	0.0192	-0.0077

769	8.68	8.91	4.8484	2.787	-0.0124	7.623	0.0044	-0.0288	0.0185	-0.0059
770	8.66	8.89	4.8485	2.7864	-0.0124	7.6225	0.006	-0.0258	0.015	-0.0048
771	8.61	8.85	4.8483	2.7859	-0.0123	7.6218	0.0093	-0.0247	0.0117	-0.0037
772	8.78	8.82	4.8479	2.7852	-0.0121	7.621	0.0126	-0.0252	0.0083	-0.0043
773	8.87	8.8	4.8478	2.7853	-0.0122	7.6209	0.0111	-0.0245	0.0055	-0.0079
774	8.96	8.81	4.848	2.7853	-0.0121	7.6212	0.009	-0.026	0.0043	-0.0127
775	9.01	8.79	4.8481	2.7849	-0.0121	7.6209	0.0094	-0.0234	0.0039	-0.0101
776	8.49	8.72	4.848	2.7849	-0.012	7.6209	0.0088	-0.0197	0.0033	-0.0077
777	9.2	8.67	4.8477	2.7849	-0.0122	7.6204	0.0078	-0.0188	0.0026	-0.0083
778	8.91	8.63	4.8476	2.7852	-0.012	7.6208	0.0101	-0.0195	0.0062	-0.0031
779	8.7	8.58	4.8474	2.7855	-0.012	7.6208	0.0159	-0.0205	0.0065	0.0019
780	8.83	8.54	4.8472	2.7856	-0.0121	7.6208	0.0198	-0.0219	0.0049	0.0028
781	8.67	8.5	4.8471	2.7852	-0.0119	7.6204	0.0147	-0.0207	0.0042	-0.0018
782	8.91	8.45	4.847	2.7844	-0.0117	7.6197	0.0098	-0.0177	0.0027	-0.0052
783	8.82	8.41	4.8467	2.7842	-0.0115	7.6194	0.01	-0.0151	0.0023	-0.0028
784	8.13	8.34	4.8465	2.7842	-0.0112	7.6195	0.0167	-0.0075	0.0043	0.0135
785	7.63	8.25	4.8475	2.7841	-0.011	7.6206	0.0218	-0.0026	0.006	0.0253
786	7.99	8.21	4.8486	2.7841	-0.0108	7.6219	0.0262	0.0052	0.0054	0.0368
787	8.09	8.14	4.8498	2.7844	-0.0108	7.6234	0.0266	0.0117	0.0052	0.0435
788	7.66	8.09	4.8496	2.7853	-0.0109	7.624	0.026	0.0216	0.0072	0.0547
789	8.01	8.08	4.849	2.7857	-0.011	7.6236	0.0291	0.0245	0.0094	0.0631
790	7.8	8.06	4.8481	2.7858	-0.0113	7.6226	0.0341	0.0303	0.01	0.0745
791	7.81	8.05	4.8475	2.7855	-0.0112	7.6218	0.0373	0.0324	0.0087	0.0784
792	8.2	8.01	4.8475	2.7854	-0.0112	7.6217	0.0359	0.0348	0.0099	0.0806
793	7.62	7.99	4.8476	2.7859	-0.0113	7.6221	0.0329	0.0451	0.0126	0.0906
794	7.27	8.04	4.8476	2.7862	-0.0113	7.6224	0.0354	0.0474	0.0131	0.096
795	7.72	8.12	4.8475	2.7861	-0.0113	7.6223	0.0409	0.0485	0.0112	0.1007
796	7.81	8.18	4.8477	2.7862	-0.0114	7.6225	0.0485	0.0464	0.0129	0.1079
797	8.12	8.22	4.8479	2.7859	-0.0113	7.6225	0.0536	0.0497	0.0154	0.1188
798	8.39	8.29	4.848	2.786	-0.0113	7.6227	0.0531	0.0412	0.0141	0.1084
799	8.53	8.32	4.8483	2.7868	-0.0115	7.6236	0.053	0.0316	0.0143	0.0989
800	8.5	8.36	4.8486	2.7868	-0.0116	7.6239	0.0539	0.0226	0.0132	0.0897
801	8.16	8.44	4.8488	2.787	-0.0118	7.624	0.0426	0.0218	0.0125	0.0769
802	8.46	8.48	4.8487	2.7873	-0.0117	7.6243	0.0239	0.0173	0.0113	0.0525
803	8.94	8.55	4.8487	2.7876	-0.0118	7.6245	0.0027	0.0148	0.0107	0.0282
804	9.17	8.62	4.8491	2.7874	-0.0119	7.6246	-0.0038	0.0097	0.0113	0.0172
805	9.11	8.68	4.8492	2.7875	-0.0118	7.6249	-0.0043	0.0068	0.0122	0.0148

806	8.91	8.74	4.8493	2.7877	-0.0118	7.6253	-0.0027	0.003	0.0114	0.0116
807	8.98	8.79	4.8494	2.788	-0.012	7.6255	0.001	0.0013	0.0081	0.0104
808	8.66	8.82	4.8498	2.7879	-0.0121	7.6256	0.0017	-0.0072	0.0062	0.0007
809	8.56	8.84	4.8498	2.7879	-0.0119	7.6258	-0.0066	-0.0137	0.0014	-0.0189
810	9.2	8.86	4.8495	2.7879	-0.0119	7.6255	-0.0063	-0.0093	-0.0007	-0.0162
811	8.93	8.85	4.8493	2.788	-0.012	7.6253	-0.0063	-0.0104	0.0001	-0.0166
812	8.97	8.85	4.8492	2.7884	-0.0121	7.6255	-0.0117	-0.0136	-0.0021	-0.0273
813	8.64	8.84	4.8486	2.7886	-0.0121	7.625	-0.0145	-0.0117	-0.0055	-0.0316
814	8.87	8.83	4.8489	2.789	-0.012	7.6259	-0.0167	-0.0164	-0.0081	-0.0411
815	9.01	8.83	4.8489	2.7893	-0.0122	7.6261	-0.0201	-0.0187	-0.0111	-0.0499
816	9.07	8.82	4.8489	2.7894	-0.0124	7.626	-0.0305	-0.025	-0.0145	-0.07
817	8.85	8.8	4.8491	2.7893	-0.0126	7.6258	-0.0359	-0.0316	-0.0144	-0.0818
818	9.06	8.8	4.849	2.7892	-0.0127	7.6255	-0.0363	-0.0336	-0.0136	-0.0836
819	8.72	8.81	4.8488	2.7896	-0.0126	7.6258	-0.0362	-0.0338	-0.0121	-0.0821
820	8.09	8.8	4.8486	2.7898	-0.0124	7.626	-0.0331	-0.033	-0.0104	-0.0766
821	8.34	8.8	4.8486	2.7898	-0.0123	7.6261	-0.0271	-0.0341	-0.011	-0.0722
822	8.8	8.82	4.849	2.7896	-0.0122	7.6264	-0.0157	-0.0372	-0.0082	-0.0612
823	9.02	8.86	4.8492	2.7897	-0.0123	7.6266	-0.0086	-0.0378	-0.0053	-0.0517
824	9.07	8.85	4.8492	2.7895	-0.0124	7.6263	-0.0032	-0.0329	-0.0049	-0.041
825	8.7	8.87	4.8494	2.7892	-0.0122	7.6264	0.0088	-0.0347	-0.004	-0.0299
826	8.57	8.86	4.8494	2.7891	-0.0122	7.6264	0.0221	-0.0368	-0.0036	-0.0183
827	8.68	8.87	4.8495	2.7891	-0.0123	7.6262	0.0283	-0.0352	-0.0018	-0.0087
828	8.73	8.86	4.8493	2.789	-0.0124	7.6258	0.0292	-0.0325	-0.0014	-0.0047
829	9	8.86	4.8492	2.7888	-0.0125	7.6255	0.0304	-0.0232	0.0016	0.0088
830	8.98	8.89	4.8495	2.7886	-0.0125	7.6257	0.027	-0.0203	0.0023	0.009
831	9.37	8.9	4.8501	2.7888	-0.0123	7.6266	0.021	-0.0179	0.0033	0.0064
832	9.31	8.9	4.8502	2.7889	-0.0122	7.6269	0.0188	-0.0208	0.0043	0.0024
833	8.69	8.9	4.8496	2.7884	-0.0123	7.6257	0.0218	-0.0267	0.0047	-0.0002
834	9.38	8.91	4.8491	2.7879	-0.0123	7.6247	0.019	-0.0301	0.0073	-0.0038
835	9.04	8.93	4.8488	2.7876	-0.0122	7.6242	0.0152	-0.0304	0.0109	-0.0043
836	8.96	8.97	4.8489	2.787	-0.0122	7.6237	0.0254	-0.0265	0.015	0.0139
837	8.86	8.98	4.849	2.7861	-0.0124	7.6227	0.0375	-0.0245	0.0185	0.0315
838	8.74	8.99	4.8489	2.7859	-0.0126	7.6222	0.0465	-0.0191	0.0196	0.0469
839	8.61	8.98	4.8484	2.7855	-0.0127	7.6212	0.0417	-0.0052	0.0184	0.0549
840	8.64	8.97	4.8482	2.7854	-0.0127	7.6209	0.0355	0.0036	0.019	0.0581
841	8.8	8.93	4.848	2.7852	-0.0125	7.6207	0.0288	0.005	0.0186	0.0524
842	8.98	8.88	4.8479	2.7848	-0.0126	7.6202	0.0243	0.0033	0.0197	0.0473

843	9.31	8.85	4.848	2.7848	-0.0127	7.6201	0.0282	0.0057	0.0187	0.0526
844	9.08	8.78	4.848	2.785	-0.0126	7.6204	0.0291	0.0117	0.0159	0.0567
845	9.2	8.74	4.8478	2.7853	-0.0125	7.6207	0.0222	0.0137	0.0186	0.0546
846	9.02	8.69	4.8477	2.7852	-0.0126	7.6203	0.017	0.0154	0.017	0.0495
847	8.77	8.65	4.848	2.786	-0.0124	7.6216	0.0155	0.0209	0.016	0.0523
848	8.88	8.62	4.8478	2.7869	-0.0125	7.6222	0.0157	0.0232	0.0162	0.0551
849	8.76	8.59	4.8475	2.7876	-0.0125	7.6226	0.0171	0.0212	0.0166	0.0548
850	8.69	8.54	4.8479	2.7878	-0.0125	7.6233	0.0228	0.03	0.0124	0.0652
851	8.33	8.49	4.8489	2.7884	-0.0122	7.6251	0.028	0.0322	0.0078	0.0681
852	8.1	8.45	4.8495	2.7883	-0.0122	7.6256	0.0275	0.028	0.0031	0.0587
853	8.15	8.41	4.8493	2.7885	-0.0124	7.6254	0.0267	0.0309	0.002	0.0595
854	8.19	8.38	4.8488	2.7888	-0.0126	7.625	0.0318	0.0397	0.001	0.0725
855	7.97	8.36	4.8484	2.7887	-0.0125	7.6247	0.035	0.0384	0.0037	0.0771
856	8.06	8.34	4.8482	2.7888	-0.0123	7.6247	0.0328	0.035	0.0082	0.076
857	8.16	8.35	4.8482	2.7895	-0.0121	7.6255	0.0334	0.0332	0.008	0.0747
858	8.04	8.35	4.8492	2.79	-0.0118	7.6274	0.0331	0.0375	0.0054	0.0759
859	7.7	8.35	4.8493	2.7896	-0.0118	7.6271	0.0382	0.0388	0.003	0.08
860	7.9	8.32	4.849	2.7895	-0.012	7.6265	0.0374	0.0407	0.004	0.0821
861	8.23	8.33	4.8493	2.7895	-0.0119	7.6269	0.032	0.0387	0.0047	0.0754
862	8.51	8.37	4.8498	2.7896	-0.0117	7.6276	0.03	0.0356	0.0025	0.0681
863	8.47	8.43	4.8503	2.7898	-0.0116	7.6285	0.0281	0.0336	0.0008	0.0625
864	8.87	8.48	4.8508	2.7902	-0.0115	7.6295	0.0236	0.0345	-0.0007	0.0574
865	8.75	8.52	4.8517	2.7906	-0.0113	7.6309	0.0308	0.0359	-0.0004	0.0664
866	8.97	8.56	4.8522	2.7909	-0.0114	7.6317	0.033	0.0381	-0.0003	0.0708
867	8.85	8.6	4.8521	2.7907	-0.0114	7.6314	0.0332	0.0377	-0.0012	0.0697
868	8.61	8.64	4.8519	2.7904	-0.0114	7.631	0.036	0.0348	-0.0023	0.0685
869	8.26	8.69	4.8517	2.7903	-0.0114	7.6306	0.0366	0.033	-0.002	0.0676
870	8.56	8.73	4.8512	2.7898	-0.0113	7.6297	0.0329	0.0374	-0.0011	0.0692
871	8.76	8.77	4.8499	2.7896	-0.0115	7.6279	0.0284	0.0382	0.0014	0.068
872	9.33	8.82	4.8487	2.789	-0.0116	7.6262	0.0277	0.039	0.0022	0.0689
873	9.15	8.84	4.8481	2.7886	-0.0117	7.625	0.0309	0.0323	0.0033	0.0665
874	8.77	8.86	4.8471	2.7888	-0.0117	7.6242	0.0343	0.0235	0.0018	0.0597
875	8.82	8.85	4.8459	2.7886	-0.0117	7.6227	0.0347	0.0208	0.0011	0.0566
876	8.88	8.81	4.8452	2.7884	-0.0118	7.6218	0.0344	0.0176	0.0021	0.0541
877	8.71	8.77	4.8448	2.7881	-0.012	7.6209	0.0358	0.0121	0.0048	0.0527
878	8.73	8.76	4.8446	2.7875	-0.0122	7.62	0.0334	0.0098	0.0044	0.0476
879	8.72	8.78	4.8447	2.7875	-0.0123	7.6199	0.0354	0.005	0.0044	0.0448

880	8.95	8.77	4.8451	2.7874	-0.0124	7.6202	0.0264	0.0067	0.0059	0.039
881	9.5	8.75	4.8452	2.7873	-0.0123	7.6202	0.0276	0.0094	0.008	0.0449
882	8.79	8.7	4.8448	2.7871	-0.0122	7.6197	0.041	0.0125	0.0091	0.0626
883	9.15	8.66	4.8448	2.7872	-0.0122	7.6198	0.0442	0.0222	0.009	0.0754
884	8.71	8.64	4.845	2.7872	-0.0123	7.6199	0.0396	0.0203	0.0081	0.0681
885	8.16	8.59	4.845	2.7868	-0.0125	7.6192	0.0375	0.0227	0.0073	0.0675
886	8.12	8.55	4.8449	2.7865	-0.0127	7.6187	0.0341	0.0243	0.0075	0.0659
887	8.38	8.54	4.8451	2.7863	-0.0128	7.6187	0.0357	0.0216	0.0089	0.0662
888	8.6	8.55	4.8454	2.7858	-0.0127	7.6185	0.0392	0.0192	0.0078	0.0663
889	8.33	8.53	4.8454	2.7853	-0.0129	7.6178	0.0407	0.0175	0.0064	0.0647
890	8.38	8.48	4.8452	2.7853	-0.0131	7.6174	0.0369	0.0116	0.0042	0.0528
891	8.37	8.4	4.845	2.7852	-0.0131	7.6171	0.0363	0.0132	0.0053	0.0548
892	8.51	8.37	4.8447	2.7848	-0.013	7.6164	0.0394	0.012	0.0084	0.0598
893	8.28	8.31	4.8447	2.7847	-0.0129	7.6165	0.0372	0.0102	0.0092	0.0566
894	7.96	8.28	4.8454	2.7848	-0.0132	7.617	0.0347	0.0111	0.004	0.0499
895	8.03	8.28	4.8458	2.7846	-0.013	7.6174	0.035	0.0119	0.0042	0.0511
896	8.5	8.26	4.8461	2.7841	-0.013	7.6172	0.0337	0.0093	0.0064	0.0493
897	8.92	8.21	4.8463	2.7836	-0.0129	7.617	0.0327	0.0114	0.0029	0.047
898	8.41	8.17	4.8463	2.7839	-0.013	7.6173	0.0369	0.0277	0.001	0.0656
899	7.99	8.13	4.846	2.7838	-0.0127	7.617	0.0357	0.0403	-0.0031	0.0728
900	8.01	8.08	4.8458	2.7836	-0.0124	7.6171	0.0343	0.044	-0.0033	0.075
901	8.14	8.06	4.846	2.7842	-0.0121	7.6181	0.0424	0.0427	-0.001	0.084
902	8.03	8.04	4.846	2.7842	-0.0119	7.6183	0.0525	0.0477	0.0042	0.1043
903	8.16	8.04	4.8456	2.7836	-0.0119	7.6173	0.0578	0.0479	0.007	0.1128
904	8.19	8.04	4.8456	2.7836	-0.0122	7.6169	0.0551	0.0544	0.0045	0.114
905	7.67	8.03	4.846	2.784	-0.0127	7.6173	0.0503	0.0566	0.0018	0.1087
906	7.44	8.01	4.846	2.7844	-0.0126	7.6178	0.046	0.0606	0.0009	0.1075
907	7.94	7.96	4.8461	2.7843	-0.0125	7.6179	0.0412	0.058	0.0012	0.1005
908	7.55	7.95	4.846	2.784	-0.0124	7.6176	0.0394	0.0649	0.0015	0.1058
909	7.41	7.95	4.8461	2.7838	-0.0123	7.6176	0.0467	0.0683	0.0038	0.1188
910	7.99	7.95	4.8463	2.784	-0.0124	7.618	0.0475	0.0629	0.004	0.1144
911	8.14	7.97	4.8463	2.7845	-0.0123	7.6185	0.044	0.0592	0.0033	0.1064
912	8.2	7.98	4.8464	2.7851	-0.0122	7.6192	0.046	0.0538	0.0066	0.1064
913	8.03	7.98	4.8462	2.7852	-0.0121	7.6193	0.0498	0.0549	0.0085	0.1132
914	7.86	7.99	4.8458	2.7854	-0.012	7.6192	0.0529	0.055	0.0117	0.1196
915	8.02	8.04	4.8456	2.7855	-0.0122	7.619	0.0561	0.0546	0.0138	0.1246
916	8.09	8.11	4.8456	2.7857	-0.0123	7.619	0.0672	0.0556	0.0165	0.1394

917	8.17	8.15	4.8455	2.7858	-0.0124	7.6189	0.0725	0.056	0.0186	0.1471
918	8.1	8.22	4.8453	2.7859	-0.0125	7.6187	0.071	0.05	0.02	0.141
919	7.99	8.3	4.8455	2.7859	-0.0125	7.6189	0.07	0.0482	0.02	0.1382
920	8.52	8.38	4.8458	2.786	-0.0126	7.6192	0.0629	0.0421	0.02	0.1251
921	8.18	8.42	4.8458	2.7859	-0.0125	7.6192	0.0531	0.0364	0.0193	0.1088
922	8.08	8.49	4.8459	2.7864	-0.0125	7.6197	0.0355	0.0343	0.014	0.0838
923	8.4	8.56	4.8458	2.7873	-0.0125	7.6206	0.0223	0.0262	0.0119	0.0603
924	8.69	8.62	4.8458	2.7874	-0.0125	7.6207	0.0126	0.0193	0.0123	0.0443
925	8.65	8.69	4.846	2.7875	-0.0125	7.621	-0.0041	0.0244	0.0123	0.0326
926	8.83	8.74	4.8459	2.7879	-0.0126	7.6211	-0.0205	0.0247	0.0116	0.0157
927	8.81	8.78	4.8461	2.7881	-0.0128	7.6214	-0.0306	0.0221	0.0087	0.0002
928	9.05	8.82	4.8458	2.7884	-0.0129	7.6213	-0.0352	0.0252	0.0059	-0.0041
929	9.41	8.86	4.8466	2.7881	-0.0131	7.6216	-0.0349	0.0161	0.0034	-0.0155
930	8.9	8.85	4.8468	2.7877	-0.0133	7.6212	-0.0328	0.0152	0.0021	-0.0155
931	9.52	8.84	4.846	2.7875	-0.0132	7.6203	-0.0255	0.0136	-0.0001	-0.0119
932	9.39	8.89	4.8458	2.7867	-0.0131	7.6193	-0.0233	0.0111	0.0002	-0.012
933	9.06	8.9	4.8456	2.7863	-0.0131	7.6188	-0.0266	0.0098	0.0037	-0.0131
934	9.32	8.85	4.8454	2.7856	-0.013	7.618	-0.0239	0.008	0.0059	-0.0099
935	9.09	8.83	4.8454	2.7852	-0.0129	7.6176	-0.0204	0.0098	0.0036	-0.0071
936	8.91	8.78	4.8453	2.7848	-0.0131	7.6171	-0.0177	0.0046	0.0001	-0.013
937	8.87	8.74	4.8451	2.7842	-0.0132	7.6161	-0.0228	-0.0039	-0.0008	-0.0275
938	8.76	8.7	4.8448	2.7842	-0.0132	7.6158	-0.0311	-0.0098	-0.0034	-0.0443
939	8.22	8.64	4.8447	2.7843	-0.0131	7.6159	-0.0371	-0.0189	-0.0053	-0.0612
940	8.04	8.6	4.8445	2.784	-0.0132	7.6154	-0.0395	-0.0271	-0.0071	-0.0737
941	9.05	8.54	4.8441	2.784	-0.0134	7.6147	-0.0389	-0.0287	-0.0102	-0.0778
942	8.54	8.49	4.8442	2.7838	-0.0135	7.6145	-0.0444	-0.0333	-0.0108	-0.0885
943	7.77	8.43	4.8445	2.7837	-0.0131	7.6151	-0.0682	-0.0403	-0.0119	-0.1205
944	8.15	8.37	4.8445	2.7838	-0.013	7.6153	-0.0772	-0.0397	-0.0097	-0.1267
945	7.94	8.29	4.8445	2.7844	-0.0131	7.6157	-0.0713	-0.0414	-0.0119	-0.1246
946	8.06	8.23	4.8444	2.7841	-0.0129	7.6156	-0.0674	-0.0468	-0.01	-0.1242
947	8.26	8.17	4.8443	2.7832	-0.0125	7.615	-0.0682	-0.0542	-0.0092	-0.1316
948	8.28	8.1	4.8442	2.7829	-0.0122	7.6149	-0.065	-0.0615	-0.0082	-0.1347
949	8.17	8.08	4.8441	2.7832	-0.0122	7.6151	-0.0458	-0.0571	-0.0095	-0.1124
950	8.35	8.05	4.8437	2.7835	-0.0123	7.6149	-0.0286	-0.0597	-0.0057	-0.094
951	8.45	7.99	4.8437	2.7836	-0.0126	7.6146	-0.0313	-0.0687	-0.0006	-0.1006
952	7.97	7.96	4.8437	2.7835	-0.0129	7.6143	-0.0341	-0.0581	0.002	-0.0902
953	8.14	7.99	4.8438	2.7831	-0.0129	7.614	-0.0377	-0.0526	0.0008	-0.0896

954	7.61	7.99	4.8438	2.7831	-0.0128	7.6142	-0.0303	-0.0578	0.0018	-0.0863
955	7.82	8.01	4.8438	2.7827	-0.0126	7.614	-0.0053	-0.0528	-0.0016	-0.0598
956	7.56	8.04	4.844	2.783	-0.0124	7.6146	0.0098	-0.047	-0.0057	-0.043
957	7.62	8.08	4.8442	2.783	-0.0123	7.6149	0.0243	-0.0407	-0.0061	-0.0225
958	7.71	8.11	4.8445	2.7831	-0.0122	7.6155	0.0327	-0.0363	-0.0034	-0.0069
959	7.53	8.12	4.8445	2.7833	-0.0122	7.6157	0.0353	-0.0298	-0.0005	0.005
960	7.89	8.14	4.8446	2.7836	-0.0123	7.6159	0.0389	-0.0263	0.003	0.0156
961	7.99	8.15	4.8447	2.7841	-0.0125	7.6163	0.0436	-0.0253	0.0058	0.0241
962	8.33	8.17	4.8449	2.7841	-0.0126	7.6163	0.0475	-0.0213	0.0092	0.0354
963	8.05	8.2	4.845	2.7843	-0.0128	7.6166	0.0485	-0.0115	0.0129	0.05
964	8.45	8.27	4.8452	2.7848	-0.0129	7.6171	0.043	-0.0087	0.0162	0.0505
965	8.63	8.31	4.845	2.785	-0.013	7.617	0.035	0.0087	0.0169	0.0606
966	8.88	8.39	4.8449	2.7853	-0.0132	7.617	0.0312	0.0168	0.0142	0.0623
967	8.93	8.46	4.845	2.7857	-0.0134	7.6173	0.031	0.027	0.013	0.071
968	8.39	8.5	4.8449	2.7856	-0.0134	7.6171	0.0293	0.0229	0.014	0.0662
969	8.66	8.57	4.8454	2.7861	-0.0134	7.6181	0.0265	0.0229	0.013	0.0624
970	8.6	8.59	4.8459	2.7862	-0.0132	7.6188	0.0283	0.0252	0.0113	0.0648
971	8.43	8.6	4.8463	2.7861	-0.0129	7.6195	0.0318	0.0299	0.0049	0.0666
972	8.74	8.61	4.8465	2.7864	-0.0128	7.6201	0.0368	0.0303	0.0006	0.0677
973	8.94	8.64	4.8469	2.7866	-0.0129	7.6206	0.0414	0.0347	0.0029	0.079
974	8.56	8.64	4.8475	2.7863	-0.0129	7.6209	0.0415	0.0461	0.0032	0.0909
975	9.04	8.64	4.8479	2.7861	-0.0129	7.6212	0.0416	0.0488	0.004	0.0945
976	8.89	8.64	4.8483	2.7862	-0.0127	7.6217	0.0416	0.0498	0.0064	0.0978
977	8.54	8.64	4.8483	2.7856	-0.0126	7.6213	0.0409	0.0479	0.0065	0.0952
978	8.84	8.62	4.8481	2.7859	-0.0125	7.6215	0.0458	0.0508	0.0046	0.1012
979	8.34	8.59	4.848	2.786	-0.0125	7.6215	0.0401	0.0596	0.0043	0.104
980	8.21	8.6	4.8476	2.7861	-0.0124	7.6214	0.0452	0.0581	-0.0003	0.103
981	8.52	8.6	4.8475	2.7862	-0.0123	7.6214	0.0452	0.0511	-0.0025	0.0937
982	8.63	8.58	4.8475	2.7861	-0.0126	7.621	0.0383	0.0469	0.0002	0.0854
983	8.46	8.55	4.8472	2.7864	-0.0128	7.6208	0.0393	0.0346	0.0026	0.0764
984	8.6	8.53	4.847	2.7863	-0.0127	7.6206	0.0406	0.0286	0.0037	0.0729
985	8.9	8.51	4.8467	2.7863	-0.0125	7.6205	0.0386	0.0191	0.004	0.0617
986	8.9	8.49	4.8471	2.7869	-0.0126	7.6215	0.0407	0.0135	0.0019	0.0561
987	8	8.48	4.8483	2.7873	-0.0124	7.6231	0.0395	0.0132	-0.001	0.0516
988	8.13	8.44	4.8491	2.7877	-0.0122	7.6246	0.0316	0.0138	-0.004	0.0414
989	8.64	8.47	4.8494	2.788	-0.0122	7.6252	0.0196	0.0149	-0.0053	0.0293
990	8.45	8.5	4.8491	2.7881	-0.0121	7.6251	0.0157	0.0175	-0.0075	0.0256

991	8.43	8.51	4.8495	2.7885	-0.012	7.6259	0.013	0.0161	-0.0109	0.0182
992	8.32	8.54	4.8515	2.7888	-0.0118	7.6285	0.0108	0.011	-0.0159	0.0058
993	8.21	8.55	4.8524	2.7887	-0.0119	7.6291	0.0116	0.0052	-0.0176	-0.0008
994	8.62	8.57	4.8525	2.7889	-0.012	7.6294	0.0155	-0.0012	-0.0152	-0.001
995	8.51	8.59	4.8526	2.7893	-0.012	7.6298	0.0154	-0.0067	-0.0135	-0.0048
996	8.36	8.59	4.8529	2.7895	-0.0121	7.6304	0.012	-0.0043	-0.0137	-0.006
997	8.19	8.65	4.8528	2.7897	-0.0121	7.6305	0.0111	-0.0075	-0.0115	-0.0079
998	8.83	8.71	4.8509	2.7896	-0.012	7.6285	0.0084	-0.0135	-0.008	-0.0131
999	8.74	8.72	4.8488	2.7898	-0.0122	7.6264	0.0062	-0.0177	-0.004	-0.0154
1000	8.82	8.72	4.849	2.7905	-0.0123	7.6272	0.005	-0.017	0.0013	-0.0107
1001	9.07	8.75	4.8494	2.79	-0.0123	7.6271	-0.002	-0.0181	0.0016	-0.0184
1002	8.81	8.8	4.8498	2.7895	-0.012	7.6273	-0.0019	-0.0208	-0.0003	-0.0231
1003	8.91	8.82	4.8486	2.7894	-0.0121	7.6259	0.001	-0.0207	-0.0016	-0.0213
1004	9.2	8.82	4.8461	2.7888	-0.0121	7.6229	0.0047	-0.024	-0.001	-0.0203
1005	9.03	8.85	4.845	2.7887	-0.0121	7.6216	0.004	-0.0236	0.0002	-0.0194
1006	9.06	8.89	4.8436	2.7885	-0.012	7.62	0.0039	-0.0277	0.0024	-0.0214
1007	9.26	8.91	4.8428	2.7879	-0.0122	7.6186	0.0035	-0.0189	0.0037	-0.0117
1008	8.88	8.88	4.8425	2.7869	-0.0123	7.6171	0.0037	-0.0146	0.0044	-0.0065
1009	8.43	8.84	4.8422	2.7865	-0.0126	7.616	0.0072	-0.0149	0.0058	-0.0019
1010	9.08	8.8	4.8419	2.7866	-0.0129	7.6156	0.01	-0.0182	0.0068	-0.0013
1011	9.17	8.77	4.8415	2.7866	-0.0132	7.615	0.0131	-0.0208	0.0058	-0.0019
1012	8.63	8.77	4.8415	2.7862	-0.0135	7.6142	0.0141	-0.0188	0.0057	0.0009
1013	8.54	8.76	4.8419	2.786	-0.0137	7.6142	0.0201	-0.0195	0.0083	0.009
1014	9.11	8.7	4.8423	2.7845	-0.0137	7.6132	0.0252	-0.0177	0.0098	0.0172
1015	9.11	8.65	4.8425	2.7838	-0.0136	7.6128	0.0238	-0.0138	0.0106	0.0206
1016	8.55	8.56	4.8425	2.783	-0.0136	7.6119	0.0223	-0.0097	0.0074	0.02
1017	8.36	8.45	4.8426	2.7835	-0.0138	7.6123	0.0221	-0.004	0.003	0.0211
1018	7.89	8.34	4.8427	2.7836	-0.0138	7.6125	0.0231	0.0048	0	0.028
1019	8.05	8.27	4.8427	2.7834	-0.0136	7.6125	0.0243	0.0085	-0.0006	0.0323
1020	8.53	8.17	4.8426	2.783	-0.0131	7.6125	0.0277	0.0203	-0.0023	0.0456
1021	8.85	8.05	4.8421	2.7829	-0.0126	7.6124	0.0296	0.023	-0.0021	0.0505
1022	8.66	7.97	4.8418	2.7829	-0.0128	7.6118	0.0363	0.0192	0.0026	0.0581
1023	8.19	7.9	4.8416	2.7827	-0.0128	7.6115	0.0445	0.0194	0.0049	0.0688
1024	7.94	7.81	4.8416	2.7825	-0.0129	7.6112	0.0486	0.0203	0.0037	0.0726
1025	7.39	7.75	4.8418	2.7825	-0.0131	7.6112	0.0551	0.0174	0.0047	0.0772
1026	7.13	7.72	4.8418	2.7831	-0.0133	7.6116	0.059	0.016	0.0041	0.0792
1027	6.93	7.72	4.8415	2.783	-0.0132	7.6113	0.0591	0.0161	0.007	0.0822

1028	7.1	7.75	4.8418	2.7825	-0.0133	7.6109	0.0558	0.0107	0.009	0.0755
1029	7.1	7.77	4.842	2.7823	-0.0131	7.6113	0.0501	0.0135	0.01	0.0736
1030	6.98	7.75	4.8423	2.7826	-0.013	7.6118	0.0475	0.0174	0.0102	0.0751
1031	6.95	7.73	4.8421	2.7828	-0.0132	7.6117	0.0468	0.0196	0.0113	0.0777
1032	7.2	7.69	4.8419	2.7832	-0.0134	7.6117	0.0473	0.0187	0.0123	0.0783
1033	7.47	7.71	4.8416	2.7835	-0.0135	7.6116	0.0444	0.015	0.0095	0.069
1034	7.98	7.73	4.8415	2.7837	-0.0134	7.6118	0.046	0.0179	0.0062	0.07
1035	7.95	7.77	4.8413	2.7838	-0.0131	7.612	0.0499	0.0139	0.0063	0.0701
1036	8.34	7.83	4.8414	2.7835	-0.013	7.6119	0.0493	0.013	0.0087	0.071
1037	8.46	7.9	4.8419	2.7828	-0.0128	7.6119	0.0523	0.0184	0.0082	0.0789
1038	8.45	7.97	4.8428	2.7827	-0.0127	7.6128	0.0624	0.0226	0.0089	0.0938
1039	8.23	8.04	4.8431	2.7826	-0.0124	7.6133	0.0698	0.0243	0.0119	0.106
1040	8.35	8.08	4.8432	2.7824	-0.0121	7.6136	0.069	0.0223	0.0127	0.104
1041	8.05	8.16	4.843	2.7829	-0.0118	7.6141	0.0627	0.0232	0.0142	0.1001
1042	8.44	8.22	4.8431	2.7833	-0.0117	7.6146	0.0642	0.0284	0.0125	0.1051
1043	8.31	8.28	4.8429	2.7838	-0.0115	7.6152	0.0846	0.0333	0.0137	0.1317
1044	8.24	8.33	4.843	2.7845	-0.0116	7.6158	0.0941	0.0307	0.0126	0.1375
1045	8.16	8.37	4.8433	2.7848	-0.0118	7.6163	0.0959	0.0346	0.0128	0.1432
1046	8.28	8.4	4.8433	2.7848	-0.0117	7.6164	0.0923	0.0386	0.013	0.1439
1047	8.44	8.43	4.8435	2.7846	-0.0117	7.6163	0.0927	0.0422	0.0133	0.1481
1048	8.47	8.46	4.8436	2.7847	-0.0118	7.6165	0.0872	0.0514	0.0109	0.1495
1049	7.77	8.48	4.8436	2.7849	-0.0123	7.6162	0.0668	0.0511	0.0088	0.1267
1050	8.47	8.5	4.8439	2.7853	-0.0125	7.6167	0.0473	0.0491	0.0073	0.1036
1051	8.27	8.53	4.8439	2.7857	-0.0126	7.6169	0.0518	0.0531	0.006	0.1109
1052	8.64	8.55	4.8436	2.7856	-0.0127	7.6164	0.0563	0.0463	0.0065	0.1092
1053	8.97	8.57	4.8433	2.7855	-0.0128	7.616	0.0606	0.04	0.0094	0.11
1054	8.74	8.61	4.8434	2.7855	-0.0128	7.6161	0.0479	0.0338	0.0082	0.0899
1055	8.87	8.65	4.8434	2.7855	-0.0128	7.6161	0.0219	0.0267	0.0084	0.0571
1056	8.92	8.68	4.8437	2.7849	-0.0127	7.6158	0.0137	0.0256	0.0089	0.0482
1057	9.06	8.72	4.8439	2.7844	-0.0127	7.6156	0.0007	0.022	0.0116	0.0344
1058	8.66	8.76	4.8438	2.7846	-0.0128	7.6157	-0.0059	0.0134	0.0087	0.0162
1059	8.8	8.81	4.8435	2.7851	-0.0129	7.6158	-0.0074	0.0054	0.0057	0.0037
1060	8.57	8.81	4.8433	2.7857	-0.0129	7.6161	-0.0123	-0.0017	0.0028	-0.0112
1061	8.77	8.85	4.8433	2.786	-0.0131	7.6162	-0.0163	-0.004	-0.0005	-0.0207
1062	8.68	8.87	4.8428	2.786	-0.0134	7.6154	-0.0246	-0.0085	-0.0028	-0.0359
1063	9.14	8.89	4.8425	2.7861	-0.0137	7.6148	-0.0296	-0.0167	-0.0062	-0.0525
1064	8.89	8.92	4.8428	2.7862	-0.014	7.615	-0.0292	-0.0177	-0.0094	-0.0563

1065	8.79	8.92	4.8428	2.786	-0.0137	7.615	-0.0321	-0.036	-0.0099	-0.078
1066	9.27	8.9	4.8427	2.7857	-0.0135	7.6149	-0.0346	-0.0431	-0.0099	-0.0875
1067	9.17	8.89	4.8427	2.7853	-0.0134	7.6145	-0.0363	-0.0544	-0.0102	-0.1009
1068	8.74	8.88	4.8425	2.7848	-0.0133	7.6139	-0.0398	-0.0516	-0.012	-0.1035
1069	8.39	8.87	4.8427	2.7841	-0.0132	7.6136	-0.0444	-0.0477	-0.0112	-0.1033
1070	9.12	8.86	4.8429	2.7839	-0.013	7.6138	-0.0449	-0.0464	-0.0094	-0.1007
1071	9.01	8.85	4.8427	2.7842	-0.0132	7.6137	-0.0429	-0.054	-0.0037	-0.1006
1072	9.3	8.85	4.8421	2.7845	-0.0133	7.6133	-0.0495	-0.0583	0.0011	-0.1066
1073	9.37	8.83	4.842	2.7846	-0.0133	7.6133	-0.0482	-0.0583	-0.0013	-0.1078
1074	8.89	8.84	4.842	2.7846	-0.0134	7.6132	-0.0479	-0.0624	-0.0027	-0.1129
1075	8.51	8.83	4.842	2.7845	-0.0133	7.6132	-0.0445	-0.0632	-0.0062	-0.1139
1076	8.9	8.81	4.8424	2.7846	-0.0134	7.6135	-0.0337	-0.0622	-0.008	-0.1039
1077	8.53	8.8	4.8427	2.7845	-0.0135	7.6138	-0.031	-0.0513	-0.0079	-0.0902
1078	8.48	8.78	4.8431	2.7846	-0.0135	7.6141	-0.0225	-0.0479	-0.0069	-0.0773
1079	8.43	8.78	4.8432	2.7843	-0.0135	7.614	-0.0137	-0.0494	-0.0066	-0.0696
1080	8.56	8.74	4.843	2.7841	-0.0135	7.6136	-0.005	-0.046	-0.0036	-0.0546
1081	8.61	8.71	4.8428	2.7843	-0.0136	7.6136	0.0048	-0.0411	-0.0027	-0.0391
1082	8.74	8.67	4.843	2.7846	-0.0135	7.6141	0.0121	-0.0364	-0.0041	-0.0284
1083	9.16	8.64	4.8426	2.7846	-0.0134	7.6138	0.0124	-0.0301	-0.0047	-0.0224
1084	8.59	8.63	4.8421	2.7849	-0.0133	7.6136	0.0136	-0.0273	-0.0047	-0.0184
1085	8.82	8.64	4.8418	2.785	-0.0134	7.6134	0.0175	-0.0241	-0.0021	-0.0087
1086	8.99	8.64	4.8419	2.7851	-0.0134	7.6136	0.0223	-0.0158	0.0021	0.0086
1087	8.4	8.63	4.842	2.785	-0.0133	7.6137	0.0224	-0.0123	0.0065	0.0166
1088	8.43	8.63	4.8422	2.7852	-0.0134	7.614	0.0251	-0.0173	0.0114	0.0192
1089	8.41	8.63	4.8425	2.7858	-0.0135	7.6148	0.0335	-0.0167	0.0144	0.0313
1090	8.29	8.63	4.8428	2.7858	-0.0135	7.6151	0.0403	-0.016	0.0148	0.0391
1091	8.69	8.64	4.8431	2.7856	-0.0133	7.6154	0.0427	-0.014	0.0166	0.0453
1092	8.73	8.63	4.843	2.7855	-0.0132	7.6153	0.0416	-0.0067	0.0213	0.0563
1093	8.64	8.6	4.843	2.7856	-0.0132	7.6154	0.0433	0.0006	0.0236	0.0675
1094	8.67	8.59	4.8429	2.7855	-0.0133	7.6151	0.0385	0.0063	0.0263	0.0711
1095	8.98	8.58	4.8433	2.7854	-0.0133	7.6154	0.0376	0.0143	0.0249	0.0768
1096	8.36	8.57	4.8437	2.7853	-0.0134	7.6156	0.0388	0.0211	0.0215	0.0814
1097	8.43	8.58	4.8441	2.7846	-0.0132	7.6155	0.0393	0.0233	0.0187	0.0813
1098	8.45	8.58	4.8442	2.7845	-0.0129	7.6158	0.0427	0.0206	0.0201	0.0834
1099	8.52	8.6	4.8441	2.7849	-0.0129	7.6161	0.0449	0.0226	0.0204	0.088
1100	8.78	8.63	4.8438	2.7852	-0.0129	7.6161	0.044	0.023	0.0171	0.084
1101	8.63	8.61	4.8438	2.7853	-0.0129	7.6162	0.044	0.0237	0.0146	0.0823

1102	8.51	8.6	4.8438	2.7855	-0.013	7.6163	0.0429	0.0279	0.0133	0.084
1103	8.41	8.59	4.8438	2.786	-0.0129	7.6169	0.0385	0.0293	0.0132	0.081
1104	8.7	8.58	4.8439	2.7862	-0.0129	7.6172	0.0348	0.028	0.0119	0.0746
1105	8.81	8.57	4.8436	2.7861	-0.013	7.6167	0.0337	0.0293	0.011	0.074
1106	8.69	8.59	4.8435	2.7863	-0.0132	7.6166	0.0328	0.0317	0.0081	0.0725
1107	8.41	8.58	4.8434	2.7866	-0.013	7.617	0.0348	0.0274	0.0051	0.0674
1108	8.77	8.56	4.8432	2.7864	-0.0129	7.6167	0.0376	0.0242	0.0023	0.0641
1109	8.72	8.55	4.8434	2.7866	-0.0129	7.6171	0.0421	0.0214	0.0012	0.0648
1110	8.4	8.54	4.8436	2.787	-0.0129	7.6176	0.0382	0.0222	0.0032	0.0636
1111	8.62	8.51	4.844	2.7875	-0.0129	7.6186	0.0312	0.0265	0.0041	0.0618
1112	8.31	8.48	4.8445	2.7879	-0.0129	7.6195	0.0242	0.0297	0.003	0.0569
1113	8.57	8.46	4.8448	2.7878	-0.0128	7.6199	0.0178	0.0315	-0.0006	0.0486
1114	8.79	8.43	4.8455	2.7881	-0.0127	7.621	0.0155	0.0304	-0.0049	0.0409
1115	8.71	8.4	4.846	2.7881	-0.0126	7.6215	0.0205	0.029	-0.008	0.0415
1116	8.26	8.38	4.8461	2.7884	-0.0126	7.622	0.0207	0.0284	-0.0069	0.0422
1117	8.08	8.39	4.8466	2.7887	-0.0126	7.6226	0.0187	0.0222	-0.0059	0.0351
1118	8.25	8.4	4.8471	2.7884	-0.0127	7.6228	0.0161	0.0146	-0.0043	0.0264
1119	8.61	8.42	4.8472	2.788	-0.0127	7.6225	0.013	0.0106	-0.0034	0.0202
1120	8.14	8.47	4.8469	2.7884	-0.0127	7.6226	0.0137	0.0037	-0.0008	0.0167
1121	7.9	8.51	4.8471	2.7887	-0.0127	7.6231	0.0155	-0.0042	0.0027	0.014
1122	8.04	8.57	4.8466	2.7887	-0.0127	7.6226	0.0106	-0.0058	0.0023	0.0071
1123	8.02	8.61	4.8464	2.789	-0.0125	7.6228	0.0012	-0.0063	-0.001	-0.0061
1124	8.31	8.64	4.8461	2.7888	-0.0123	7.6226	-0.0024	-0.0122	-0.002	-0.0166
1125	8.33	8.7	4.8452	2.7887	-0.0123	7.6216	-0.004	-0.0123	-0.0029	-0.0192
1126	8.63	8.79	4.8449	2.7882	-0.0125	7.6206	-0.0029	-0.0115	-0.0021	-0.0166
1127	8.94	8.87	4.8438	2.7878	-0.0126	7.619	0.0025	-0.0126	-0.0036	-0.0138
1128	9.08	8.95	4.8431	2.7874	-0.0127	7.6179	0.0082	-0.0137	-0.004	-0.0095
1129	9.26	8.99	4.8425	2.7869	-0.0127	7.6167	0.0145	-0.0145	-0.0019	-0.0019
1130	9.38	9.05	4.8418	2.7867	-0.0128	7.6157	0.0157	-0.021	-0.0004	-0.0056
1131	9.48	9.09	4.8409	2.7864	-0.0128	7.6146	0.0127	-0.0224	0.0014	-0.0082
1132	9.34	9.11	4.8406	2.7862	-0.0129	7.6139	0.0094	-0.0197	-0.0003	-0.0106
1133	9.46	9.14	4.8402	2.7862	-0.013	7.6134	0.0077	-0.0141	-0.002	-0.0084
1134	9.87	9.15	4.8397	2.7861	-0.0132	7.6127	-0.0027	-0.0091	-0.0021	-0.0139
1135	9.87	9.13	4.8391	2.7854	-0.0134	7.6111	-0.0114	-0.0062	0.002	-0.0157
1136	9.71	9.11	4.8392	2.7847	-0.0137	7.6102	-0.013	-0.0021	0.0031	-0.012
1137	9.61	9.06	4.8394	2.7845	-0.0139	7.61	-0.0114	-0.0023	0.0043	-0.0094
1138	9.5	9.02	4.8395	2.7844	-0.0141	7.6097	-0.0078	-0.0052	0.0064	-0.0067

1139	9.31	8.94	4.8391	2.7842	-0.0139	7.6094	-0.0059	-0.0076	0.0067	-0.0069
1140	8.64	8.84	4.839	2.7838	-0.0138	7.609	-0.0024	-0.0018	0.0058	0.0015
1141	8.35	8.74	4.8389	2.7836	-0.0139	7.6085	0.0008	0.0047	0.0058	0.0113
1142	8.61	8.65	4.8387	2.7832	-0.0141	7.6079	0.0041	0.0101	0.008	0.0222
1143	8.44	8.57	4.8391	2.7832	-0.0142	7.6081	0.0044	0.0099	0.009	0.0233
1144	8.03	8.45	4.8392	2.783	-0.0141	7.6081	0.0062	0.0107	0.0097	0.0266
1145	8.25	8.34	4.8394	2.7827	-0.0139	7.6082	0.0054	0.0146	0.0092	0.0292
1146	7.98	8.25	4.8394	2.7825	-0.0136	7.6083	0.0101	0.0176	0.0099	0.0376
1147	8.2	8.17	4.8392	2.7825	-0.0137	7.608	0.0109	0.0171	0.0091	0.037
1148	7.81	8.08	4.8391	2.7824	-0.0138	7.6077	0.0171	0.012	0.0111	0.0402
1149	7.54	8	4.8392	2.7826	-0.014	7.6078	0.019	0.0119	0.014	0.0449
1150	7.5	7.96	4.8395	2.783	-0.014	7.6085	0.0188	0.0124	0.0142	0.0455
1151	7.74	7.95	4.8396	2.7829	-0.0139	7.6085	0.0212	0.0146	0.0166	0.0524
1152	7.79	7.91	4.8397	2.7826	-0.014	7.6083	0.0292	0.0192	0.0204	0.0687
1153	7.67	7.89	4.8399	2.7827	-0.014	7.6086	0.0319	0.0259	0.0224	0.0802
1154	7.81	7.89	4.84	2.7826	-0.0139	7.6087	0.0347	0.0308	0.0229	0.0884
1155	8.06	7.88	4.8402	2.7823	-0.0136	7.6088	0.0373	0.033	0.0214	0.0916
1156	8	7.91	4.8402	2.7821	-0.0133	7.6091	0.0344	0.0337	0.0196	0.0877
1157	7.79	7.93	4.8401	2.782	-0.0129	7.6092	0.0338	0.0372	0.0166	0.0876
1158	7.76	7.97	4.8396	2.7825	-0.0129	7.6092	0.0322	0.0424	0.0187	0.0933
1159	7.85	8.03	4.8397	2.7829	-0.0132	7.6094	0.0281	0.041	0.021	0.0901
1160	8.17	8.11	4.8402	2.783	-0.0133	7.6099	0.0271	0.0422	0.0209	0.0902
1161	7.94	8.14	4.8409	2.783	-0.0134	7.6105	0.0304	0.0469	0.0179	0.0951
1162	7.97	8.17	4.8411	2.7829	-0.0134	7.6106	0.032	0.0525	0.017	0.1015
1163	8	8.24	4.8409	2.7831	-0.0133	7.6107	0.0321	0.0499	0.0167	0.0987
1164	8.16	8.31	4.8408	2.7832	-0.0132	7.6108	0.0333	0.0398	0.016	0.0891
1165	8.58	8.36	4.8407	2.7831	-0.013	7.6108	0.0383	0.0359	0.016	0.0902
1166	8.54	8.39	4.8408	2.7835	-0.0129	7.6114	0.0426	0.0309	0.0176	0.0911
1167	8.6	8.43	4.841	2.7838	-0.013	7.6119	0.0443	0.0326	0.019	0.0958
1168	8.68	8.47	4.8412	2.7837	-0.013	7.6119	0.0506	0.0368	0.0197	0.1071
1169	8.92	8.51	4.8413	2.7837	-0.0131	7.6119	0.057	0.0317	0.0184	0.1071
1170	8.45	8.53	4.8414	2.7843	-0.0133	7.6124	0.0572	0.0332	0.018	0.1084
1171	8.34	8.6	4.8416	2.7848	-0.0134	7.613	0.0485	0.05	0.0189	0.1174
1172	8.87	8.68	4.8419	2.7851	-0.0132	7.6139	0.0529	0.055	0.02	0.1279
1173	9.24	8.75	4.8422	2.7858	-0.0131	7.615	0.0457	0.0544	0.0209	0.121
1174	9.02	8.82	4.8424	2.7858	-0.0131	7.6151	0.043	0.0575	0.0204	0.1208
1175	8.56	8.82	4.8423	2.7857	-0.0131	7.6149	0.0398	0.0578	0.022	0.1197

1176	8.52	8.85	4.8421	2.7858	-0.0131	7.6149	0.0307	0.0659	0.0216	0.1183
1177	8.55	8.86	4.8419	2.7859	-0.0131	7.6147	0.0244	0.0631	0.0206	0.1081
1178	8.56	8.9	4.8416	2.786	-0.0133	7.6143	0.0114	0.06	0.0205	0.0919
1179	8.67	8.93	4.8416	2.7864	-0.0135	7.6145	0.0048	0.0539	0.0204	0.0791
1180	9.24	8.99	4.8417	2.7864	-0.0136	7.6144	0.0008	0.0512	0.0193	0.0713
1181	9.51	9.02	4.8419	2.7863	-0.0135	7.6146	-0.0047	0.0456	0.0183	0.0592
1182	9.32	9.02	4.8423	2.786	-0.0133	7.615	-0.0093	0.0398	0.0163	0.0468
1183	9.46	9.01	4.8429	2.7855	-0.0132	7.6152	-0.0128	0.0353	0.0132	0.0357
1184	8.58	9	4.8432	2.7855	-0.0135	7.6152	-0.015	0.036	0.011	0.032
1185	9.03	9	4.8431	2.7852	-0.0137	7.6146	-0.0205	0.0428	0.0071	0.0294
1186	8.91	9.02	4.843	2.7853	-0.0138	7.6145	-0.0272	0.0384	0.0077	0.0189
1187	9.36	9.03	4.8428	2.7855	-0.014	7.6144	-0.0277	0.0299	0.0054	0.0076
1188	9.48	9.05	4.8428	2.786	-0.0141	7.6147	-0.0256	0.0274	0	0.0018
1189	9.49	9.02	4.8427	2.786	-0.014	7.6147	-0.0242	0.0289	-0.0066	-0.002
1190	9.05	8.97	4.8427	2.7853	-0.0141	7.614	-0.0269	0.029	-0.0045	-0.0024
1191	8.87	8.9	4.8426	2.7846	-0.0141	7.6132	-0.025	0.0214	-0.003	-0.0066
1192	8.98	8.85	4.8426	2.7845	-0.0141	7.613	-0.0236	0.0143	-0.0036	-0.0129
1193	8.81	8.8	4.8424	2.7845	-0.0142	7.6127	-0.0255	0.0016	-0.0032	-0.0271
1194	8.66	8.8	4.8424	2.784	-0.0142	7.6122	-0.0203	-0.0029	-0.0029	-0.0262
1195	8.88	8.77	4.8423	2.7836	-0.0143	7.6117	-0.0199	-0.0066	-0.0031	-0.0296
1196	8.6	8.73	4.8426	2.7836	-0.0143	7.6119	-0.0211	-0.0119	-0.0001	-0.0331
1197	9.03	8.69	4.8424	2.7834	-0.0143	7.6115	-0.0187	-0.0209	0.0041	-0.0355
1198	8.03	8.65	4.8423	2.7833	-0.0143	7.6113	-0.0172	-0.0192	0.0039	-0.0326
1199	8.44	8.61	4.8422	2.7836	-0.0143	7.6115	-0.0145	-0.0161	0.0024	-0.0282
1200	8.19	8.59	4.8417	2.7837	-0.0146	7.6108	-0.0156	-0.0137	-0.001	-0.0303
1201	8.35	8.58	4.8409	2.7834	-0.015	7.6093	-0.0148	-0.007	-0.0027	-0.0244
1202	8.49	8.56	4.8406	2.7829	-0.0152	7.6083	-0.0157	-0.0028	-0.0033	-0.0218
1203	8.59	8.56	4.8403	2.7829	-0.0152	7.6081	-0.0156	-0.0011	-0.006	-0.0227
1204	8.42	8.56	4.8402	2.7829	-0.015	7.608	-0.0161	-0.0023	-0.0071	-0.0255
1205	8.12	8.54	4.8402	2.7827	-0.0149	7.608	-0.014	-0.0064	-0.0084	-0.0289
1206	8.66	8.51	4.8401	2.7825	-0.0148	7.6078	-0.0115	-0.0118	-0.0045	-0.0278
1207	8.65	8.46	4.8402	2.7823	-0.0149	7.6076	-0.011	-0.0208	0.0012	-0.0306
1208	8.82	8.47	4.8404	2.7823	-0.015	7.6077	-0.0119	-0.0296	0.0086	-0.033
1209	8.63	8.47	4.8407	2.7824	-0.015	7.6081	-0.017	-0.0291	0.008	-0.0381
1210	8.69	8.46	4.8405	2.7823	-0.0147	7.6081	-0.0194	-0.0248	0.0059	-0.0383
1211	8.53	8.46	4.8408	2.7822	-0.0146	7.6084	-0.0202	-0.0219	0.0052	-0.0369
1212	8.87	8.44	4.8413	2.7829	-0.0145	7.6096	-0.0151	-0.0174	0.0065	-0.026

1213	8.72	8.41	4.8415	2.7838	-0.0144	7.611	-0.016	-0.0184	0.008	-0.0264
1214	8.35	8.39	4.8417	2.7846	-0.0143	7.612	-0.0188	-0.017	0.0084	-0.0274
1215	8.12	8.4	4.8417	2.7851	-0.0144	7.6124	-0.02	-0.016	0.0095	-0.0265
1216	8.06	8.42	4.8417	2.7852	-0.0145	7.6124	-0.0211	-0.0173	0.0094	-0.029
1217	8.24	8.44	4.8415	2.785	-0.0146	7.6119	-0.022	-0.0157	0.0097	-0.028
1218	8.41	8.43	4.8414	2.7852	-0.0145	7.6121	-0.0212	-0.0147	0.0114	-0.0246
1219	7.96	8.42	4.8415	2.7847	-0.0145	7.6117	-0.0233	-0.0166	0.0128	-0.0271
1220	8.33	8.4	4.8421	2.7834	-0.0146	7.6109	-0.0206	-0.017	0.0138	-0.0238
1221	8.17	8.41	4.8418	2.7832	-0.0147	7.6103	-0.019	-0.0083	0.0111	-0.0162
1222	7.97	8.38	4.842	2.7833	-0.0148	7.6105	-0.0159	-0.0009	0.0091	-0.0077
1223	8.19	8.37	4.8421	2.7832	-0.0146	7.6107	-0.0136	0.0051	0.01	0.0016
1224	8.31	8.36	4.8421	2.783	-0.0145	7.6106	-0.0109	0.013	0.01	0.0121
1225	8.94	8.37	4.8421	2.7821	-0.0145	7.6098	-0.011	0.012	0.0095	0.0105
1226	8.96	8.37	4.8424	2.7819	-0.0146	7.6098	-0.0113	0.008	0.0077	0.0044
1227	8.71	8.35	4.8427	2.7818	-0.0146	7.6098	-0.0112	0.004	0.007	-0.0002
1228	8.38	8.34	4.8426	2.782	-0.0147	7.61	-0.0115	0.0001	0.0051	-0.0063
1229	8.43	8.36	4.8425	2.7818	-0.0146	7.6096	-0.0229	-0.0026	0.0008	-0.0247
1230	8.63	8.32	4.8422	2.7821	-0.0146	7.6098	-0.0341	-0.0027	-0.0023	-0.039
1231	8.27	8.31	4.8419	2.7825	-0.0144	7.6099	-0.0452	-0.0091	-0.0044	-0.0587
1232	8.61	8.32	4.8419	2.7827	-0.0142	7.6104	-0.0529	-0.012	-0.0034	-0.0683
1233	8.22	8.33	4.8417	2.7826	-0.0141	7.6102	-0.0558	-0.0155	-0.0021	-0.0734
1234	8.2	8.35	4.8418	2.7819	-0.0139	7.6097	-0.0474	-0.0236	-0.001	-0.0721
1235	8.09	8.33	4.8418	2.7815	-0.0141	7.6092	-0.0325	-0.0219	-0.0041	-0.0586
1236	7.78	8.29	4.8419	2.7818	-0.0142	7.6095	-0.0237	-0.0223	-0.0071	-0.0532
1237	8.28	8.27	4.842	2.7818	-0.0139	7.6098	-0.0218	-0.0241	-0.0079	-0.0538
1238	8.26	8.25	4.8419	2.7815	-0.0135	7.6099	-0.0176	-0.0211	-0.0089	-0.0475
1239	7.75	8.21	4.8418	2.7812	-0.0134	7.6096	-0.0051	-0.0118	-0.0099	-0.0267
1240	7.87	8.17	4.8415	2.7817	-0.0135	7.6097	0.0004	-0.0095	-0.0089	-0.018
1241	8.17	8.15	4.8412	2.7821	-0.0136	7.6098	0.0021	-0.0134	-0.01	-0.0213
1242	8.46	8.13	4.8413	2.783	-0.0138	7.6106	0.0014	-0.0196	-0.0087	-0.0268
1243	8.66	8.14	4.8411	2.7835	-0.0139	7.6107	0.004	-0.0174	-0.0095	-0.0229
1244	8.51	8.14	4.8412	2.7837	-0.0138	7.6111	0.0061	-0.0141	-0.0115	-0.0195
1245	8.33	8.18	4.8415	2.7839	-0.0139	7.6115	-0.0003	-0.0179	-0.0138	-0.032
1246	8.25	8.21	4.8413	2.7846	-0.014	7.6119	-0.0141	-0.0245	-0.0149	-0.0534
1247	8	8.24	4.8409	2.7844	-0.0141	7.6112	-0.013	-0.0241	-0.013	-0.0501
1248	7.68	8.26	4.8405	2.784	-0.0141	7.6105	-0.0141	-0.0287	-0.0119	-0.0547
1249	7.84	8.28	4.8408	2.784	-0.0139	7.6108	-0.0152	-0.0245	-0.0106	-0.0503

1250	7.86	8.31	4.841	2.7837	-0.0137	7.6109	-0.0164	-0.0178	-0.0092	-0.0435
1251	8.34	8.32	4.8411	2.7832	-0.0136	7.6107	-0.0203	-0.0212	-0.0116	-0.0531
1252	8.31	8.32	4.8413	2.7828	-0.0134	7.6106	-0.0213	-0.0268	-0.0162	-0.0642
1253	8.15	8.32	4.8415	2.7829	-0.0133	7.6111	-0.0141	-0.0351	-0.0189	-0.0682
1254	8.84	8.32	4.8414	2.7832	-0.0131	7.6116	-0.0104	-0.0399	-0.0184	-0.0687
1255	8.49	8.31	4.8413	2.7835	-0.0132	7.6116	-0.0057	-0.0395	-0.017	-0.0622
1256	8.76	8.33	4.8413	2.7842	-0.0134	7.6121	-0.0039	-0.0397	-0.0163	-0.0599
1257	8.72	8.38	4.8413	2.785	-0.0138	7.6125	-0.0063	-0.0416	-0.0137	-0.0616
1258	8.02	8.45	4.8413	2.7854	-0.0137	7.613	-0.0061	-0.0446	-0.0131	-0.0638
1259	8.48	8.51	4.8417	2.7854	-0.0138	7.6133	-0.0049	-0.0424	-0.014	-0.0613
1260	8.31	8.56	4.8422	2.7852	-0.0138	7.6136	-0.0068	-0.0392	-0.0148	-0.0608
1261	8.48	8.58	4.8424	2.7848	-0.0141	7.6131	-0.0068	-0.0412	-0.0119	-0.0599
1262	8.69	8.6	4.8427	2.7847	-0.0142	7.6132	-0.007	-0.0345	-0.0109	-0.0524
1263	8.46	8.64	4.8428	2.7848	-0.0141	7.6135	-0.0042	-0.0227	-0.0091	-0.0361
1264	8.23	8.63	4.8428	2.7849	-0.0141	7.6135	-0.0064	-0.0113	-0.0056	-0.0233
1265	8.66	8.64	4.8428	2.7849	-0.014	7.6137	-0.006	-0.0012	-0.0053	-0.0126
1266	8.96	8.61	4.843	2.7851	-0.0139	7.6142	-0.0048	0.0109	-0.0069	-0.0008
1267	8.89	8.61	4.8432	2.7853	-0.0141	7.6143	-0.0025	0.0106	-0.0096	-0.0015
1268	8.94	8.66	4.8435	2.7854	-0.0143	7.6146	-0.0035	0.0105	-0.0117	-0.0047
1269	8.83	8.68	4.8433	2.7854	-0.0145	7.6143	-0.0002	0.0118	-0.01	0.0017
1270	8.71	8.69	4.8433	2.7851	-0.0144	7.614	0.005	0.0047	-0.0083	0.0014
1271	8.78	8.71	4.8432	2.7849	-0.0143	7.6138	0.014	-0.0075	-0.0073	-0.0009
1272	8.85	8.75	4.8433	2.7846	-0.0142	7.6137	0.0085	-0.0099	-0.008	-0.0094
1273	8.63	8.79	4.8433	2.7845	-0.0141	7.6137	0.0139	-0.0072	-0.0059	0.0008
1274	8.73	8.81	4.8435	2.7846	-0.0141	7.6141	0.0089	-0.0058	-0.0029	0.0003
1275	8.17	8.83	4.8435	2.7849	-0.0139	7.6145	0.006	-0.0047	-0.0027	-0.0014
1276	8.69	8.82	4.8432	2.7854	-0.0138	7.6149	0.0087	-0.0059	-0.002	0.0008
1277	9.07	8.81	4.843	2.7859	-0.0136	7.6153	0.0158	-0.0054	-0.0054	0.005
1278	8.81	8.8	4.8439	2.7863	-0.0134	7.6168	0.0192	-0.0087	-0.0087	0.0018
1279	8.6	8.81	4.845	2.7866	-0.0132	7.6184	0.0172	-0.0068	-0.0106	-0.0002
1280	8.82	8.81	4.8462	2.7873	-0.0132	7.6203	0.0107	-0.0095	-0.0093	-0.0081
1281	9.47	8.83	4.8472	2.7875	-0.0132	7.6215	0.0044	-0.0071	-0.009	-0.0117
1282	9.13	8.83	4.8478	2.7876	-0.0131	7.6223	0.0008	-0.0039	-0.0085	-0.0116
1283	8.71	8.83	4.8476	2.7879	-0.0131	7.6224	0.0019	-0.0028	-0.0071	-0.008
1284	9.02	8.85	4.8464	2.7877	-0.0131	7.621	0.0015	-0.0048	-0.0053	-0.0085
1285	8.82	8.88	4.8455	2.7874	-0.013	7.6199	0.0022	-0.0107	-0.0024	-0.0109
1286	8.63	8.87	4.8452	2.7877	-0.013	7.6199	0.0013	-0.0154	-0.0015	-0.0157

1287	8.69	8.88	4.8446	2.7876	-0.0131	7.6191	0.0013	-0.0154	-0.004	-0.0181
1288	9	8.89	4.8433	2.7872	-0.0131	7.6174	0.0034	-0.018	-0.0025	-0.017
1289	8.85	8.92	4.8427	2.7869	-0.0132	7.6165	-0.0009	-0.0189	0.0026	-0.0173
1290	9.01	8.95	4.8425	2.7867	-0.0131	7.6161	-0.0014	-0.0193	0.0044	-0.0164
1291	8.87	8.95	4.8425	2.7866	-0.0132	7.6159	-0.0064	-0.0198	0.0062	-0.02
1292	8.72	8.96	4.8422	2.7862	-0.0132	7.6153	-0.0077	-0.0226	0.0067	-0.0237
1293	9.02	8.97	4.8418	2.7859	-0.013	7.6147	-0.0056	-0.0187	0.0039	-0.0205
1294	8.75	8.97	4.8424	2.7858	-0.0128	7.6154	-0.0067	-0.0171	0.0046	-0.0193
1295	8.61	8.98	4.8437	2.7861	-0.0128	7.617	0	-0.0191	0.0086	-0.0105
1296	9.24	9	4.8439	2.786	-0.013	7.6169	0.0102	-0.0163	0.0109	0.0048
1297	9.03	9.03	4.8438	2.7863	-0.0131	7.617	0.009	-0.0098	0.013	0.0122
1298	9.08	9.03	4.8438	2.7858	-0.0132	7.6164	0.0114	-0.0079	0.0138	0.0173
1299	9.44	9.05	4.8439	2.7854	-0.0134	7.6159	0.0104	-0.0037	0.0142	0.0209
1300	9.4	9.06	4.8437	2.7858	-0.0134	7.6161	0.0164	-0.0004	0.0169	0.0329
1301	9.29	9.05	4.843	2.7861	-0.0134	7.6158	0.0257	-0.0001	0.022	0.0476
1302	8.89	9.04	4.842	2.7864	-0.0133	7.6151	0.0254	0.0068	0.0238	0.056
1303	9.05	9.03	4.8414	2.7869	-0.0134	7.6149	0.0266	0.0132	0.0239	0.0637
1304	9.01	9.02	4.8407	2.7868	-0.0133	7.6142	0.0304	0.0199	0.0217	0.072
1305	9.02	9.04	4.8406	2.7867	-0.0133	7.614	0.029	0.0309	0.0203	0.0802
1306	9.25	9.01	4.8407	2.7867	-0.0134	7.614	0.0268	0.039	0.0139	0.0798
1307	9.09	8.99	4.8408	2.7868	-0.0136	7.614	0.0256	0.0482	0.0072	0.081
1308	9.14	8.98	4.8409	2.7865	-0.0136	7.6138	0.025	0.0577	0.0032	0.0859
1309	9.26	8.95	4.8414	2.7863	-0.0135	7.6142	0.0251	0.0662	0.0034	0.0947
1310	8.59	8.93	4.8412	2.7864	-0.0135	7.6141	0.0266	0.0683	0	0.0948
1311	8.56	8.91	4.8415	2.7857	-0.0135	7.6137	0.0304	0.0655	-0.0014	0.0946
1312	8.78	8.9	4.8417	2.7852	-0.0136	7.6132	0.0335	0.0582	-0.0052	0.0865
1313	8.63	8.88	4.8421	2.7849	-0.0138	7.6133	0.0367	0.0523	-0.0057	0.0833
1314	9.04	8.88	4.8423	2.7847	-0.0138	7.6132	0.036	0.0488	-0.005	0.0798
1315	8.57	8.91	4.8422	2.784	-0.0137	7.6125	0.0274	0.0494	-0.0039	0.073
1316	8.79	8.87	4.842	2.7841	-0.0135	7.6126	0.0168	0.0477	-0.0019	0.0626
1317	8.9	8.85	4.8418	2.7839	-0.0134	7.6124	0.0123	0.0437	-0.0005	0.0554
1318	8.8	8.83	4.8414	2.784	-0.0135	7.6119	0.0131	0.0351	-0.0011	0.047
1319	8.96	8.79	4.841	2.7842	-0.0137	7.6116	0.0155	0.0292	-0.0028	0.0419
1320	9	8.79	4.8407	2.7841	-0.0139	7.6109	0.0163	0.0263	-0.0052	0.0374
1321	8.64	8.79	4.841	2.7842	-0.0139	7.6112	0.0202	0.0171	-0.0056	0.0316
1322	8.7	8.79	4.8406	2.784	-0.0142	7.6104	0.0235	0.0093	-0.0031	0.0296
1323	8.95	8.79	4.8412	2.7838	-0.0143	7.6107	0.0274	0.0018	0.0005	0.0297

1324	9.54	8.75	4.8415	2.7835	-0.0142	7.6108	0.0299	0.0017	0.0043	0.0359
1325	8.58	8.73	4.8412	2.7827	-0.0143	7.6097	0.0311	0.0032	0.0055	0.0399
1326	8.72	8.74	4.8408	2.7825	-0.014	7.6093	0.0307	0.0094	0.0073	0.0474
1327	8.74	8.71	4.8407	2.7827	-0.0137	7.6097	0.0324	0.0134	0.0084	0.0542
1328	8.53	8.72	4.8409	2.7827	-0.0136	7.61	0.0236	0.0207	0.01	0.0544
1329	8.64	8.7	4.8414	2.7827	-0.0137	7.6104	0.0337	0.0219	0.0133	0.0689
1330	8.5	8.66	4.8418	2.7828	-0.0137	7.611	0.0474	0.021	0.0161	0.0845
1331	8.7	8.63	4.8418	2.7829	-0.0136	7.6111	0.0595	0.0266	0.018	0.1041
1332	8.61	8.61	4.8417	2.783	-0.0135	7.6112	0.0699	0.0297	0.018	0.1176
1333	8.3	8.57	4.8416	2.7831	-0.0136	7.6111	0.0786	0.031	0.0185	0.1281
1334	8.28	8.51	4.8416	2.7829	-0.0137	7.6108	0.0791	0.0353	0.0175	0.1319
1335	8.95	8.49	4.8417	2.7831	-0.014	7.6108	0.0696	0.0347	0.0182	0.1225
1336	8.42	8.47	4.8418	2.7833	-0.0138	7.6113	0.0633	0.0283	0.0206	0.1122
1337	8.83	8.44	4.8416	2.7836	-0.0137	7.6115	0.0645	0.0278	0.0215	0.1137
1338	8.69	8.42	4.842	2.7834	-0.0137	7.6116	0.0602	0.028	0.0205	0.1087
1339	8.12	8.39	4.8419	2.7832	-0.0138	7.6113	0.0469	0.0306	0.0228	0.1003
1340	8.13	8.4	4.8421	2.7837	-0.0141	7.6117	0.0383	0.0391	0.0234	0.1007
1341	8.36	8.35	4.842	2.7844	-0.0142	7.6122	0.0325	0.0418	0.024	0.0983
1342	8.22	8.31	4.8418	2.7849	-0.0141	7.6126	0.0259	0.0442	0.0196	0.0898
1343	8.29	8.3	4.8418	2.7852	-0.0143	7.6126	0.022	0.0451	0.0192	0.0863
1344	8.24	8.3	4.8412	2.7856	-0.0147	7.6121	0.0171	0.0471	0.019	0.0832
1345	8.42	8.26	4.8405	2.7855	-0.015	7.611	0.0208	0.0465	0.0221	0.0894
1346	8.14	8.27	4.8404	2.7856	-0.0153	7.6106	0.0339	0.0521	0.0226	0.1086
1347	8.07	8.22	4.8398	2.7852	-0.0155	7.6095	0.037	0.0505	0.0213	0.1087
1348	8.17	8.2	4.8395	2.7844	-0.0155	7.6084	0.0365	0.0541	0.0219	0.1126
1349	8.62	8.22	4.8391	2.784	-0.0156	7.6075	0.036	0.0488	0.0206	0.1055
1350	7.73	8.22	4.8384	2.7837	-0.0159	7.6062	0.0384	0.0447	0.019	0.1021
1351	7.95	8.21	4.8386	2.7825	-0.016	7.6051	0.0366	0.0477	0.016	0.1004
1352	8.05	8.2	4.8387	2.7814	-0.0158	7.6043	0.0324	0.0532	0.017	0.1026
1353	8.3	8.18	4.8384	2.7809	-0.0154	7.6039	0.0219	0.058	0.018	0.0979
1354	8.26	8.18	4.8385	2.7801	-0.0151	7.6036	0.0177	0.063	0.0194	0.1001
1355	8.47	8.16	4.8386	2.7796	-0.0145	7.6036	0.0146	0.0643	0.0176	0.0965
1356	8.05	8.15	4.8387	2.7794	-0.0141	7.604	0.0218	0.0701	0.0157	0.1076
1357	8.25	8.13	4.8388	2.7792	-0.0141	7.6039	0.0257	0.0714	0.0108	0.1079
1358	8.42	8.12	4.8388	2.7788	-0.014	7.6035	0.0307	0.0733	0.0072	0.1112
1359	8.27	8.06	4.839	2.7786	-0.0138	7.6038	0.0275	0.0684	0.0106	0.1066
1360	8.16	8.05	4.8392	2.7787	-0.0137	7.6041	0.0325	0.0637	0.0129	0.1092

1361	8.01	8.02	4.839	2.779	-0.0135	7.6045	0.032	0.064	0.013	0.109
1362	7.92	8	4.839	2.7795	-0.0136	7.6049	0.0372	0.0571	0.0129	0.1072
1363	8.08	7.98	4.8392	2.7799	-0.0136	7.6055	0.042	0.0495	0.0117	0.1032
1364	8.04	7.96	4.84	2.7799	-0.0137	7.6062	0.0447	0.0462	0.0107	0.1016
1365	7.96	7.96	4.8411	2.7801	-0.0138	7.6074	0.0435	0.0423	0.0098	0.0955
1366	7.79	8	4.8418	2.7807	-0.0139	7.6087	0.041	0.0279	0.0079	0.0768
1367	7.91	8.04	4.8419	2.7818	-0.014	7.6096	0.0322	0.028	0.0072	0.0674
1368	7.45	8.09	4.842	2.7825	-0.014	7.6104	0.0217	0.0245	0.007	0.0532
1369	7.59	8.11	4.8417	2.7828	-0.014	7.6105	0.0243	0.0152	0.0067	0.0461
1370	7.48	8.16	4.8413	2.7834	-0.0138	7.6109	0.0223	0.0157	0.0038	0.0418
1371	7.66	8.21	4.8409	2.784	-0.014	7.6108	0.0203	0.0155	-0.0016	0.0342
1372	7.9	8.25	4.8406	2.7844	-0.0142	7.6107	0.0133	0.0119	-0.0023	0.0229
1373	7.87	8.26	4.8403	2.7843	-0.0145	7.6102	0.0085	0.0091	-0.0059	0.0117
1374	8.44	8.3	4.8404	2.7843	-0.0146	7.6101	0.0099	0.0061	-0.0074	0.0086
1375	8.76	8.34	4.8404	2.7839	-0.0146	7.6097	0.0088	0.0052	-0.0071	0.0068
1376	8.98	8.39	4.84	2.7841	-0.0146	7.6095	0.0112	-0.0045	-0.0076	-0.0009
1377	9.52	8.44	4.8407	2.7838	-0.0146	7.6099	0.013	-0.006	-0.0046	0.0024
1378	8.6	8.49	4.8406	2.7841	-0.0147	7.6099	0.0168	-0.0009	-0.0006	0.0153
1379	9.05	8.54	4.8403	2.7845	-0.0148	7.61	0.0202	0.0002	0.0006	0.021
1380	9.02	8.6	4.8403	2.7846	-0.015	7.6099	0.0184	-0.0012	-0.0008	0.0164
1381	8.59	8.63	4.8402	2.7845	-0.015	7.6097	0.0185	0.0021	-0.0027	0.0178
1382	8.43	8.69	4.84	2.7845	-0.015	7.6095	0.015	-0.0002	-0.0018	0.013
1383	8.63	8.73	4.8397	2.7844	-0.0149	7.6092	0.0139	-0.0014	-0.001	0.0115
1384	8.75	8.73	4.8395	2.7842	-0.0149	7.6088	0.0083	-0.0045	-0.0026	0.0012
1385	8.87	8.71	4.8391	2.7846	-0.0151	7.6087	0.0068	-0.0068	-0.003	-0.003
1386	8.77	8.71	4.8388	2.7849	-0.0152	7.6086	0.0077	-0.0003	-0.0062	0.0012
1387	8.44	8.71	4.8385	2.7848	-0.0151	7.6083	0.0089	0.0035	-0.0027	0.0096
1388	8.46	8.74	4.8386	2.7841	-0.0154	7.6073	0.0089	0.0014	-0.001	0.0093
1389	8.59	8.72	4.8389	2.783	-0.0155	7.6064	0.0114	-0.0034	-0.0011	0.0069
1390	8.32	8.7	4.8393	2.7825	-0.0155	7.6063	0.0109	-0.0062	-0.0019	0.0028
1391	8.94	8.71	4.8399	2.7822	-0.0152	7.6069	0.0141	-0.0035	-0.0038	0.0068
1392	8.69	8.71	4.84	2.7817	-0.0151	7.6066	0.014	0.0017	-0.0027	0.013
1393	8.46	8.72	4.8401	2.7812	-0.0149	7.6064	0.0109	0.0069	0.0003	0.0182
1394	8.43	8.73	4.8403	2.7812	-0.015	7.6065	0.0052	0.0074	-0.0014	0.0111
1395	9	8.72	4.8403	2.7809	-0.0151	7.6061	-0.003	0.0074	-0.0056	-0.0012
1396	9.38	8.69	4.8402	2.781	-0.0151	7.606	-0.0073	0.0083	-0.0089	-0.0079
1397	9.2	8.69	4.8401	2.7808	-0.0153	7.6057	-0.0073	0.0127	-0.0121	-0.0067

1398	8.71	8.67	4.8402	2.7809	-0.0153	7.6058	-0.0133	0.0079	-0.0137	-0.0191
1399	8.73	8.64	4.84	2.7809	-0.0153	7.6057	-0.0156	-0.0022	-0.013	-0.0307
1400	8.66	8.62	4.84	2.781	-0.015	7.6061	-0.0173	-0.0075	-0.0142	-0.039
1401	8.53	8.59	4.8398	2.7808	-0.0151	7.6055	-0.0235	-0.0138	-0.0183	-0.0557
1402	8.78	8.56	4.8398	2.7806	-0.0151	7.6053	-0.0218	-0.0281	-0.0206	-0.0706
1403	8.9	8.53	4.8396	2.7806	-0.0153	7.6049	-0.0177	-0.0415	-0.0195	-0.0787
1404	8.71	8.52	4.8393	2.7804	-0.0151	7.6046	-0.0183	-0.0461	-0.0144	-0.0788
1405	8.15	8.47	4.8384	2.7797	-0.0149	7.6032	-0.0141	-0.0509	-0.0097	-0.0747
1406	8.41	8.4	4.8382	2.7796	-0.0145	7.6032	-0.0073	-0.0548	-0.0028	-0.0648
1407	8.17	8.32	4.8377	2.7795	-0.0143	7.6029	-0.0038	-0.0509	0.0005	-0.0542
1408	8.04	8.29	4.8381	2.7797	-0.0147	7.6032	0.0019	-0.0518	0	-0.0499
1409	7.97	8.26	4.8381	2.7799	-0.0148	7.6033	0.0039	-0.058	-0.0003	-0.0544
1410	8.34	8.21	4.838	2.78	-0.0148	7.6032	0.006	-0.0594	0.0011	-0.0523
1411	8.07	8.17	4.8378	2.7799	-0.0148	7.6029	0.0048	-0.0625	0.001	-0.0567
1412	7.89	8.13	4.8375	2.7802	-0.0148	7.6029	0.0031	-0.0598	0.0036	-0.0531
1413	8.22	8.09	4.8377	2.7803	-0.0149	7.6031	0.0008	-0.0483	0.0021	-0.0454
1414	8.02	8.04	4.838	2.7805	-0.0147	7.6037	0.0025	-0.044	0.002	-0.0395
1415	8.01	8.02	4.8381	2.7812	-0.0145	7.6048	0.0115	-0.0439	0.0012	-0.0312
1416	7.81	7.97	4.8387	2.7813	-0.0142	7.6058	0.021	-0.0402	0.0014	-0.0179
1417	8.06	7.95	4.8397	2.7815	-0.0141	7.6071	0.0279	-0.028	0.002	0.0019
1418	8.13	7.97	4.839	2.7825	-0.0142	7.6073	0.0286	-0.0118	0.0015	0.0184
1419	7.81	7.99	4.8388	2.7827	-0.0141	7.6074	0.0286	-0.0042	0.0038	0.0282
1420	7.8	8	4.8386	2.7826	-0.0137	7.6075	0.0241	-0.0016	0.0075	0.03
1421	7.91	8.04	4.8396	2.783	-0.0137	7.609	0.0166	0.0067	0.011	0.0343
1422	8.15	8.1	4.8398	2.7831	-0.0136	7.6093	0.0082	0.0127	0.0093	0.0302
1423	7.85	8.14	4.8402	2.7832	-0.0136	7.6098	-0.0017	0.0189	0.0066	0.0238
1424	7.64	8.2	4.8406	2.783	-0.0135	7.6101	-0.0112	0.0194	0.0075	0.0156
1425	7.47	8.27	4.8401	2.7832	-0.0135	7.6098	-0.018	0.0259	0.0081	0.016
1426	7.85	8.38	4.8395	2.783	-0.0136	7.609	-0.0154	0.0205	0.0112	0.0163
1427	8.38	8.47	4.839	2.7828	-0.0137	7.6081	-0.0237	0.0244	0.013	0.0137
1428	8.32	8.52	4.8389	2.7827	-0.0137	7.6079	-0.0217	0.0232	0.0134	0.0149
1429	8.67	8.58	4.8396	2.7829	-0.0136	7.6088	-0.0272	0.0235	0.0138	0.0101
1430	8.85	8.64	4.84	2.7826	-0.0134	7.6092	-0.0286	0.0216	0.0134	0.0064
1431	8.93	8.71	4.8403	2.7829	-0.0134	7.6098	-0.0283	0.019	0.0111	0.0018
1432	8.96	8.77	4.8403	2.7831	-0.0134	7.61	-0.0294	0.0195	0.0084	-0.0014
1433	9.28	8.87	4.8407	2.7835	-0.0133	7.6109	-0.0281	0.0196	0.0078	-0.0007
1434	9.25	8.95	4.8409	2.7836	-0.0134	7.6111	-0.0248	0.0127	0.0064	-0.0057

1435	9.94	9.06	4.8409	2.7831	-0.0133	7.6107	-0.0197	0.0045	0.0049	-0.0103
1436	9.65	9.14	4.8409	2.7829	-0.0135	7.6103	-0.0199	0.0089	0.0034	-0.0076
1437	9.12	9.17	4.8407	2.7834	-0.0136	7.6106	-0.0195	0.0087	0.0004	-0.0103
1438	9.09	9.19	4.8408	2.7837	-0.0136	7.6109	-0.0136	0.0074	-0.0002	-0.0064
1439	8.87	9.21	4.8409	2.7838	-0.0136	7.611	-0.0135	0.0012	-0.0024	-0.0146
1440	9.13	9.22	4.8407	2.784	-0.0137	7.611	-0.0026	-0.009	-0.0016	-0.0132
1441	9.29	9.2	4.8406	2.7842	-0.014	7.6109	0.0049	-0.0137	0.0002	-0.0085
1442	9.77	9.2	4.8407	2.7842	-0.0142	7.6108	0.0107	-0.0146	0.0041	0.0002
1443	9.19	9.18	4.8413	2.7844	-0.0142	7.6115	0.0102	-0.0138	0.0053	0.0016
1444	9.56	9.19	4.8415	2.7849	-0.0141	7.6122	0.0096	-0.0163	0.0082	0.0016
1445	9.42	9.16	4.8412	2.7847	-0.0141	7.6118	0.0155	-0.0185	0.0076	0.0047
1446	8.96	9.13	4.8411	2.7843	-0.0141	7.6113	0.0238	-0.0229	0.007	0.0078
1447	8.71	9.13	4.8411	2.7844	-0.0141	7.6114	0.0329	-0.019	0.006	0.02
1448	9.06	9.14	4.8411	2.7846	-0.0142	7.6115	0.0378	-0.0139	0.0009	0.0248
1449	8.92	9.18	4.8409	2.7848	-0.0142	7.6114	0.0392	-0.0093	-0.0026	0.0273
1450	8.71	9.2	4.8408	2.7851	-0.0141	7.6117	0.0392	-0.0049	-0.0058	0.0285
1451	8.82	9.22	4.8408	2.7853	-0.0139	7.6122	0.0385	-0.0005	-0.007	0.0309
1452	8.96	9.2	4.8404	2.7856	-0.0139	7.6121	0.0298	-0.0037	-0.0074	0.0187
1453	9.37	9.23	4.8403	2.7855	-0.014	7.6118	0.0303	-0.0102	-0.0063	0.0138
1454	9.36	9.25	4.8399	2.7852	-0.0141	7.611	0.0234	-0.0107	-0.0103	0.0023
1455	9.17	9.26	4.8394	2.785	-0.0143	7.6101	0.0133	-0.0081	-0.0103	-0.0051
1456	9.2	9.28	4.8391	2.7845	-0.0141	7.6094	0.0015	-0.0169	-0.0091	-0.0245
1457	9.23	9.33	4.8386	2.7844	-0.0141	7.6089	-0.0033	-0.0231	-0.0058	-0.0322
1458	9.57	9.36	4.8384	2.7846	-0.014	7.609	-0.0098	-0.0281	-0.0035	-0.0414
1459	9.58	9.39	4.8384	2.7845	-0.0139	7.609	-0.0089	-0.0294	-0.007	-0.0453
1460	9.7	9.41	4.8387	2.7849	-0.0138	7.6098	-0.0125	-0.0293	-0.0093	-0.0511
1461	9.41	9.42	4.8387	2.7849	-0.0139	7.6098	-0.0173	-0.026	-0.01	-0.0532
1462	9.63	9.4	4.8389	2.7843	-0.0138	7.6094	-0.0185	-0.0247	-0.0117	-0.0548
1463	10	9.35	4.839	2.7843	-0.0138	7.6095	-0.0194	-0.0183	-0.0111	-0.0487
1464	9.65	9.35	4.8389	2.7843	-0.0138	7.6093	-0.0172	-0.0197	-0.0127	-0.0496
1465	9.37	9.31	4.839	2.7841	-0.0139	7.6092	-0.0102	-0.0213	-0.0114	-0.0429
1466	9.61	9.29	4.839	2.7835	-0.014	7.6085	-0.0052	-0.0109	-0.0074	-0.0234
1467	9.52	9.25	4.839	2.7829	-0.0142	7.6078	0.0018	-0.0072	-0.0044	-0.0099
1468	9.59	9.18	4.8391	2.7829	-0.0144	7.6076	0.0119	-0.0083	-0.0037	-0.0002
1469	9.11	9.1	4.8393	2.7829	-0.0147	7.6075	0.0007	-0.0046	-0.0032	-0.0071
1470	9.02	9.02	4.8396	2.7828	-0.0149	7.6074	-0.009	-0.0038	0.0003	-0.0124
1471	8.44	8.96	4.84	2.7827	-0.0149	7.6078	-0.0137	-0.0046	0.005	-0.0133

1472	8.57	8.91	4.8407	2.7825	-0.0149	7.6083	-0.0022	-0.0016	0.0053	0.0015
1473	9.2	8.84	4.8415	2.7824	-0.0153	7.6086	-0.0003	-0.0017	0.006	0.004
1474	8.52	8.77	4.8422	2.7817	-0.0154	7.6085	0.0028	-0.0055	0.0071	0.0044
1475	8.81	8.72	4.8419	2.7819	-0.0157	7.6081	0.0068	-0.0098	0.0096	0.0066
1476	8.41	8.66	4.8424	2.7817	-0.0159	7.6081	0.0038	-0.0109	0.0109	0.0038
1477	8.2	8.59	4.8429	2.7815	-0.016	7.6084	-0.0015	-0.0153	0.0122	-0.0046
1478	8.21	8.55	4.8433	2.7817	-0.0161	7.6089	-0.0046	-0.0174	0.0142	-0.0077
1479	8.16	8.51	4.8432	2.7824	-0.0162	7.6093	-0.0041	-0.0221	0.0149	-0.0113
1480	8.26	8.46	4.8431	2.7827	-0.0161	7.6097	0.0003	-0.0221	0.0151	-0.0068
1481	8.65	8.44	4.8431	2.7826	-0.0158	7.6098	0.0022	-0.0216	0.0187	-0.0006
1482	8.63	8.43	4.8428	2.7825	-0.0157	7.6096	0.0036	-0.017	0.019	0.0055
1483	8.44	8.38	4.8422	2.7831	-0.0155	7.6098	0.0027	-0.0196	0.019	0.0021
1484	8.31	8.38	4.8415	2.7838	-0.0154	7.6098	0.0058	-0.0144	0.0199	0.0113
1485	8.41	8.36	4.8411	2.7837	-0.0154	7.6095	0.006	-0.0119	0.0196	0.0138
1486	8.25	8.36	4.8407	2.7841	-0.0152	7.6096	0.0025	-0.0176	0.0211	0.006
1487	8.84	8.38	4.8399	2.7841	-0.0151	7.6089	-0.0011	-0.0224	0.0197	-0.0038
1488	8.26	8.4	4.8399	2.784	-0.0151	7.6088	0.0005	-0.0179	0.0204	0.003
1489	8.15	8.43	4.8391	2.7839	-0.0153	7.6077	0.0088	-0.0066	0.021	0.0231
1490	8.1	8.46	4.8388	2.7839	-0.0155	7.6072	0.013	0.0029	0.023	0.0389
1491	8.33	8.43	4.8388	2.7836	-0.0156	7.6069	0.0128	0.0133	0.0248	0.0508
1492	8.35	8.45	4.839	2.7831	-0.0156	7.6065	0.012	0.0231	0.0214	0.0565
1493	8.53	8.46	4.8391	2.7828	-0.0157	7.6062	0.0154	0.0275	0.0172	0.0601
1494	8.44	8.47	4.8388	2.783	-0.0158	7.606	0.0199	0.0356	0.0148	0.0703
1495	8.34	8.45	4.838	2.7832	-0.0158	7.6054	0.0226	0.0412	0.0141	0.0778
1496	8.55	8.42	4.8369	2.7829	-0.0157	7.604	0.0235	0.0391	0.0148	0.0774
1497	8.62	8.32	4.8364	2.7822	-0.0154	7.6032	0.0231	0.0423	0.0137	0.0791
1498	8.65	8.26	4.8363	2.7818	-0.015	7.6031	0.0217	0.0431	0.0136	0.0785
1499	8.81	8.19	4.8361	2.7814	-0.0147	7.6028	0.0227	0.0427	0.014	0.0794
1500	8.22	8.15	4.8362	2.7811	-0.0143	7.603	0.0221	0.0447	0.0132	0.08
1501	9.02	8.14	4.8368	2.7811	-0.0143	7.6036	0.0238	0.0504	0.0121	0.0862
1502	8.59	8.12	4.8368	2.7816	-0.0145	7.6039	0.0262	0.0528	0.0127	0.0917
1503	8.41	8.1	4.8373	2.7817	-0.0143	7.6047	0.0217	0.0505	0.0116	0.0838
1504	8.12	8.1	4.838	2.7812	-0.0141	7.6051	0.0187	0.0484	0.0084	0.0755
1505	7.55	8.09	4.8382	2.7814	-0.014	7.6057	0.0163	0.0461	0.0068	0.0692
1506	7.11	8.1	4.8385	2.7819	-0.0139	7.6064	0.0078	0.0424	0.0063	0.0565
1507	7	8.11	4.8387	2.7823	-0.0139	7.607	0.0042	0.0258	0.0065	0.0364
1508	6.89	8.13	4.839	2.7826	-0.014	7.6077	-0.0038	0.0257	0.0062	0.0281

1509	7.4	8.17	4.8394	2.7829	-0.0139	7.6084	-0.0053	0.0178	0.0091	0.0216
1510	7.98	8.25	4.8397	2.7826	-0.0138	7.6085	-0.0084	0.0175	0.0107	0.0198
1511	8.03	8.29	4.8396	2.7824	-0.0136	7.6084	-0.01	0.0214	0.0103	0.0218
1512	8.12	8.36	4.8394	2.782	-0.0137	7.6078	-0.0098	0.0195	0.0081	0.0178
1513	8.52	8.45	4.8394	2.7823	-0.0136	7.6081	-0.0083	0.0145	0.0095	0.0157
1514	8.2	8.5	4.839	2.7826	-0.0136	7.6079	-0.009	0.0151	0.01	0.0161
1515	8.75	8.57	4.8386	2.7823	-0.0137	7.6071	-0.0086	0.0178	0.0085	0.0177
1516	8.77	8.72	4.8386	2.782	-0.0138	7.6068	-0.0037	0.0184	0.0053	0.0201
1517	8.99	8.87	4.8385	2.7823	-0.0137	7.6071	-0.0051	0.014	0.0028	0.0117
1518	9.64	9.02	4.8389	2.783	-0.0139	7.608	-0.0052	0.0091	0.0015	0.0055
1519	9.67	9.15	4.8396	2.7831	-0.0141	7.6086	-0.004	0.0071	0.0001	0.0032
1520	9.85	9.26	4.84	2.7831	-0.0142	7.6088	-0.0047	0.0037	-0.003	-0.004
1521	9.86	9.35	4.8398	2.7832	-0.0142	7.6088	-0.0037	0.0005	-0.0045	-0.0077
1522	10.1	9.42	4.8398	2.7833	-0.0142	7.6089	-0.0006	0.0047	-0.0052	-0.0012
1523	9.05	9.46	4.8399	2.7837	-0.0143	7.6094	0.0075	-0.0059	-0.0058	-0.0042
1524	8.98	9.51	4.8399	2.784	-0.0145	7.6094	0.0171	-0.008	-0.0071	0.002
1525	9.96	9.51	4.8397	2.7843	-0.0146	7.6094	0.0259	-0.0165	-0.0046	0.0048
1526	9.74	9.51	4.8397	2.7846	-0.0148	7.6095	0.0238	-0.0189	-0.0059	-0.001
1527	9.78	9.52	4.8395	2.7845	-0.0151	7.6089	0.0255	-0.0228	-0.0078	-0.0051
1528	9.97	9.48	4.8393	2.7849	-0.0152	7.609	0.0228	-0.028	-0.0105	-0.0157
1529	10	9.41	4.8395	2.7851	-0.0151	7.6095	0.0215	-0.0295	-0.0124	-0.0205
1530	9.77	9.36	4.8397	2.7848	-0.0153	7.6092	0.0142	-0.0295	-0.0128	-0.0281
1531	9.43	9.31	4.8399	2.7846	-0.0153	7.6092	0.0075	-0.0273	-0.0128	-0.0326
1532	9.33	9.22	4.84	2.7851	-0.0153	7.6098	0.0091	-0.0244	-0.0112	-0.0265
1533	9.12	9.19	4.8401	2.785	-0.0153	7.6098	0.0085	-0.0179	-0.0078	-0.0172
1534	8.75	9.17	4.8403	2.7848	-0.0153	7.6098	0.0046	-0.0084	-0.0004	-0.0041
1535	8.78	9.09	4.8407	2.7849	-0.0155	7.6101	-0.0014	0.0026	0.003	0.0041
1536	9.01	9.03	4.841	2.7852	-0.0155	7.6107	-0.0006	0.0066	0.0019	0.0079
1537	9	8.97	4.8407	2.7852	-0.0156	7.6103	-0.0027	0.0157	0.0018	0.0148
1538	8.39	8.88	4.84	2.7844	-0.0157	7.6086	-0.011	0.016	0.0036	0.0086
1539	8.85	8.83	4.8395	2.7835	-0.016	7.6071	-0.0101	0.0152	0.0061	0.0112
1540	8.84	8.79	4.8394	2.7827	-0.0162	7.6059	-0.0145	0.0157	0.0047	0.0059
1541	8.5	8.77	4.8394	2.7819	-0.0161	7.6052	-0.0144	0.0185	0.0023	0.0064
1542	8.4	8.77	4.8392	2.7815	-0.0159	7.6048	-0.0126	0.0189	0	0.0063
1543	8.59	8.74	4.8393	2.7809	-0.0157	7.6045	-0.0092	0.017	-0.001	0.0068
1544	8.38	8.73	4.8392	2.7807	-0.0155	7.6045	-0.008	0.0152	-0.0018	0.0054
1545	8.65	8.68	4.8389	2.7808	-0.0156	7.6041	-0.0083	0.019	-0.0019	0.0087

1546	8.65	8.61	4.8388	2.7801	-0.0155	7.6034	-0.0155	0.0232	-0.0008	0.0069
1547	8.25	8.54	4.8389	2.7801	-0.0155	7.6036	-0.0285	0.0274	-0.002	-0.0031
1548	9.03	8.48	4.8388	2.7803	-0.0156	7.6035	-0.0352	0.0187	0.0001	-0.0164
1549	9.02	8.42	4.8386	2.7803	-0.0155	7.6034	-0.036	0.0134	-0.0012	-0.0238
1550	9.14	8.35	4.8384	2.78	-0.0153	7.6031	-0.0398	0.0113	0.0038	-0.0246
1551	9.34	8.3	4.8382	2.78	-0.0152	7.603	-0.0368	0.0091	0.0086	-0.0191
1552	8.53	8.27	4.8382	2.7805	-0.0151	7.6037	-0.0295	0.0105	0.0046	-0.0144
1553	8.47	8.25	4.8384	2.7807	-0.0148	7.6042	-0.0321	0.0131	0.0028	-0.0162
1554	7.95	8.26	4.8383	2.7806	-0.0148	7.6041	-0.0299	0.0073	0.0064	-0.0161
1555	7.54	8.24	4.8386	2.7808	-0.0149	7.6045	-0.0248	0.0028	0.0095	-0.0125
1556	7.7	8.22	4.8387	2.7819	-0.0148	7.6058	-0.0235	0.0014	0.0128	-0.0093
1557	7.4	8.26	4.839	2.7818	-0.0147	7.6061	-0.0231	0.0037	0.013	-0.0064
1558	7.61	8.28	4.8389	2.7828	-0.0149	7.6068	-0.0219	0.0059	0.0131	-0.0028
1559	7.58	8.28	4.8392	2.7828	-0.015	7.607	-0.0174	0.0059	0.0134	0.0019
1560	7.57	8.31	4.8397	2.7828	-0.0148	7.6076	-0.0141	0.0012	0.0128	-0.0001
1561	7.84	8.31	4.8397	2.783	-0.0147	7.608	-0.0107	-0.0099	0.0121	-0.0085
1562	8.21	8.33	4.8397	2.7828	-0.0147	7.6078	-0.0182	-0.0166	0.0099	-0.0249
1563	8.5	8.38	4.8399	2.7828	-0.0148	7.6078	-0.0249	-0.0287	0.0091	-0.0446
1564	8.28	8.48	4.8397	2.7825	-0.0147	7.6076	-0.0332	-0.0294	0.0101	-0.0526
1565	8.23	8.58	4.8394	2.7823	-0.0145	7.6072	-0.0494	-0.0217	0.0112	-0.0598
1566	9.09	8.67	4.8395	2.7821	-0.0143	7.6073	-0.0536	-0.0272	0.0121	-0.0687
1567	9.39	8.76	4.8395	2.782	-0.0143	7.6072	-0.0507	-0.0276	0.0119	-0.0664
1568	8.93	8.84	4.8395	2.7822	-0.0144	7.6073	-0.0436	-0.0221	0.011	-0.0547
1569	9.76	8.92	4.8398	2.7826	-0.0144	7.6079	-0.0299	-0.0129	0.0091	-0.0336
1570	9.33	9.01	4.84	2.7827	-0.0145	7.6082	-0.0126	-0.0074	0.0081	-0.0119
1571	8.89	9.09	4.8401	2.7822	-0.0144	7.6079	0.0015	-0.0058	0.0081	0.0039
1572	9.43	9.16	4.84	2.7831	-0.0143	7.6088	0.0066	-0.0015	0.0077	0.0129
1573	9.79	9.17	4.8398	2.7832	-0.0146	7.6084	0.0101	0.0035	0.0077	0.0213
1574	9.49	9.2	4.8396	2.7834	-0.015	7.608	0.0163	0.0108	0.0073	0.0344
1575	9.34	9.22	4.8396	2.7838	-0.0151	7.6082	0.0181	0.0121	0.0063	0.0364
1576	9.23	9.2	4.8398	2.7839	-0.0151	7.6086	0.0145	0.0137	0.006	0.0342
1577	9.07	9.17	4.8406	2.7843	-0.0149	7.61	0.0072	0.0197	0.0071	0.0339
1578	9.13	9.18	4.8411	2.7847	-0.0149	7.611	0.0033	0.0219	0.0073	0.0324
1579	9.3	9.13	4.8417	2.7853	-0.0149	7.6121	0.006	0.0227	0.0101	0.0387
1580	9.3	9.11	4.8424	2.7854	-0.0148	7.613	0.0074	0.0206	0.0108	0.0388
1581	9.57	9.1	4.8422	2.785	-0.0147	7.6125	0.0114	0.0172	0.0095	0.0381
1582	8.74	9.08	4.8419	2.7843	-0.015	7.6113	0.0163	0.0152	0.012	0.0434

1583	8.87	9.01	4.8417	2.7839	-0.0155	7.6102	0.017	0.0217	0.014	0.0526
1584	8.53	8.97	4.8416	2.7835	-0.0157	7.6094	0.0179	0.031	0.0136	0.0624
1585	8.69	8.94	4.8412	2.7831	-0.0156	7.6087	0.022	0.0381	0.012	0.0721
1586	8.94	8.89	4.841	2.7825	-0.0154	7.6081	0.0266	0.0458	0.0087	0.0811
1587	8.98	8.86	4.841	2.7825	-0.0155	7.608	0.028	0.0548	0.007	0.0897
1588	8.83	8.82	4.8409	2.7825	-0.0157	7.6077	0.0225	0.0584	0.0056	0.0865
1589	8.93	8.76	4.8406	2.7823	-0.0158	7.6071	0.0147	0.0537	0.0027	0.0711
1590	8.8	8.73	4.8402	2.782	-0.0158	7.6065	0.0122	0.0461	-0.0005	0.0578
1591	8.94	8.69	4.8401	2.7817	-0.0156	7.6062	0.0084	0.036	-0.0046	0.0398
1592	8.59	8.67	4.8399	2.7814	-0.0155	7.6058	0.007	0.0273	-0.006	0.0283
1593	8.62	8.68	4.8399	2.7813	-0.0156	7.6057	0.006	0.0216	-0.0048	0.0227
1594	8.76	8.7	4.8396	2.7811	-0.0156	7.6051	0.0048	0.0098	-0.0007	0.0139
1595	8.41	8.68	4.8395	2.7808	-0.0157	7.6047	0.0024	0.0001	0.0024	0.0049
1596	8.4	8.65	4.8398	2.7801	-0.0155	7.6043	-0.0002	-0.0013	0.0042	0.0028
1597	8.34	8.64	4.8399	2.7804	-0.0154	7.6049	0.0026	-0.0099	0.0046	-0.0027
1598	8.23	8.64	4.8399	2.7805	-0.0149	7.6055	0.0029	-0.0117	0.0025	-0.0064
1599	8.82	8.63	4.8401	2.7803	-0.0151	7.6053	0.0001	-0.0124	-0.0005	-0.0128
1600	8.67	8.63	4.8399	2.7802	-0.0152	7.6049	-0.0026	-0.0161	-0.0005	-0.0191
1601	8.5	8.64	4.8397	2.7801	-0.0148	7.6051	-0.0058	-0.021	0.0018	-0.025
1602	8.95	8.66	4.84	2.7803	-0.0147	7.6055	-0.009	-0.019	0.0043	-0.0237
1603	8.96	8.68	4.8403	2.7809	-0.0149	7.6063	-0.0121	-0.0111	0.0065	-0.0168
1604	8.34	8.68	4.8404	2.7809	-0.015	7.6063	-0.0122	-0.0035	0.0078	-0.0078
1605	8.21	8.71	4.8406	2.7812	-0.0152	7.6066	-0.0138	-0.002	0.0071	-0.0086
1606	8.89	8.74	4.8408	2.7815	-0.0152	7.6071	-0.013	0.0027	0.0023	-0.008
1607	8.86	8.76	4.8409	2.7817	-0.0153	7.6073	-0.01	0.0139	0.0011	0.0051
1608	8.73	8.78	4.8408	2.7821	-0.0153	7.6075	-0.0091	0.0162	-0.0012	0.0058
1609	8.85	8.77	4.8408	2.7827	-0.0151	7.6084	-0.012	0.0291	-0.0031	0.014
1610	8.95	8.75	4.8408	2.7836	-0.015	7.6094	-0.0127	0.0295	-0.0029	0.0139
1611	9	8.75	4.8415	2.7841	-0.0146	7.6109	-0.0094	0.0287	-0.0024	0.0169
1612	9.06	8.73	4.8419	2.7849	-0.0146	7.6122	-0.0116	0.0276	-0.0013	0.0147
1613	8.74	8.7	4.8427	2.7852	-0.0146	7.6134	-0.0129	0.0217	-0.0025	0.0064
1614	9	8.73	4.8439	2.7847	-0.0147	7.6139	-0.0113	0.0128	-0.0022	-0.0008
1615	8.98	8.75	4.844	2.785	-0.0149	7.614	-0.0086	0.0069	0.0006	-0.001
1616	8.63	8.73	4.8436	2.7848	-0.015	7.6134	-0.0074	0.0012	0.0033	-0.003
1617	8.62	8.74	4.8428	2.7845	-0.0148	7.6126	-0.0048	-0.0063	0.0047	-0.0064
1618	8.64	8.74	4.8419	2.7843	-0.0148	7.6114	-0.001	-0.0121	0.005	-0.008
1619	8.44	8.76	4.8409	2.7838	-0.0149	7.6098	0.001	-0.0127	0.0027	-0.009

1620	8.42	8.77	4.8398	2.7836	-0.015	7.6085	0.0037	-0.0086	0.0012	-0.0036
1621	8.48	8.78	4.8392	2.7833	-0.015	7.6075	0.0059	-0.0104	0	-0.0044
1622	8.54	8.78	4.8388	2.7829	-0.015	7.6067	0.0088	-0.0202	0.001	-0.0104
1623	8.77	8.79	4.8383	2.7826	-0.015	7.606	0.0127	-0.0168	0.0037	-0.0004
1624	8.59	8.8	4.8381	2.7828	-0.0151	7.6058	0.0177	-0.0181	0.0024	0.002
1625	8.57	8.78	4.8383	2.7829	-0.0152	7.606	0.0167	-0.0172	0.0006	0.0002
1626	9.06	8.76	4.839	2.7826	-0.0155	7.6061	0.0124	-0.0109	-0.0003	0.0012
1627	8.76	8.75	4.8392	2.7823	-0.0158	7.6057	0.0043	-0.0081	0.0004	-0.0034
1628	9.21	8.73	4.8387	2.7826	-0.0162	7.6052	0.0065	-0.0046	0.0036	0.0055
1629	9.05	8.75	4.8388	2.783	-0.0162	7.6056	0.0137	0.0014	0.003	0.0182
1630	9.29	8.78	4.8386	2.7831	-0.0162	7.6054	0.0278	0.0071	0.0015	0.0364
1631	9.04	8.79	4.8383	2.7831	-0.0165	7.6049	0.0374	0.0117	0.0011	0.0503
1632	8.98	8.78	4.8383	2.7829	-0.0167	7.6045	0.0356	0.0102	0.0011	0.0468
1633	9.07	8.76	4.8384	2.7819	-0.0167	7.6036	0.034	0.006	-0.0022	0.0378
1634	8.59	8.76	4.8381	2.781	-0.0165	7.6025	0.033	0.0041	-0.0068	0.0303
1635	8.32	8.77	4.838	2.7803	-0.0163	7.602	0.0277	-0.0017	-0.009	0.0171
1636	8.44	8.77	4.8382	2.7797	-0.0162	7.6017	0.0201	-0.0026	-0.006	0.0115
1637	8.28	8.75	4.8384	2.7794	-0.0162	7.6016	0.0201	-0.0069	-0.004	0.0091
1638	8.89	8.69	4.8385	2.779	-0.016	7.6015	0.0232	-0.003	-0.0055	0.0147
1639	8.86	8.64	4.8383	2.7789	-0.0159	7.6013	0.0254	-0.0034	-0.0061	0.0158
1640	8.66	8.57	4.8386	2.7791	-0.0157	7.6019	0.0218	-0.0053	-0.0051	0.0114
1641	8.32	8.51	4.8387	2.7792	-0.0155	7.6024	0.019	-0.0062	-0.001	0.0119
1642	8.54	8.45	4.8386	2.7793	-0.0154	7.6025	0.0182	-0.0031	0.0028	0.0179
1643	8.59	8.4	4.8388	2.7799	-0.0156	7.6031	0.0154	0.0028	0.005	0.0232
1644	8.76	8.36	4.839	2.7807	-0.0158	7.604	0.0165	0.0067	0.0043	0.0276
1645	8.91	8.35	4.8389	2.7809	-0.016	7.6038	0.0146	0.0098	0.0051	0.0295
1646	8.42	8.36	4.8385	2.7811	-0.0159	7.6037	0.0128	0.0118	0.004	0.0286
1647	8.05	8.36	4.8386	2.7813	-0.0157	7.6042	0.0146	0.0094	0.0041	0.0281
1648	8.16	8.33	4.8388	2.7816	-0.0156	7.6048	0.0167	0.0115	0.0064	0.0346
1649	7.92	8.31	4.8389	2.7819	-0.0154	7.6054	0.0186	0.0112	0.0118	0.0416
1650	7.94	8.32	4.839	2.7821	-0.0155	7.6056	0.0253	0.0098	0.0082	0.0433
1651	7.91	8.31	4.8391	2.7819	-0.0156	7.6054	0.0247	0.0136	0.0074	0.0458
1652	7.95	8.31	4.8395	2.7817	-0.0157	7.6054	0.0265	0.011	0.0102	0.0476
1653	7.93	8.32	4.8396	2.781	-0.0156	7.605	0.0348	0.0113	0.0105	0.0566
1654	8.19	8.33	4.8397	2.7808	-0.0155	7.605	0.0386	0.0177	0.0094	0.0657
1655	8.55	8.32	4.8399	2.7805	-0.0151	7.6053	0.0402	0.0136	0.0106	0.0644
1656	8.29	8.33	4.8397	2.7805	-0.0149	7.6053	0.0407	0.02	0.0064	0.0671

1657	8.4	8.36	4.8399	2.7802	-0.0146	7.6055	0.0417	0.0271	0.0018	0.0707
1658	8.41	8.38	4.8401	2.7799	-0.0146	7.6054	0.042	0.0299	-0.002	0.0698
1659	8.84	8.41	4.8405	2.7798	-0.0147	7.6056	0.0401	0.036	-0.0044	0.0717
1660	8.06	8.47	4.8406	2.7799	-0.0146	7.6059	0.0409	0.0413	-0.0044	0.0777
1661	8.65	8.53	4.8409	2.7802	-0.0146	7.6065	0.0433	0.0473	-0.0025	0.088
1662	8.82	8.58	4.841	2.7807	-0.0145	7.6072	0.0506	0.0454	-0.0004	0.0957
1663	8.8	8.65	4.841	2.7815	-0.0146	7.6079	0.0574	0.0487	-0.001	0.1051
1664	8.75	8.69	4.8406	2.7818	-0.0147	7.6077	0.0646	0.049	0.0014	0.1149
1665	8.57	8.72	4.8401	2.7822	-0.0148	7.6075	0.0762	0.0399	0.0016	0.1176
1666	8.7	8.74	4.84	2.7828	-0.0148	7.608	0.0794	0.0427	-0.0002	0.122
1667	8.47	8.76	4.8396	2.7832	-0.0148	7.608	0.0741	0.0398	-0.0027	0.1111
1668	8.6	8.76	4.8394	2.7834	-0.0147	7.6082	0.0624	0.0352	-0.002	0.0956
1669	9.13	8.75	4.8394	2.7834	-0.0145	7.6083	0.0518	0.03	0.0015	0.0833
1670	8.94	8.79	4.8394	2.7837	-0.0145	7.6086	0.0398	0.0185	0.0022	0.0606
1671	8.98	8.8	4.8392	2.7843	-0.0145	7.609	0.0248	0.018	0.0015	0.0443
1672	9.17	8.82	4.8387	2.7848	-0.0147	7.6088	0.0172	0.0141	0.0005	0.0317
1673	8.98	8.87	4.838	2.785	-0.0148	7.6082	0.0171	0.0074	0.0002	0.0247
1674	9.21	8.89	4.8379	2.7851	-0.015	7.608	0.0197	-0.0011	0.001	0.0196
1675	8.65	8.92	4.8383	2.7849	-0.0151	7.6081	0.02	-0.0012	0.0007	0.0196
1676	8.63	8.93	4.8394	2.7848	-0.0152	7.609	0.0183	0.0009	0.0007	0.0199
1677	8.58	8.94	4.8399	2.7848	-0.0153	7.6094	0.0218	-0.0033	-0.0019	0.0165
1678	8.53	8.93	4.8397	2.7845	-0.0152	7.6091	0.022	-0.0069	-0.0059	0.0092
1679	8.75	8.96	4.839	2.7846	-0.0151	7.6085	0.0163	0.0004	-0.0116	0.0051
1680	8.93	8.95	4.8386	2.7843	-0.0149	7.6079	0.0177	0.0034	-0.0111	0.01
1681	9.27	8.94	4.8386	2.784	-0.0148	7.6078	0.0151	0.0019	-0.0106	0.0064
1682	9.61	8.92	4.8385	2.7837	-0.0147	7.6075	0.015	-0.0004	-0.0149	-0.0003
1683	9.17	8.91	4.8384	2.7835	-0.0148	7.6072	0.0172	0.0011	-0.0181	0.0002
1684	9.13	8.89	4.8388	2.7837	-0.0148	7.6077	0.0157	-0.0079	-0.0182	-0.0104
1685	8.9	8.89	4.8392	2.7833	-0.015	7.6075	0.0136	-0.0126	-0.0137	-0.0128
1686	8.78	8.89	4.839	2.7832	-0.015	7.6072	0.0109	-0.0168	-0.008	-0.0139
1687	8.42	8.89	4.8387	2.7828	-0.0149	7.6066	0.0116	-0.0172	-0.005	-0.0106
1688	9.63	8.9	4.8384	2.7828	-0.0151	7.6061	0.0128	-0.0163	-0.0043	-0.0077
1689	8.79	8.9	4.8384	2.7829	-0.0153	7.606	0.0106	-0.0185	-0.0042	-0.0121
1690	8.79	8.9	4.8383	2.7826	-0.0157	7.6053	0.0053	-0.0222	-0.0045	-0.0214
1691	8.74	8.89	4.8383	2.7821	-0.0159	7.6045	0.0065	-0.0208	-0.0044	-0.0186
1692	8.81	8.83	4.8384	2.7811	-0.016	7.6035	0.0076	-0.0141	-0.0017	-0.0082
1693	8.72	8.81	4.8383	2.7807	-0.016	7.6029	0.0085	-0.0137	0.0014	-0.0038

1694	8.74	8.77	4.8381	2.7801	-0.0161	7.6022	0.0112	-0.0074	-0.0017	0.0021
1695	8.68	8.72	4.8382	2.7797	-0.0161	7.6018	0.0121	-0.003	-0.0036	0.0056
1696	8.53	8.66	4.8383	2.7792	-0.0159	7.6015	0.0053	-0.0008	-0.006	-0.0016
1697	8.71	8.62	4.8382	2.7792	-0.016	7.6014	0.0043	0.0036	-0.0034	0.0045
1698	8.68	8.53	4.838	2.7794	-0.0161	7.6013	0.0055	0.0087	-0.0001	0.0141
1699	8.96	8.5	4.8376	2.7793	-0.0159	7.601	0.0089	0.0123	0.0023	0.0235
1700	9.18	8.46	4.8374	2.7788	-0.0159	7.6003	0.017	0.0255	0.0023	0.0449
1701	8.46	8.43	4.8371	2.779	-0.0158	7.6003	0.0224	0.0311	0.0014	0.0549
1702	8.79	8.4	4.8365	2.7792	-0.0158	7.5999	0.0281	0.0358	0.0007	0.0646
1703	8.3	8.39	4.8364	2.7792	-0.0158	7.5997	0.0387	0.0335	0.002	0.0742
1704	7.94	8.36	4.8364	2.7796	-0.0161	7.5999	0.0425	0.0245	0.0014	0.0684
1705	7.7	8.32	4.8365	2.7792	-0.0159	7.5999	0.0434	0.0196	-0.0001	0.0629
1706	7.67	8.32	4.8366	2.7788	-0.0154	7.6	0.0459	0.0131	0.0043	0.0633
1707	7.89	8.28	4.8367	2.7787	-0.0151	7.6003	0.0453	0.012	0.0085	0.0658
1708	8.17	8.23	4.8367	2.7785	-0.0149	7.6003	0.0467	0.0042	0.012	0.0628
1709	8	8.19	4.8367	2.7786	-0.0147	7.6006	0.0468	-0.0026	0.0127	0.0569
1710	8.15	8.14	4.8365	2.7789	-0.0148	7.6006	0.0485	-0.004	0.0122	0.0567
1711	8.36	8.12	4.8364	2.7795	-0.0146	7.6013	0.0468	-0.0049	0.0157	0.0575
1712	8.56	8.1	4.8362	2.78	-0.0145	7.6017	0.0408	-0.0027	0.0134	0.0515
1713	8.01	8.11	4.8363	2.7803	-0.0147	7.6019	0.0402	0.0053	0.014	0.0595
1714	8.1	8.14	4.8363	2.7808	-0.0149	7.6022	0.0354	0.0037	0.0145	0.0535
1715	8.42	8.19	4.836	2.7807	-0.0149	7.6018	0.0272	0.0033	0.0142	0.0447
1716	7.98	8.26	4.8362	2.7808	-0.0147	7.6023	0.0181	0.0076	0.0104	0.0361
1717	7.78	8.35	4.8366	2.781	-0.0146	7.603	0.009	0.0169	0.0057	0.0316
1718	8.11	8.41	4.8367	2.7813	-0.0149	7.603	0.0024	0.0219	0.0062	0.0304
1719	8.32	8.49	4.8369	2.782	-0.0151	7.6037	0.0013	0.023	0.009	0.0333
1720	8.1	8.56	4.8374	2.7818	-0.0152	7.604	0.0061	0.0217	0.0108	0.0386
1721	8.4	8.6	4.8375	2.7819	-0.015	7.6043	0.008	0.0232	0.0138	0.045
1722	8.47	8.63	4.8371	2.7822	-0.015	7.6043	0.0035	0.0289	0.0157	0.0481
1723	8.48	8.7	4.8363	2.7828	-0.0151	7.604	-0.0051	0.0364	0.014	0.0453
1724	8.66	8.77	4.8361	2.7829	-0.0152	7.6038	-0.0131	0.0439	0.0121	0.0429
1725	9.07	8.8	4.8365	2.7828	-0.0153	7.604	-0.0137	0.0457	0.0081	0.0401
1726	9.48	8.89	4.8368	2.7829	-0.0153	7.6044	-0.0107	0.0474	0.0051	0.0418
1727	9.38	8.98	4.837	2.783	-0.0152	7.6047	-0.0011	0.0416	0.0014	0.0419
1728	9.52	9.05	4.8371	2.7826	-0.015	7.6046	0.0015	0.0443	-0.0006	0.0452
1729	9.44	9.11	4.837	2.7827	-0.0151	7.6046	0.0015	0.038	0.0013	0.0408
1730	9.15	9.19	4.8371	2.7829	-0.0152	7.6048	-0.0059	0.036	0.0019	0.032

1731	9.13	9.24	4.8368	2.7831	-0.015	7.6049	-0.006	0.0323	0.0063	0.0326
1732	9.36	9.29	4.8366	2.7828	-0.0149	7.6045	-0.0029	0.0294	0.0116	0.0381
1733	9.43	9.36	4.8368	2.7826	-0.0148	7.6046	-0.0031	0.0284	0.0123	0.0375
1734	8.99	9.42	4.8367	2.7823	-0.0152	7.6038	-0.0048	0.0292	0.0107	0.0351
1735	9.55	9.44	4.8369	2.782	-0.0155	7.6034	-0.0001	0.0357	0.01	0.0456
1736	9.62	9.46	4.8371	2.7814	-0.0157	7.6028	0.0044	0.0365	0.0088	0.0497
1737	9.43	9.46	4.8372	2.781	-0.0158	7.6024	0.007	0.038	0.0104	0.0553
1738	9.42	9.44	4.8374	2.7809	-0.0156	7.6027	0.0065	0.0313	0.0126	0.0504
1739	9.56	9.43	4.8378	2.7811	-0.0154	7.6035	0.0024	0.031	0.01	0.0434
1740	9.43	9.43	4.8379	2.7812	-0.0153	7.6038	0.0029	0.0315	0.0063	0.0407
1741	9.33	9.44	4.8379	2.7806	-0.0153	7.6032	0.0063	0.0323	0.0034	0.042
1742	9.95	9.42	4.8378	2.7807	-0.0155	7.6029	0.0026	0.0223	0.0033	0.0282
1743	9.65	9.38	4.8377	2.7806	-0.0154	7.6029	0.0014	0.0076	0.0029	0.0119
1744	9.56	9.36	4.8378	2.781	-0.0154	7.6034	-0.0005	0.0064	0.002	0.0079
1745	9.83	9.33	4.8384	2.781	-0.0154	7.604	-0.0013	0.0018	0.0009	0.0015
1746	9.31	9.3	4.8381	2.7807	-0.0156	7.6032	0.0012	-0.0114	0.0019	-0.0083
1747	9.2	9.25	4.8381	2.7804	-0.0157	7.6028	0.0068	-0.0215	0.0055	-0.0092
1748	9.17	9.17	4.8379	2.7804	-0.0158	7.6025	0.0098	-0.0257	0.0065	-0.0094
1749	9.25	9.09	4.8372	2.7794	-0.0157	7.6009	0.0096	-0.0277	0.0092	-0.009
1750	9.24	9.03	4.8367	2.779	-0.0156	7.6001	0.0109	-0.0283	0.014	-0.0034
1751	9.03	8.97	4.8363	2.7784	-0.0157	7.5989	0.0121	-0.0294	0.0143	-0.003
1752	8.71	8.82	4.8356	2.7783	-0.0159	7.598	0.009	-0.0279	0.0155	-0.0034
1753	8.68	8.72	4.8353	2.7786	-0.0158	7.5982	0.003	-0.0263	0.0156	-0.0076
1754	8.92	8.62	4.8353	2.7789	-0.0155	7.5987	0.0021	-0.0268	0.0154	-0.0093
1755	9	8.53	4.8353	2.7792	-0.0156	7.5989	0.0023	-0.023	0.0131	-0.0076
1756	8.49	8.47	4.8352	2.7793	-0.0158	7.5987	0.0034	-0.0267	0.0152	-0.008
1757	7.89	8.43	4.8352	2.7798	-0.0158	7.5992	0.0046	-0.0316	0.0203	-0.0067
1758	8.11	8.4	4.8355	2.7802	-0.0159	7.5997	0.0054	-0.0332	0.0245	-0.0034
1759	8.2	8.36	4.8357	2.7802	-0.0159	7.6	0.006	-0.036	0.0269	-0.0032
1760	8.25	8.33	4.836	2.7804	-0.0162	7.6002	0.0054	-0.0346	0.0289	-0.0003
1761	7.16	8.31	4.8368	2.7805	-0.0159	7.6014	0.003	-0.0323	0.0286	-0.0007
1762	7.67	8.31	4.837	2.7801	-0.0159	7.6013	0.0022	-0.0251	0.0308	0.0079
1763	7.62	8.32	4.8374	2.7811	-0.016	7.6026	-0.0003	-0.0197	0.0322	0.0121
1764	8.11	8.33	4.8379	2.7815	-0.0162	7.6032	0.0007	-0.0163	0.0297	0.0141
1765	8.17	8.35	4.8383	2.7814	-0.0158	7.6039	0.0012	-0.0117	0.0284	0.0178
1766	8.56	8.37	4.8391	2.7811	-0.0154	7.6048	-0.0022	-0.0125	0.0286	0.0139
1767	8.59	8.41	4.8394	2.781	-0.0154	7.605	0.0002	-0.0114	0.0314	0.0201

1768	8.49	8.43	4.8393	2.7811	-0.0156	7.6049	0.005	-0.0091	0.0325	0.0284
1769	8.56	8.44	4.8388	2.7813	-0.0156	7.6044	0.0063	-0.0061	0.0292	0.0294
1770	8.65	8.49	4.8386	2.7814	-0.0159	7.6041	0.0089	0.0023	0.0273	0.0385
1771	8.74	8.57	4.8389	2.7814	-0.0161	7.6042	0.0146	0.0008	0.0271	0.0425
1772	8.98	8.61	4.8392	2.7812	-0.0161	7.6043	0.0159	0.0017	0.0293	0.0469
1773	9.06	8.65	4.8393	2.7806	-0.016	7.6039	0.0112	0.0053	0.03	0.0465
1774	9.3	8.68	4.8393	2.7805	-0.0158	7.604	0.0018	0.0128	0.029	0.0437
1775	8.94	8.71	4.8394	2.7801	-0.0156	7.6039	-0.0011	0.0147	0.0286	0.0422
1776	8.66	8.7	4.8395	2.7806	-0.0153	7.6048	0.0034	0.0138	0.0276	0.0448
1777	8.44	8.7	4.8398	2.7803	-0.0152	7.6049	0.0082	0.0158	0.0275	0.0515
1778	8.42	8.69	4.8396	2.7807	-0.0153	7.6051	0.0106	0.0169	0.0289	0.0564
1779	9.19	8.66	4.8395	2.781	-0.0152	7.6053	0.0122	0.0116	0.0318	0.0556
1780	8.65	8.68	4.8392	2.781	-0.0156	7.6047	0.0114	0.0128	0.0316	0.0559
1781	8.5	8.69	4.8389	2.7811	-0.016	7.604	0.0128	0.016	0.0306	0.0593
1782	8.37	8.71	4.8388	2.7809	-0.016	7.6038	0.0087	0.0193	0.0338	0.0618
1783	8.72	8.72	4.8389	2.7806	-0.0158	7.6036	0.0061	0.0151	0.0359	0.0571
1784	8.65	8.69	4.8388	2.7801	-0.0158	7.6031	0.0088	0.0131	0.0372	0.0591
1785	8.39	8.7	4.8387	2.7797	-0.0159	7.6026	0.0082	0.0074	0.0326	0.0482
1786	8.55	8.72	4.8383	2.7794	-0.016	7.6017	0.0112	0.003	0.0278	0.042
1787	8.39	8.73	4.838	2.7797	-0.0162	7.6015	0.0136	-0.0053	0.0255	0.0337
1788	7.96	8.73	4.8382	2.7797	-0.0161	7.6018	0.0152	-0.0119	0.0248	0.028
1789	9	8.69	4.8381	2.7797	-0.0159	7.6019	0.0199	-0.0148	0.0287	0.0339
1790	9.05	8.7	4.8377	2.7794	-0.016	7.6011	0.0262	-0.0106	0.0309	0.0466
1791	9.23	8.7	4.838	2.7798	-0.0162	7.6016	0.0287	-0.0101	0.0342	0.0528
1792	9.26	8.72	4.8382	2.7804	-0.0163	7.6023	0.0294	-0.0197	0.0339	0.0436
1793	8.78	8.75	4.8383	2.78	-0.0162	7.6021	0.0268	-0.0186	0.0308	0.0391
1794	9.18	8.79	4.8383	2.7799	-0.0162	7.602	0.0263	-0.0197	0.0332	0.0397
1795	8.94	8.84	4.8381	2.7808	-0.0163	7.6026	0.0283	-0.0131	0.0345	0.0497
1796	8.69	8.78	4.8376	2.7813	-0.0165	7.6025	0.0391	-0.0138	0.0352	0.0605
1797	8.41	8.71	4.8372	2.7818	-0.0167	7.6023	0.0352	-0.0197	0.0321	0.0476
1798	8.42	8.57	4.8371	2.7822	-0.017	7.6022	0.0357	-0.0257	0.0307	0.0407
1799	8.75	8.59	4.8365	2.7821	-0.0173	7.6013	0.0328	-0.0272	0.0297	0.0354
1800	8.59	8.59	4.8362	2.7818	-0.0173	7.6006	0.0195	-0.0473	0.0324	0.0047