Test Name	**ACM A2, PIR, rep 1**
Cladding	**Aluminium Composite Material (ACM) A2**
Cladding Thickness [mm]	**4**
Insulation	**Polyisocyanurate (PIR) foam**
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 Polyisocyanurate (PIR) foam insulation panel, separated with a cavity of 50 mm width. It is the first repetition of this system configuration.
Experiment Notes	At approximately 6 minutes some of the core material fell out of the ACM A2 panel, causing a sudden change in the mass measurements as debris fell into the debris tray. At approximately 16 minutes the ACM A2 panel began to touch the insulation panel, affecting the mass measurements.
Peak HRR [kW]	**4.3**
Time to Peak HRR [mins]	**0.47**
Residual HRR [kW]	**0.329**
Total HR [MJ]	**0.319**
Peak dQ/dt [kW/s]	**0.158**
Time to Peak dQ/dt [s]	**0.98**

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	-0.213	-0.213	4.9366	1.8606	-0.0007	6.7965	0.0884	0.3889	0.0162	0.4935
1	-0.0149	0.034	4.9355	1.8599	-0.0006	6.7948	0.0914	0.3805	0.0176	0.4896
2	0.33	0.241	4.935	1.8588	-0.0006	6.7932	0.0972	0.3672	0.0167	0.4811
3	0.47	0.451	4.9347	1.858	-0.0008	6.7919	0.098	0.3553	0.0166	0.4699
4	0.635	0.832	4.9343	1.8573	-0.001	6.7906	0.0898	0.3527	0.0167	0.4592
5	0.83	1.47	4.9339	1.8553	-0.0012	6.788	0.0916	0.3415	0.0134	0.4466
6	1.12	2.25	4.9334	1.8542	-0.0014	6.7862	0.1004	0.3387	0.0112	0.4503
7	1.81	3.16	4.9331	1.8529	-0.0015	6.7845	0.0975	0.3317	0.0091	0.4384
8	2.52	4	4.9326	1.8517	-0.0017	6.7826	0.0964	0.3186	0.0102	0.4252
9	3.73	4.85	4.9326	1.8501	-0.0021	6.7806	0.1034	0.3127	0.0085	0.4246
10	4.9	5.54	4.9326	1.8501	-0.0025	6.7803	0.1039	0.313	0.0115	0.4284
11	6.02	6.26	4.9326	1.8491	-0.0027	6.779	0.1072	0.3126	0.0098	0.4297
12	7.16	6.98	4.932	1.8482	-0.0027	6.7775	0.1111	0.3093	0.0112	0.4316
13	8.35	7.65	4.932	1.847	-0.0028	6.7762	0.1184	0.3049	0.0143	0.4376
14	9.68	8.37	4.932	1.8459	-0.0028	6.7751	0.1251	0.2976	0.0141	0.4367
15	10.1	9.04	4.9322	1.8451	-0.0026	6.7747	0.1229	0.2934	0.0138	0.4302
16	10.6	9.71	4.932	1.8441	-0.0024	6.7737	0.1138	0.2901	0.0125	0.4165
17	11	10.3	4.9321	1.8435	-0.0023	6.7733	0.1092	0.2821	0.0107	0.402
18	13.3	10.9	4.9323	1.8431	-0.0021	6.7733	0.1141	0.2731	0.0076	0.3948
19	12.8	11.3	4.9327	1.843	-0.002	6.7736	0.1191	0.2688	0.0072	0.3951
20	13.7	11.7	4.9329	1.8424	-0.0016	6.7737	0.1354	0.2625	0.0075	0.4053
21	14	12	4.9331	1.8415	-0.0014	6.7732	0.142	0.2615	0.0102	0.4137
22	13.3	12.3	4.933	1.841	-0.0013	6.7727	0.1453	0.259	0.0115	0.4158
23	14.2	12.5	4.9328	1.8405	-0.0016	6.7717	0.1452	0.2554	0.014	0.4146
24	13.7	12.6	4.9327	1.8401	-0.0019	6.7709	0.1439	0.2562	0.0176	0.4177
25	13.7	12.7	4.933	1.8399	-0.002	6.7708	0.1435	0.2575	0.0161	0.4171
26	13.7	12.8	4.9332	1.8396	-0.0019	6.7709	0.1469	0.2555	0.0116	0.414
27	12.6	12.8	4.9332	1.8397	-0.002	6.771	0.1489	0.2536	0.0093	0.4118
28	12.5	12.8	4.9337	1.8403	-0.0023	6.7718	0.1426	0.253	0.0114	0.407

29	11.9	12.7	4.934	1.8407	-0.0025	6.7722	0.1389	0.2491	0.0139	0.4019
30	11.8	12.5	4.9341	1.8408	-0.002	6.7729	0.1303	0.2531	0.0137	0.3971
31	12.5	12.4	4.9343	1.8416	-0.0016	6.7743	0.1225	0.2494	0.0133	0.3852
32	11.9	12.2	4.9345	1.842	-0.0013	6.7752	0.1216	0.2456	0.0114	0.3786
33	12.1	12	4.9345	1.8426	-0.0012	6.7758	0.1203	0.2456	0.0096	0.3756
34	12.1	11.9	4.9348	1.8429	-0.0011	6.7766	0.1215	0.2434	0.0089	0.3738
35	11.9	11.7	4.9347	1.8431	-0.001	6.7768	0.1197	0.2376	0.0082	0.3655
36	12.1	11.6	4.9344	1.8432	-0.0008	6.7768	0.1183	0.2314	0.0081	0.3578
37	12.2	11.5	4.9343	1.8436	-0.0008	6.7771	0.1182	0.23	0.009	0.3572
38	11.1	11.4	4.9338	1.8437	-0.0008	6.7766	0.1181	0.2204	0.0091	0.3476
39	10.9	11.3	4.9325	1.8436	-0.001	6.7751	0.1227	0.2187	0.0102	0.3516
40	10.7	11.2	4.9314	1.8435	-0.0011	6.7738	0.1293	0.2211	0.011	0.3613
41	10.8	11.1	4.931	1.8433	-0.0013	6.7729	0.131	0.2225	0.0094	0.3629
42	10.6	11	4.931	1.8428	-0.0015	6.7723	0.1304	0.2183	0.0073	0.356
43	10.2	10.9	4.9316	1.8424	-0.0016	6.7724	0.1304	0.2105	0.0069	0.3478
44	10.6	10.7	4.9323	1.8422	-0.0017	6.7728	0.1337	0.2053	0.0074	0.3464
45	11.1	10.6	4.9328	1.8421	-0.0016	6.7733	0.142	0.2053	0.0087	0.356
46	11	10.5	4.933	1.8421	-0.0014	6.7737	0.1455	0.2032	0.0116	0.3603
47	10.2	10.4	4.9331	1.8422	-0.0013	6.7739	0.1435	0.1971	0.0132	0.3538
48	10.5	10.3	4.9323	1.8422	-0.0018	6.7728	0.1446	0.1989	0.0151	0.3586
49	10.2	10.2	4.9324	1.8425	-0.0019	6.7729	0.1454	0.2015	0.0152	0.3621
50	10.1	10.2	4.9321	1.8425	-0.002	6.7726	0.1445	0.2025	0.014	0.361
51	9.99	10.1	4.9317	1.8428	-0.002	6.7726	0.1472	0.1902	0.0178	0.3552
52	9.86	9.99	4.9316	1.8431	-0.002	6.7727	0.1396	0.1881	0.0174	0.345
53	9.91	9.94	4.9319	1.8429	-0.002	6.7728	0.1398	0.178	0.0147	0.3325
54	10	9.88	4.9318	1.8431	-0.0018	6.773	0.1367	0.171	0.0112	0.3188
55	9.65	9.78	4.9312	1.8429	-0.0017	6.7724	0.1333	0.1649	0.0063	0.3045
56	10	9.71	4.9312	1.843	-0.0016	6.7726	0.1312	0.1471	0.0009	0.2792
57	9.19	9.66	4.9312	1.8434	-0.0017	6.7729	0.1282	0.1341	-0.0027	0.2596
58	9.96	9.58	4.9307	1.8434	-0.0016	6.7725	0.1292	0.1233	-0.0058	0.2467
59	9.62	9.53	4.9306	1.8431	-0.0018	6.7719	0.1199	0.1067	-0.0085	0.2181
60	8.75	9.48	4.9303	1.8428	-0.0017	6.7714	0.1093	0.0851	-0.0107	0.1838
61	8.94	9.44	4.9299	1.8427	-0.0018	6.7708	0.1019	0.0836	-0.0138	0.1717
62	9.36	9.41	4.9293	1.8427	-0.002	6.77	0.0976	0.0716	-0.015	0.1541
63	9.27	9.37	4.9288	1.8429	-0.002	6.7696	0.0914	0.0623	-0.0152	0.1386
64	9.25	9.34	4.9288	1.8428	-0.002	6.7696	0.0919	0.0498	-0.0158	0.1258
65	9.7	9.34	4.9293	1.8428	-0.0019	6.7701	0.0968	0.0404	-0.0134	0.1238

66	9.27	9.3	4.9295	1.843	-0.0018	6.7707	0.1019	0.0346	-0.0081	0.1285
67	8.88	9.33	4.929	1.8433	-0.0016	6.7708	0.1088	0.0259	-0.0044	0.1303
68	9.24	9.34	4.9286	1.8434	-0.0016	6.7703	0.1181	0.0203	-0.0017	0.1367
69	9.23	9.37	4.9273	1.8435	-0.0016	6.7692	0.1256	0.0178	0.0018	0.1452
70	9.27	9.42	4.9267	1.8433	-0.0018	6.7682	0.1298	0.0207	0.0021	0.1526
71	9.28	9.45	4.9263	1.8433	-0.0019	6.7677	0.1328	0.0211	0.0066	0.1605
72	9.1	9.44	4.9262	1.8433	-0.0021	6.7673	0.1348	0.0166	0.006	0.1574
73	9.5	9.44	4.9261	1.8429	-0.0024	6.7667	0.1349	0.0106	0.0034	0.1488
74	9.52	9.44	4.926	1.8426	-0.0023	6.7663	0.1329	0.0033	-0.0026	0.1336
75	9.39	9.43	4.9256	1.8425	-0.002	6.7661	0.1372	-0.0057	-0.0074	0.124
76	9.72	9.43	4.9253	1.8424	-0.0018	6.7659	0.1449	-0.0144	-0.0077	0.1229
77	10.2	9.45	4.9257	1.8422	-0.002	6.7659	0.1525	-0.02	-0.0055	0.127
78	10.2	9.43	4.9258	1.8422	-0.0022	6.7658	0.1598	-0.0223	-0.0039	0.1336
79	9.74	9.45	4.9264	1.8417	-0.0022	6.7658	0.1703	-0.013	-0.0046	0.1528
80	9.54	9.44	4.9269	1.8417	-0.0022	6.7664	0.1786	-0.0079	-0.0069	0.1638
81	9.08	9.45	4.9268	1.8418	-0.002	6.7666	0.1855	-0.0053	-0.0018	0.1784
82	9.35	9.44	4.9268	1.8415	-0.0019	6.7664	0.1941	0.0031	0.0025	0.1997
83	9.28	9.41	4.9266	1.8415	-0.0018	6.7662	0.2022	0.0075	0.005	0.2147
84	9.35	9.38	4.9266	1.8417	-0.0018	6.7665	0.2054	0.0182	0.0052	0.2287
85	9.28	9.38	4.9266	1.842	-0.0018	6.7668	0.213	0.0217	0.0032	0.238
86	9.32	9.37	4.9265	1.8419	-0.0019	6.7665	0.214	0.0258	0.0018	0.2416
87	8.82	9.36	4.9264	1.8425	-0.0019	6.767	0.2081	0.0295	0.005	0.2427
88	9.62	9.34	4.9259	1.8424	-0.002	6.7663	0.209	0.0292	0.0062	0.2444
89	9.14	9.33	4.9252	1.842	-0.0021	6.7651	0.2064	0.0257	0.0061	0.2382
90	9.41	9.32	4.9249	1.8417	-0.002	6.7646	0.2063	0.0223	0.0045	0.2331
91	8.89	9.35	4.9248	1.8418	-0.0018	6.7648	0.2001	0.0151	0.0014	0.2165
92	9	9.34	4.9247	1.8423	-0.0017	6.7653	0.2019	0.0101	-0.0011	0.2109
93	8.92	9.33	4.9242	1.8426	-0.0018	6.765	0.2043	0.0071	-0.0024	0.209
94	9.48	9.35	4.9233	1.8424	-0.0019	6.7638	0.2108	0.0047	-0.0028	0.2128
95	9.46	9.37	4.9228	1.8424	-0.0022	6.763	0.216	0.0043	-0.0007	0.2196
96	9.98	9.37	4.9229	1.8428	-0.0024	6.7633	0.2183	0.0078	0.0013	0.2274
97	9.73	9.41	4.9226	1.8424	-0.0026	6.7625	0.2178	0.0126	0.0018	0.2323
98	9.6	9.38	4.9224	1.842	-0.0026	6.7618	0.2139	0.01	0.0021	0.226
99	9.37	9.36	4.9224	1.8417	-0.0025	6.7615	0.2066	0.011	-0.001	0.2166
100	9.71	9.36	4.9219	1.8415	-0.0025	6.7609	0.2095	0.0127	-0.003	0.2192
101	9.1	9.39	4.9216	1.8411	-0.0023	6.7603	0.2068	0.014	-0.0064	0.2144
102	9.16	9.37	4.9211	1.841	-0.0021	6.76	0.2049	0.0186	-0.0072	0.2163

103	9.7	9.34	4.921	1.841	-0.0019	6.76	0.2068	0.0173	-0.0061	0.218
104	9.69	9.28	4.9209	1.8408	-0.0017	6.7601	0.2108	0.0096	-0.005	0.2154
105	9.22	9.25	4.9208	1.8406	-0.0013	6.7601	0.2139	0.0091	-0.0034	0.2196
106	9.57	9.17	4.9206	1.8408	-0.0011	6.7603	0.2098	0.0076	-0.004	0.2134
107	9.01	9.12	4.9202	1.8406	-0.0009	6.7598	0.2104	0.0055	-0.0013	0.2146
108	8.94	9.05	4.9206	1.841	-0.0009	6.7607	0.2169	0.0107	-0.0021	0.2255
109	9.36	9.03	4.9217	1.8416	-0.001	6.7622	0.223	0.013	-0.0042	0.2318
110	9.39	9.02	4.9224	1.8418	-0.0011	6.7631	0.2275	0.016	-0.0069	0.2366
111	8.68	9.03	4.9229	1.8419	-0.0012	6.7636	0.2302	0.0179	-0.0053	0.2429
112	8.34	9.01	4.9229	1.842	-0.0012	6.7637	0.2341	0.0201	-0.004	0.2501
113	8.35	8.96	4.9229	1.8421	-0.0012	6.7637	0.2271	0.0231	-0.0056	0.2447
114	8.75	8.93	4.9223	1.8419	-0.0015	6.7627	0.2193	0.0294	-0.0053	0.2433
115	8.59	8.95	4.922	1.8416	-0.0017	6.7619	0.2214	0.0354	-0.0042	0.2526
116	8.73	8.94	4.9212	1.8415	-0.002	6.7607	0.2251	0.0369	-0.0051	0.2569
117	8.38	8.97	4.9203	1.8415	-0.0021	6.7596	0.2258	0.0475	-0.0042	0.2691
118	8.93	9.01	4.9197	1.8413	-0.0023	6.7587	0.2106	0.052	-0.0024	0.2602
119	9.52	9.01	4.9197	1.8409	-0.0022	6.7584	0.1988	0.0542	-0.0044	0.2487
120	9.23	9.02	4.9196	1.8403	-0.0023	6.7577	0.1869	0.0548	-0.0072	0.2345
121	8.87	9.04	4.9196	1.8398	-0.002	6.7575	0.1847	0.0462	-0.0121	0.2188
122	8.68	9.09	4.9195	1.8399	-0.0016	6.7578	0.1844	0.042	-0.0148	0.2115
123	9.18	9.16	4.9195	1.8402	-0.0014	6.7583	0.1818	0.0402	-0.0166	0.2053
124	9.59	9.19	4.919	1.8407	-0.0012	6.7585	0.1812	0.0366	-0.0176	0.2002
125	9.38	9.25	4.9185	1.8413	-0.0013	6.7585	0.182	0.031	-0.0153	0.1976
126	9.56	9.34	4.918	1.8416	-0.0014	6.7582	0.1802	0.0238	-0.0118	0.1922
127	9.71	9.37	4.9172	1.8419	-0.0016	6.7576	0.1805	0.0204	-0.0091	0.1918
128	9.3	9.45	4.9167	1.8416	-0.0018	6.7565	0.1884	0.0227	-0.0089	0.2023
129	9.56	9.45	4.9161	1.8415	-0.0018	6.7559	0.1972	0.0215	-0.0112	0.2074
130	9.15	9.44	4.9156	1.8413	-0.0018	6.7551	0.2142	0.0162	-0.012	0.2185
131	9.33	9.46	4.9148	1.8413	-0.0018	6.7543	0.2257	0.0088	-0.0118	0.2226
132	9.64	9.48	4.9143	1.8413	-0.0018	6.7538	0.2302	0.0035	-0.0104	0.2233
133	9.29	9.49	4.9139	1.8407	-0.0017	6.7529	0.2348	0.0006	-0.009	0.2264
134	9.81	9.47	4.9135	1.8407	-0.0014	6.7528	0.2384	0.0015	-0.007	0.2329
135	10.3	9.44	4.9133	1.8405	-0.0012	6.7526	0.2419	0.0045	-0.0043	0.2421
136	9.07	9.42	4.9136	1.8403	-0.0013	6.7526	0.246	0.0112	-0.0012	0.2561
137	10.5	9.41	4.9134	1.8407	-0.0014	6.7527	0.2464	0.0126	-0.0018	0.2573
138	9.52	9.41	4.9131	1.8411	-0.0014	6.7528	0.2498	0.0243	-0.0012	0.2729
139	9.07	9.45	4.9118	1.8414	-0.0015	6.7518	0.2477	0.0284	-0.0025	0.2736

140	9.12	9.49	4.9114	1.842	-0.0013	6.7522	0.2387	0.0266	-0.0019	0.2634
141	9.11	9.52	4.9108	1.8422	-0.0012	6.7518	0.2396	0.0255	-0.0015	0.2636
142	9.36	9.53	4.9106	1.8421	-0.0013	6.7514	0.2399	0.0287	-0.0007	0.268
143	9.22	9.56	4.9105	1.842	-0.0014	6.7511	0.2371	0.0347	-0.0004	0.2713
144	8.83	9.54	4.9107	1.8417	-0.0016	6.7508	0.2345	0.0419	0.0034	0.2799
145	9.17	9.49	4.911	1.8413	-0.0017	6.7506	0.2261	0.0407	0.0029	0.2696
146	9.53	9.49	4.9112	1.8409	-0.0016	6.7505	0.2232	0.0451	-0.0011	0.2672
147	9.26	9.41	4.9117	1.8412	-0.0015	6.7513	0.2278	0.0513	-0.0049	0.2742
148	10.3	9.42	4.9116	1.8412	-0.0017	6.7511	0.2242	0.051	-0.0108	0.2645
149	9.86	9.43	4.9114	1.8412	-0.0016	6.751	0.2278	0.0502	-0.0117	0.2663
150	9.89	9.46	4.9115	1.8411	-0.0014	6.7512	0.2271	0.047	-0.013	0.2612
151	9.85	9.47	4.9113	1.8409	-0.0013	6.751	0.2238	0.045	-0.0128	0.256
152	9.85	9.49	4.9109	1.8413	-0.0014	6.7509	0.2193	0.0431	-0.0114	0.251
153	9.56	9.51	4.9109	1.8419	-0.0015	6.7513	0.2119	0.0455	-0.0098	0.2476
154	9.31	9.56	4.9104	1.8422	-0.0015	6.7511	0.2088	0.049	-0.0092	0.2485
155	9	9.57	4.9102	1.8422	-0.0013	6.751	0.2032	0.048	-0.0058	0.2454
156	8.88	9.58	4.9102	1.8424	-0.0015	6.7511	0.1988	0.0456	-0.0001	0.2443
157	9.75	9.57	4.9095	1.8423	-0.0015	6.7504	0.1972	0.0542	0.0008	0.2523
158	9.39	9.52	4.9084	1.8421	-0.0012	6.7494	0.1938	0.0474	0.0061	0.2473
159	9.51	9.52	4.9078	1.8415	-0.0011	6.7482	0.201	0.0518	0.0092	0.262
160	9.37	9.51	4.9072	1.841	-0.0012	6.7471	0.2165	0.0568	0.0092	0.2825
161	9.76	9.49	4.9065	1.8407	-0.0014	6.7458	0.229	0.0612	0.0084	0.2986
162	9.68	9.44	4.9066	1.8404	-0.0014	6.7456	0.2392	0.0642	0.0065	0.31
163	9.63	9.38	4.9069	1.8399	-0.0015	6.7453	0.2408	0.065	0.006	0.3118
164	9.5	9.35	4.9067	1.8393	-0.0016	6.7444	0.2393	0.0627	0.0037	0.3057
165	9.64	9.34	4.9068	1.8391	-0.0014	6.7444	0.2355	0.0562	-0.0012	0.2905
166	9.02	9.31	4.9069	1.8382	-0.0014	6.7438	0.2349	0.0513	-0.0021	0.2841
167	9.35	9.27	4.908	1.8381	-0.0014	6.7447	0.2319	0.0483	-0.0036	0.2766
168	9.88	9.23	4.9087	1.8379	-0.0012	6.7455	0.2284	0.0451	-0.004	0.2696
169	9.71	9.2	4.9086	1.838	-0.0009	6.7458	0.2311	0.0399	-0.0071	0.264
170	9.6	9.19	4.9082	1.8387	-0.0006	6.7463	0.2336	0.0339	-0.0073	0.2602
171	8.78	9.15	4.9079	1.8391	-0.0004	6.7465	0.238	0.0261	-0.008	0.256
172	8.41	9.15	4.908	1.8392	-0.0005	6.7468	0.24	0.0241	-0.0033	0.2607
173	8.8	9.14	4.908	1.8393	-0.0006	6.7467	0.2442	0.0303	0.0013	0.2758
174	8.72	9.18	4.9078	1.8395	-0.0008	6.7466	0.2549	0.0415	0.005	0.3014
175	8.47	9.23	4.9076	1.8401	-0.0008	6.7469	0.2527	0.0496	0.0057	0.3081
176	8.88	9.32	4.9073	1.8403	-0.0009	6.7467	0.2493	0.0615	0.0043	0.315

177	8.69	9.33	4.9068	1.8399	-0.0011	6.7456	0.2531	0.0757	0.004	0.3328
178	8.97	9.3	4.9061	1.8401	-0.0011	6.7451	0.2474	0.0808	0.0003	0.3285
179	9.06	9.3	4.905	1.84	-0.001	6.744	0.2377	0.0829	-0.005	0.3155
180	9.04	9.33	4.9043	1.8408	-0.001	6.7441	0.225	0.0787	-0.0069	0.2969
181	9.61	9.4	4.9038	1.8414	-0.001	6.7442	0.2173	0.0768	-0.0065	0.2876
182	9.55	9.48	4.9033	1.8415	-0.001	6.7438	0.2082	0.0773	-0.008	0.2775
183	10.2	9.56	4.9028	1.8413	-0.0011	6.7429	0.1975	0.0803	-0.0084	0.2694
184	10.6	9.58	4.9024	1.8413	-0.0014	6.7423	0.1906	0.0754	-0.0079	0.2581
185	10.7	9.65	4.902	1.8409	-0.0017	6.7412	0.1876	0.0719	-0.0036	0.2558
186	9.54	9.68	4.9019	1.8406	-0.0017	6.7408	0.1877	0.0681	0.0003	0.256
187	9.39	9.74	4.9014	1.8401	-0.0018	6.7397	0.1924	0.0668	0.0017	0.2609
188	9.66	9.77	4.9011	1.8396	-0.0018	6.739	0.1873	0.0702	0.001	0.2584
189	10.2	9.79	4.9013	1.8393	-0.0019	6.7387	0.1893	0.0813	0.002	0.2725
190	10.1	9.8	4.9009	1.8391	-0.0018	6.7382	0.1802	0.0852	0.0044	0.2697
191	9.95	9.79	4.9008	1.8389	-0.0017	6.7381	0.1833	0.0938	0.0049	0.2819
192	10.2	9.79	4.901	1.8389	-0.0017	6.7381	0.1861	0.0919	0.0042	0.2823
193	9.24	9.76	4.9008	1.8384	-0.0021	6.7371	0.1984	0.0888	0.0062	0.2935
194	9.62	9.71	4.9007	1.8383	-0.0022	6.7368	0.2069	0.0901	0.0068	0.3038
195	9.49	9.62	4.9005	1.8379	-0.0021	6.7363	0.2133	0.0938	0.0031	0.3102
196	9.83	9.58	4.9001	1.8376	-0.0019	6.7359	0.2164	0.0923	0.002	0.3107
197	9.58	9.53	4.9002	1.8373	-0.0015	6.736	0.2189	0.0873	0.003	0.3092
198	9.49	9.53	4.8996	1.8369	-0.0014	6.7351	0.2249	0.0955	0.0038	0.3243
199	9.18	9.48	4.8996	1.8369	-0.0012	6.7354	0.2276	0.099	0.0031	0.3297
200	9.34	9.43	4.8995	1.837	-0.0012	6.7353	0.2343	0.1017	0.0079	0.3439
201	9.63	9.41	4.8997	1.8367	-0.0012	6.7352	0.2416	0.1039	0.0104	0.3559
202	9.58	9.37	4.8999	1.8365	-0.0011	6.7352	0.2385	0.1027	0.0112	0.3523
203	9.64	9.39	4.9001	1.8361	-0.001	6.7352	0.2357	0.1092	0.0105	0.3554
204	9.01	9.38	4.9006	1.836	-0.0011	6.7356	0.2387	0.1224	0.0105	0.3716
205	8.81	9.38	4.9009	1.8361	-0.0013	6.7357	0.2342	0.1261	0.0082	0.3686
206	8.42	9.36	4.9009	1.8354	-0.0012	6.7351	0.2344	0.1261	0.0087	0.3693
207	9.64	9.36	4.9008	1.8359	-0.0015	6.7351	0.239	0.1313	0.0063	0.3766
208	9.27	9.39	4.9005	1.8359	-0.0018	6.7345	0.2387	0.13	0.0071	0.3758
209	9.33	9.45	4.9	1.8359	-0.0019	6.734	0.226	0.132	0.0122	0.3702
210	9.55	9.51	4.8995	1.8357	-0.002	6.7332	0.2222	0.1316	0.0122	0.3661
211	9.44	9.54	4.8989	1.8355	-0.0018	6.7326	0.2168	0.1256	0.0054	0.3477
212	9.48	9.6	4.8988	1.8355	-0.0018	6.7325	0.2117	0.115	-0.0003	0.3264
213	9.58	9.65	4.8989	1.8358	-0.0016	6.7331	0.2173	0.1041	-0.001	0.3204

214	9.44	9.72	4.8988	1.8362	-0.0014	6.7337	0.2242	0.0939	-0.0001	0.318
215	9.48	9.77	4.8985	1.8365	-0.0015	6.7334	0.2253	0.0827	-0.0014	0.3066
216	9.56	9.85	4.898	1.8366	-0.0016	6.733	0.2286	0.0791	0.0006	0.3082
217	10.1	9.85	4.8974	1.8369	-0.0017	6.7327	0.2309	0.071	0.001	0.3029
218	10.2	9.92	4.8966	1.8374	-0.0016	6.7324	0.2522	0.0717	-0.0007	0.3232
219	10.5	9.98	4.8963	1.8375	-0.0015	6.7323	0.263	0.075	0.0015	0.3395
220	10.2	10	4.8958	1.8377	-0.0014	6.7321	0.2622	0.0784	0.005	0.3456
221	10.7	10.1	4.8956	1.8374	-0.0016	6.7314	0.2556	0.0828	0.0076	0.346
222	10.6	10.1	4.8951	1.8369	-0.0017	6.7302	0.2474	0.0881	0.0082	0.3436
223	10.2	10.2	4.894	1.8361	-0.0019	6.7282	0.2525	0.0895	0.0074	0.3494
224	9.86	10.2	4.8937	1.8357	-0.0018	6.7276	0.2592	0.0896	0.0056	0.3544
225	9.95	10.3	4.8936	1.8352	-0.0017	6.727	0.2649	0.0927	0.0049	0.3625
226	9.62	10.3	4.8927	1.834	-0.0018	6.7249	0.2698	0.1054	0.0058	0.381
227	10.5	10.3	4.8925	1.8339	-0.0016	6.7247	0.2687	0.1133	0.0067	0.3887
228	10.5	10.3	4.8929	1.8334	-0.0013	6.725	0.2692	0.1084	0.0079	0.3855
229	10.4	10.3	4.8936	1.8337	-0.0011	6.7262	0.2618	0.1165	0.0112	0.3896
230	10	10.3	4.8938	1.8337	-0.0012	6.7263	0.2474	0.1215	0.012	0.381
231	10.1	10.3	4.894	1.8336	-0.001	6.7266	0.2474	0.1399	0.0125	0.3998
232	11.2	10.3	4.8946	1.8332	-0.001	6.7268	0.2498	0.1492	0.014	0.413
233	10.6	10.2	4.8948	1.8332	-0.001	6.7271	0.2514	0.149	0.0131	0.4134
234	10.1	10.3	4.8947	1.8335	-0.0011	6.7272	0.2483	0.1475	0.0105	0.4063
235	10.4	10.3	4.8946	1.8337	-0.0012	6.727	0.255	0.1489	0.009	0.4129
236	10.7	10.3	4.8943	1.8336	-0.0015	6.7265	0.2567	0.147	0.0047	0.4084
237	10.4	10.4	4.8947	1.8336	-0.0015	6.7268	0.2524	0.1414	0.0031	0.3969
238	9.86	10.4	4.8942	1.833	-0.0016	6.7255	0.2426	0.1389	0.004	0.3856
239	10.3	10.4	4.8938	1.8329	-0.0019	6.7248	0.2413	0.1386	0.0066	0.3865
240	10.1	10.4	4.8931	1.8326	-0.0018	6.724	0.2514	0.1411	0.0064	0.3989
241	9.97	10.5	4.8922	1.833	-0.0017	6.7236	0.2522	0.1474	0.0032	0.4028
242	10.1	10.5	4.8907	1.8333	-0.0019	6.722	0.2591	0.1545	0.001	0.4146
243	10.4	10.5	4.8898	1.8329	-0.002	6.7207	0.2639	0.1561	-0.001	0.419
244	10.5	10.6	4.8894	1.8323	-0.0019	6.7198	0.2653	0.1466	-0.0044	0.4075
245	10.3	10.6	4.8893	1.8321	-0.0019	6.7195	0.2666	0.1448	-0.0048	0.4066
246	11.2	10.6	4.8893	1.8321	-0.0019	6.7195	0.2673	0.1374	-0.0069	0.3978
247	10.9	10.6	4.8892	1.8316	-0.0019	6.7189	0.2673	0.1307	-0.0043	0.3937
248	10.5	10.7	4.8889	1.8312	-0.002	6.7181	0.27	0.1301	0.0009	0.4011
249	10.5	10.7	4.888	1.831	-0.0024	6.7166	0.2692	0.1228	0.0007	0.3927
250	11.1	10.8	4.8873	1.8307	-0.0024	6.7156	0.2717	0.123	0.006	0.4007

251	10.7	10.8	4.8874	1.8307	-0.0024	6.7157	0.2744	0.1232	0.0062	0.4037
252	11.3	10.9	4.8874	1.8304	-0.0024	6.7154	0.2784	0.1179	0.007	0.4034
253	11.6	10.9	4.887	1.8297	-0.0026	6.7141	0.2834	0.1132	0.0076	0.4042
254	11.2	10.9	4.8869	1.8296	-0.0023	6.7142	0.2897	0.1046	0.0092	0.4035
255	10.6	10.9	4.8868	1.8296	-0.0022	6.7141	0.2996	0.1005	0.008	0.408
256	10.5	10.9	4.8863	1.8293	-0.0021	6.7135	0.3168	0.0976	0.0058	0.4203
257	11.6	10.8	4.8857	1.8293	-0.0022	6.7128	0.3285	0.0917	0.0038	0.424
258	10.8	10.8	4.8858	1.8289	-0.0024	6.7123	0.3306	0.0979	0.0024	0.4309
259	11.2	10.8	4.8856	1.8284	-0.0023	6.7116	0.326	0.1002	0.0027	0.4289
260	11	10.8	4.8856	1.8285	-0.0017	6.7123	0.3192	0.1097	0.0017	0.4306
261	11.3	10.8	4.8853	1.8292	-0.0014	6.7132	0.3161	0.1125	0.001	0.4297
262	10.5	10.7	4.8849	1.83	-0.0013	6.7135	0.3105	0.1207	-0.001	0.4302
263	10.7	10.7	4.8844	1.8305	-0.0015	6.7135	0.3114	0.1294	-0.0056	0.4351
264	10.6	10.7	4.8841	1.831	-0.0014	6.7137	0.3172	0.1318	-0.0067	0.4423
265	9.92	10.8	4.8839	1.8312	-0.0015	6.7136	0.3163	0.1354	-0.004	0.4477
266	10.3	10.8	4.8838	1.8312	-0.0015	6.7135	0.3127	0.1352	-0.006	0.4418
267	10.2	10.8	4.8828	1.831	-0.0013	6.7124	0.3085	0.1343	-0.0078	0.435
268	10.3	10.9	4.8824	1.8304	-0.0013	6.7115	0.304	0.1369	-0.0055	0.4355
269	10.2	10.9	4.8824	1.8302	-0.0014	6.7112	0.2998	0.144	-0.003	0.4408
270	10.5	10.9	4.8827	1.8304	-0.0014	6.7117	0.3017	0.1473	-0.0021	0.4469
271	11.1	11	4.8832	1.8302	-0.0013	6.7121	0.3037	0.1475	-0.0045	0.4467
272	10.8	11	4.8828	1.8303	-0.0012	6.7119	0.3101	0.1441	-0.0063	0.4478
273	11.2	11.1	4.8821	1.8303	-0.0012	6.7112	0.3084	0.1363	-0.006	0.4387
274	11.7	11.1	4.8814	1.8302	-0.0013	6.7103	0.2996	0.1251	-0.0041	0.4206
275	11.4	11.2	4.8806	1.8296	-0.0014	6.7088	0.3025	0.1217	-0.0005	0.4237
276	11.4	11.3	4.8804	1.829	-0.0016	6.7078	0.3068	0.1204	0.0033	0.4306
277	11.9	11.4	4.8799	1.829	-0.0019	6.7071	0.3017	0.1184	0.0024	0.4226
278	11.8	11.4	4.8799	1.8284	-0.0022	6.7062	0.3111	0.1291	0.0047	0.4448
279	11.5	11.5	4.8802	1.8279	-0.0022	6.7059	0.3162	0.1261	0.009	0.4512
280	12.2	11.5	4.8796	1.8268	-0.0022	6.7042	0.3254	0.1411	0.0119	0.4784
281	11.8	11.5	4.8788	1.8265	-0.0024	6.7029	0.3308	0.147	0.0115	0.4893
282	11.4	11.5	4.8782	1.8266	-0.0023	6.7024	0.3373	0.1526	0.0121	0.5019
283	11.5	11.6	4.8779	1.8266	-0.0022	6.7023	0.3429	0.1448	0.0078	0.4954
284	11.5	11.6	4.8769	1.8264	-0.0023	6.701	0.3469	0.1381	0.0041	0.4891
285	11.5	11.6	4.8764	1.8262	-0.0022	6.7004	0.3433	0.1444	0.0039	0.4917
286	12.1	11.6	4.8766	1.8265	-0.002	6.7011	0.3355	0.1491	0.0047	0.4894
287	11.6	11.5	4.8772	1.8262	-0.0022	6.7012	0.3321	0.1481	0.0034	0.4835

288	11.1	11.6	4.877	1.8257	-0.0024	6.7003	0.3389	0.1473	0.0014	0.4876
289	11.4	11.6	4.8762	1.8252	-0.0025	6.6989	0.3331	0.1409	-0.0019	0.4721
290	10.9	11.5	4.8757	1.8244	-0.0021	6.6979	0.332	0.1376	-0.0058	0.4638
291	11.5	11.5	4.8749	1.8235	-0.0018	6.6966	0.3313	0.1372	-0.0026	0.4659
292	11.8	11.5	4.8746	1.8232	-0.0016	6.6962	0.3267	0.1445	-0.0026	0.4686
293	11.6	11.5	4.8742	1.8238	-0.0017	6.6963	0.3241	0.1424	-0.005	0.4616
294	11.8	11.5	4.874	1.8239	-0.0017	6.6962	0.3338	0.1349	-0.0048	0.464
295	11.3	11.4	4.8738	1.8241	-0.0014	6.6965	0.3463	0.1219	-0.0014	0.4668
296	11.2	11.4	4.8734	1.8246	-0.0015	6.6965	0.3585	0.1113	0	0.4698
297	12	11.3	4.8732	1.8243	-0.0016	6.6959	0.3653	0.1098	0.0007	0.4758
298	11.7	11.3	4.8727	1.8246	-0.0015	6.6959	0.3724	0.1004	0.0025	0.4753
299	11.4	11.3	4.8725	1.8247	-0.0018	6.6953	0.3709	0.1003	0.0028	0.474
300	10.8	11.3	4.8721	1.8247	-0.0018	6.695	0.36	0.1122	0.0019	0.4741
301	11.7	11.4	4.8718	1.825	-0.0019	6.6949	0.3541	0.1175	0.0021	0.4737
302	11.5	11.4	4.8715	1.8251	-0.0019	6.6948	0.3561	0.1212	0.0036	0.4809
303	11.1	11.5	4.8712	1.8256	-0.0019	6.6948	0.3501	0.1412	0.005	0.4962
304	10.6	11.5	4.8707	1.826	-0.0019	6.6948	0.3469	0.1409	0.0035	0.4913
305	10.8	11.6	4.8692	1.8263	-0.0019	6.6936	0.3483	0.1515	0.0017	0.5014
306	11	11.6	4.868	1.8262	-0.0016	6.6927	0.3379	0.1601	-0.0016	0.4964
307	10.8	11.6	4.8677	1.8261	-0.0018	6.692	0.3261	0.1596	-0.0022	0.4835
308	11.6	11.7	4.8679	1.8259	-0.0021	6.6917	0.3122	0.1592	-0.0029	0.4685
309	11.1	11.7	4.8681	1.8249	-0.0021	6.6909	0.3021	0.1614	-0.0066	0.4569
310	12.1	11.8	4.8679	1.8244	-0.0021	6.6903	0.2953	0.1606	-0.0072	0.4488
311	12.4	11.8	4.8679	1.8234	-0.0018	6.6896	0.2975	0.1464	-0.0051	0.4389
312	12.7	11.8	4.8677	1.8226	-0.0012	6.689	0.2989	0.1469	-0.0026	0.4432
313	12.3	11.8	4.8672	1.8226	-0.001	6.6889	0.2916	0.1544	-0.0016	0.4444
314	12.6	11.9	4.8672	1.8227	-0.001	6.6889	0.2964	0.1472	-0.0041	0.4395
315	12.9	12	4.8672	1.823	-0.0009	6.6893	0.3006	0.1499	-0.0053	0.4452
316	12.1	12.1	4.8671	1.8232	-0.0008	6.6895	0.3099	0.1462	-0.0062	0.4498
317	11.9	12.2	4.867	1.8233	-0.0011	6.6891	0.3127	0.1431	-0.0087	0.4471
318	12.6	12.3	4.8666	1.823	-0.0013	6.6883	0.2903	0.1459	-0.01	0.4262
319	12.1	12.4	4.8661	1.8228	-0.0013	6.6876	0.2806	0.1407	-0.0104	0.4109
320	11.2	12.4	4.8655	1.823	-0.001	6.6874	0.284	0.136	-0.0118	0.4082
321	11.5	12.5	4.8646	1.823	-0.001	6.6866	0.2938	0.1326	-0.0134	0.413
322	12.2	12.5	4.8642	1.8233	-0.0011	6.6863	0.3081	0.1214	-0.0117	0.4179
323	12.1	12.5	4.8641	1.8235	-0.0014	6.6862	0.3202	0.1223	-0.01	0.4325
324	12.6	12.5	4.8635	1.8235	-0.0017	6.6853	0.3317	0.1203	-0.0149	0.4371

325	13.1	12.5	4.8629	1.8231	-0.002	6.684	0.369	0.1154	-0.0625	0.4218
326	12.5	12.5	4.8625	1.8222	-0.002	6.6827	0.4161	0.104	-0.0908	0.4293
327	13.2	12.5	4.8614	1.8209	-0.0021	6.6803	0.4225	0.1004	-0.0928	0.4302
328	13.4	12.5	4.8613	1.8208	-0.0022	6.6799	0.4182	0.1054	-0.0945	0.4291
329	12.8	12.5	4.8611	1.8195	-0.0023	6.6783	0.4194	0.1019	-0.0943	0.4271
330	13.1	12.4	4.8607	1.819	-0.0023	6.6774	0.4238	0.1035	-0.0916	0.4357
331	12.8	12.4	4.8603	1.8183	-0.0022	6.6764	0.4201	0.091	-0.0899	0.4212
332	12.9	12.3	4.8603	1.8187	-0.0017	6.6773	0.4134	0.0917	-0.091	0.4141
333	12.9	12.3	4.8602	1.8194	-0.0014	6.6782	0.4031	0.0979	-0.0911	0.4099
334	12.3	12.3	4.8604	1.8191	-0.0015	6.678	0.4051	0.0911	-0.0932	0.403
335	12.5	12.2	4.861	1.8188	-0.0017	6.6781	0.3933	0.0907	-0.0956	0.3884
336	12.2	12.2	4.8611	1.8188	-0.0018	6.6781	0.3873	0.0918	-0.095	0.384
337	11.9	12.1	4.8608	1.8189	-0.0016	6.6781	0.389	0.0951	-0.0955	0.3885
338	11.6	12	4.8609	1.8189	-0.0014	6.6783	0.3954	0.0957	-0.0978	0.3933
339	10.8	12	4.8606	1.8191	-0.0013	6.6784	0.3952	0.0919	-0.1001	0.387
340	11.3	12	4.86	1.8189	-0.0015	6.6774	0.3848	0.0863	-0.1008	0.3702
341	10.8	11.9	4.8596	1.8186	-0.0014	6.6768	0.3734	0.0793	-0.0942	0.3585
342	11.3	11.9	4.8583	1.819	-0.0014	6.6759	0.3614	0.0682	-0.0892	0.3405
343	11.6	11.9	4.8565	1.8195	-0.0016	6.6743	0.3568	0.0783	-0.0861	0.3491
344	12.3	11.8	4.8548	1.8201	-0.0018	6.6731	0.3575	0.078	-0.087	0.3485
345	12.2	11.8	4.8535	1.821	-0.0019	6.6725	0.3516	0.0838	-0.0897	0.3457
346	11.9	11.8	4.8528	1.8211	-0.002	6.672	0.3519	0.0935	-0.0893	0.356
347	11.8	11.7	4.852	1.8216	-0.0022	6.6714	0.3529	0.096	-0.0909	0.358
348	11.9	11.7	4.8518	1.8212	-0.0023	6.6707	0.3513	0.098	-0.0921	0.3572
349	12.9	11.8	4.852	1.8198	-0.0026	6.6692	0.348	0.106	-0.091	0.363
350	11.6	11.8	4.8519	1.819	-0.0026	6.6682	0.3522	0.1014	-0.0956	0.358
351	12.7	11.8	4.8518	1.8186	-0.0027	6.6676	0.3444	0.1106	-0.0955	0.3596
352	11.9	11.8	4.8523	1.8163	-0.0029	6.6657	0.3433	0.1154	-0.0976	0.3612
353	11.6	11.9	4.8523	1.8156	-0.0029	6.665	0.3386	0.116	-0.0971	0.3575
354	11.8	11.8	4.8521	1.8144	-0.0025	6.6641	0.3297	0.1234	-0.0975	0.3556
355	11.6	11.8	4.853	1.8135	-0.002	6.6645	0.3269	0.1243	-0.0977	0.3534
356	11.2	11.7	4.8537	1.8134	-0.0019	6.6651	0.3159	0.126	-0.097	0.3449
357	11.5	11.7	4.8544	1.8134	-0.0019	6.666	0.3108	0.1216	-0.0956	0.3368
358	11.4	11.7	4.8556	1.8128	-0.0017	6.6667	0.3131	0.1172	-0.0967	0.3336
359	11.4	11.5	4.8561	1.8123	-0.0016	6.6668	0.3148	0.1177	-0.0995	0.333
360	12	11.4	4.8558	1.8138	-0.0012	6.6684	0.3314	0.1012	-0.0974	0.3352
361	11.7	11.3	4.8554	1.8145	-0.0011	6.6689	0.3439	0.0936	-0.0943	0.3432

362	12.3	11.3	4.8557	1.8145	-0.0012	6.6691	0.3512	0.0856	-0.092	0.3448
363	11.4	11.2	4.8548	1.8158	-0.001	6.6696	0.3506	0.0822	-0.0874	0.3454
364	11.3	11.2	4.8541	1.816	-0.0009	6.6692	0.361	0.0817	-0.0836	0.3591
365	11	11.1	4.8529	1.8165	-0.0009	6.6686	0.3717	0.0887	-0.0815	0.3789
366	11.3	11.1	4.8525	1.8168	-0.0006	6.6688	0.3755	0.1005	-0.0782	0.3979
367	10.9	11.1	4.8537	1.8164	-0.0003	6.6698	0.3795	0.1042	-0.0758	0.408
368	10.1	11.1	4.8543	1.8164	-0.0003	6.6704	0.3815	0.1098	-0.0784	0.413
369	10.3	11.1	4.854	1.8166	-0.0002	6.6704	0.3757	0.1123	-0.0812	0.4068
370	10.8	11.1	4.8533	1.8172	0	6.6704	0.372	0.1092	-0.0797	0.4014
371	10.4	11.1	4.8523	1.8181	-0.0001	6.6704	0.3623	0.1116	-0.0758	0.3981
372	10.4	11.1	4.8508	1.8181	-0.0002	6.6686	0.3522	0.1118	-0.075	0.3891
373	11	11.1	4.8489	1.8183	0.0003	6.6675	0.3483	0.1165	-0.0764	0.3883
374	10.9	11.2	4.8445	1.8187	0.005	6.6681	0.3439	0.1208	-0.0795	0.3852
375	10.9	11.2	4.839	1.8192	0.0077	6.6659	0.3355	0.1229	-0.0861	0.3723
376	11.3	11.3	4.8382	1.819	0.0077	6.6648	0.3261	0.1227	-0.0912	0.3576
377	11.3	11.3	4.8381	1.8185	0.0076	6.6642	0.3154	0.1242	-0.0901	0.3494
378	11.5	11.4	4.838	1.8182	0.0072	6.6634	0.3089	0.1023	-0.089	0.3221
379	12	11.5	4.8378	1.8175	0.007	6.6623	0.3145	0.0962	-0.0879	0.3228
380	11.6	11.5	4.8376	1.8177	0.0067	6.662	0.3086	0.0971	-0.0899	0.3158
381	12.1	11.6	4.8375	1.8173	0.0067	6.6615	0.3061	0.0995	-0.0926	0.3129
382	11.8	11.6	4.8379	1.8168	0.0068	6.6615	0.3034	0.0899	-0.0931	0.3003
383	13.1	11.6	4.8374	1.8174	0.0071	6.662	0.3019	0.0944	-0.0884	0.308
384	11.9	11.6	4.8376	1.8173	0.0073	6.6622	0.3006	0.1039	-0.0854	0.3191
385	12	11.6	4.8376	1.817	0.0074	6.662	0.2994	0.0969	-0.0884	0.3079
386	12.1	11.6	4.8377	1.817	0.0075	6.6622	0.295	0.0935	-0.0932	0.2953
387	12.1	11.7	4.8376	1.8166	0.0076	6.6618	0.2967	0.0884	-0.0954	0.2896
388	11.4	11.6	4.8375	1.8166	0.0076	6.6616	0.2923	0.0886	-0.0972	0.2836
389	11.4	11.6	4.8377	1.8166	0.0075	6.6618	0.3164	0.0786	-0.093	0.302
390	11.2	11.6	4.8384	1.8164	0.0073	6.6621	0.3259	0.0795	-0.0879	0.3175
391	11	11.5	4.8388	1.8167	0.0071	6.6625	0.3221	0.0788	-0.0856	0.3153
392	11.3	11.5	4.8389	1.8154	0.007	6.6613	0.3248	0.0784	-0.0814	0.3217
393	11.1	11.4	4.8385	1.8159	0.007	6.6614	0.314	0.0908	-0.0806	0.3242
394	10.8	11.3	4.8389	1.8155	0.0072	6.6616	0.3069	0.0905	-0.0787	0.3187
395	11.4	11.3	4.8386	1.8148	0.0075	6.6609	0.2962	0.0975	-0.0799	0.3137
396	11.8	11.2	4.8381	1.815	0.0076	6.6607	0.2763	0.1152	-0.0828	0.3087
397	11.1	11.2	4.8381	1.8145	0.0076	6.6602	0.2706	0.1231	-0.0867	0.307
398	11.2	11.1	4.8379	1.8141	0.0076	6.6595	0.256	0.1327	-0.0919	0.2969

399	11.1	11.1	4.8372	1.8145	0.0078	6.6595	0.2572	0.1266	-0.0959	0.288
400	11.2	11.1	4.8376	1.8136	0.0077	6.659	0.2624	0.1112	-0.0983	0.2753
401	11.1	11.1	4.8375	1.8134	0.0079	6.6588	0.2708	0.0968	-0.0975	0.2702
402	10.9	11.1	4.8377	1.8135	0.0078	6.659	0.2769	0.0881	-0.0988	0.2662
403	11.1	11.2	4.8382	1.8133	0.0078	6.6592	0.28	0.0697	-0.0997	0.25
404	11.5	11.2	4.838	1.8136	0.0079	6.6594	0.2778	0.0617	-0.0984	0.2411
405	10.5	11.2	4.8376	1.8137	0.0078	6.6591	0.2769	0.0513	-0.0923	0.2358
406	10.9	11.2	4.837	1.814	0.008	6.659	0.2805	0.0429	-0.0866	0.2368
407	11	11.2	4.8364	1.8143	0.0079	6.6586	0.2878	0.0371	-0.0831	0.2419
408	11	11.2	4.8364	1.8141	0.0079	6.6584	0.2973	0.0436	-0.0832	0.2578
409	11.2	11.2	4.8349	1.8148	0.0076	6.6574	0.3102	0.0349	-0.0842	0.2609
410	11.6	11.2	4.8335	1.8151	0.0074	6.6559	0.322	0.0216	-0.0821	0.2615
411	11.1	11.2	4.8328	1.8149	0.0074	6.6551	0.3176	0.0414	-0.0787	0.2803
412	11.6	11.2	4.8326	1.8143	0.0075	6.6544	0.3121	0.0529	-0.08	0.2851
413	11.9	11.2	4.8311	1.8144	0.0074	6.6529	0.3243	0.0475	-0.0807	0.2911
414	11.2	11.1	4.83	1.8138	0.0072	6.651	0.3214	0.0569	-0.0765	0.3017
415	11.6	11.2	4.8296	1.8129	0.0069	6.6495	0.3155	0.0587	-0.0754	0.2988
416	11.1	11.2	4.8292	1.8128	0.0068	6.6487	0.3108	0.0638	-0.0755	0.2991
417	11.1	11.2	4.8289	1.8123	0.0067	6.6478	0.3148	0.0669	-0.0724	0.3093
418	11.2	11.2	4.829	1.8117	0.0068	6.6476	0.3242	0.0582	-0.0701	0.3124
419	11.4	11.2	4.829	1.8119	0.0067	6.6475	0.3311	0.0595	-0.0676	0.323
420	11.1	11.2	4.8292	1.8118	0.0066	6.6476	0.3351	0.0664	-0.0664	0.3352
421	11.1	11.2	4.8294	1.8118	0.0065	6.6477	0.3288	0.0777	-0.0653	0.3412
422	10.4	11.1	4.8294	1.8116	0.0065	6.6475	0.3222	0.0922	-0.0667	0.3478
423	10.7	11	4.8297	1.8115	0.0065	6.6476	0.3093	0.0953	-0.069	0.3356
424	11	11	4.8299	1.8113	0.0069	6.648	0.2929	0.1015	-0.0651	0.3292
425	11	11	4.8303	1.8108	0.0071	6.6482	0.24	0.1132	-0.0192	0.334
426	10.7	10.9	4.831	1.8098	0.007	6.6477	0.1791	0.1162	0.0073	0.3026
427	11.4	10.9	4.8305	1.8107	0.0068	6.648	0.1663	0.1112	0.0062	0.2838
428	11.1	10.8	4.8298	1.8111	0.0066	6.6476	0.1586	0.1102	0.0064	0.2752
429	11	10.7	4.8302	1.8098	0.0067	6.6468	0.1489	0.1118	0.0033	0.264
430	11.2	10.7	4.8301	1.809	0.007	6.6461	0.156	0.103	0.0025	0.2614
431	10.9	10.6	4.83	1.8093	0.0071	6.6464	0.1588	0.1059	0.0004	0.2652
432	10.3	10.5	4.8301	1.8093	0.0071	6.6465	0.1608	0.0972	0.0043	0.2623
433	11	10.5	4.8301	1.809	0.0072	6.6463	0.1697	0.0897	0.0052	0.2646
434	10.4	10.4	4.8305	1.8094	0.0074	6.6473	0.1676	0.1004	0.0057	0.2737
435	10.2	10.4	4.8315	1.8095	0.0076	6.6486	0.1716	0.0998	0.0048	0.2762

436	11	10.5	4.8315	1.8099	0.0077	6.6491	0.181	0.0864	0.0052	0.2726
437	9.59	10.4	4.8316	1.8101	0.0081	6.6497	0.1794	0.0836	0.0058	0.2688
438	9.98	10.4	4.8292	1.811	0.0079	6.6481	0.1771	0.0823	0.0051	0.2645
439	9.47	10.4	4.828	1.8112	0.0075	6.6467	0.1793	0.0858	0.0069	0.272
440	9.69	10.4	4.8278	1.811	0.0071	6.6459	0.188	0.0878	0.0065	0.2823
441	9.55	10.4	4.8271	1.8108	0.0067	6.6446	0.1986	0.0914	0.0071	0.2971
442	9.44	10.5	4.8269	1.8099	0.0066	6.6435	0.1954	0.1034	0.0064	0.3053
443	10.2	10.5	4.8258	1.8104	0.0063	6.6425	0.1876	0.0966	0.0038	0.2879
444	10.8	10.5	4.8252	1.8104	0.0062	6.6418	0.1657	0.1146	-0.0044	0.2758
445	11.3	10.5	4.8258	1.8094	0.0064	6.6417	0.1619	0.109	-0.0067	0.2642
446	10.6	10.5	4.8257	1.8088	0.0067	6.6413	0.161	0.0941	-0.0032	0.2519
447	10.5	10.6	4.8264	1.8083	0.007	6.6417	0.1522	0.0919	0.0005	0.2445
448	11.4	10.6	4.8261	1.8086	0.0073	6.6419	0.1475	0.0863	0.002	0.2359
449	11	10.6	4.8258	1.8087	0.0072	6.6417	0.1404	0.0875	0.0029	0.2308
450	11.5	10.7	4.8248	1.8093	0.0071	6.6412	0.1424	0.0846	0.0066	0.2336
451	11.2	10.7	4.8241	1.8098	0.0072	6.641	0.1501	0.0734	0.0074	0.2309
452	11.4	10.8	4.8244	1.8093	0.007	6.6407	0.1602	0.0658	0.01	0.2359
453	10.7	10.8	4.8245	1.8094	0.0069	6.6409	0.18	0.063	0.0114	0.2544
454	10.7	10.7	4.8244	1.8093	0.0067	6.6405	0.1986	0.06	0.012	0.2706
455	10.8	10.7	4.8249	1.8093	0.0066	6.6408	0.2037	0.067	0.0129	0.2837
456	10.4	10.7	4.8249	1.8096	0.0064	6.6409	0.2095	0.0699	0.0123	0.2918
457	10.7	10.6	4.8247	1.8091	0.0064	6.6402	0.2124	0.0759	0.0151	0.3033
458	10.2	10.6	4.8246	1.8093	0.0067	6.6406	0.2098	0.0776	0.0166	0.3039
459	10.3	10.6	4.8239	1.8101	0.0066	6.6406	0.205	0.0873	0.0166	0.3089
460	10.6	10.5	4.824	1.8097	0.0067	6.6404	0.1951	0.0955	0.0144	0.305
461	10.3	10.4	4.8242	1.8092	0.0069	6.6404	0.1901	0.0951	0.0126	0.2977
462	10.3	10.4	4.8233	1.8098	0.0069	6.64	0.1817	0.095	0.0109	0.2876
463	9.97	10.4	4.8227	1.8101	0.0066	6.6394	0.1725	0.1012	0.0142	0.288
464	10.5	10.3	4.8225	1.8102	0.0066	6.6393	0.156	0.1058	0.0134	0.2752
465	10.2	10.3	4.8219	1.8102	0.0067	6.6387	0.1383	0.1086	0.0091	0.2559
466	9.6	10.3	4.8211	1.8102	0.0066	6.6378	0.1189	0.1064	0.0028	0.2281
467	10.8	10.3	4.8213	1.8105	0.0067	6.6385	0.1071	0.1061	-0.0022	0.211
468	10.6	10.3	4.8212	1.8104	0.0065	6.6381	0.1008	0.096	-0.0047	0.192
469	10.3	10.3	4.8205	1.81	0.0064	6.6369	0.1061	0.0833	-0.0014	0.1879
470	9.96	10.3	4.8204	1.8094	0.0065	6.6363	0.1021	0.0839	0.0007	0.1866
471	10.2	10.3	4.8201	1.8089	0.0066	6.6356	0.1032	0.0921	-0.0002	0.1951
472	10.4	10.3	4.8198	1.8085	0.0067	6.635	0.1108	0.0812	0.003	0.195

473	10.6	10.3	4.8197	1.8081	0.0068	6.6346	0.1118	0.0729	0.0024	0.1871
474	10.7	10.2	4.8205	1.8074	0.0069	6.6347	0.1172	0.0771	-0.0005	0.1938
475	9.83	10.2	4.8211	1.8075	0.007	6.6356	0.1359	0.071	0.0053	0.2121
476	9.8	10.2	4.8215	1.8078	0.0071	6.6364	0.1546	0.0681	0.0097	0.2324
477	10.3	10.2	4.8222	1.8075	0.0069	6.6366	0.1683	0.0641	0.0103	0.2427
478	10.2	10.2	4.8231	1.8071	0.0069	6.637	0.1625	0.0826	0.0076	0.2527
479	10.2	10.1	4.8222	1.8072	0.0067	6.6362	0.1516	0.0958	0.005	0.2524
480	10.6	10.1	4.8217	1.8071	0.0067	6.6355	0.1421	0.0954	0.0026	0.2401
481	10.3	10.1	4.8214	1.8076	0.0063	6.6353	0.1383	0.0904	0.0001	0.2288
482	9.85	10.1	4.8209	1.8078	0.0063	6.635	0.1325	0.0815	-0.005	0.209
483	9.68	10.1	4.8207	1.8074	0.0065	6.6346	0.1182	0.0759	-0.0072	0.1869
484	10.2	10	4.8204	1.8073	0.0068	6.6346	0.114	0.0657	-0.0082	0.1715
485	9.98	10	4.8195	1.8084	0.0068	6.6347	0.1162	0.06	-0.0059	0.1703
486	9.96	10	4.8198	1.8086	0.007	6.6354	0.123	0.0548	-0.0026	0.1752
487	9.88	10.1	4.8199	1.8084	0.0071	6.6354	0.1193	0.0633	-0.0011	0.1815
488	9.72	10	4.8195	1.808	0.0069	6.6344	0.1194	0.0624	0.0035	0.1854
489	9.68	10.1	4.8189	1.8078	0.0069	6.6336	0.1064	0.0665	0.0048	0.1777
490	9.88	9.99	4.8185	1.8073	0.0066	6.6324	0.0966	0.0812	0.0018	0.1797
491	10.3	9.99	4.8192	1.8063	0.0065	6.632	0.1049	0.0762	-0.0015	0.1796
492	10.2	10	4.8201	1.8058	0.0066	6.6325	0.117	0.074	-0.0036	0.1874
493	9.92	10.1	4.8219	1.8045	0.0074	6.6339	0.1164	0.0713	-0.0036	0.1841
494	9.63	10	4.8227	1.8046	0.0079	6.6352	0.1108	0.0698	-0.0053	0.1754
495	10.3	10	4.8225	1.8054	0.0078	6.6357	0.101	0.0766	-0.008	0.1695
496	10.4	10	4.8229	1.8058	0.0076	6.6362	0.1107	0.0644	-0.0078	0.1673
497	10	10	4.8233	1.8059	0.0074	6.6366	0.1083	0.0599	-0.0067	0.1615
498	10.4	10	4.8239	1.8053	0.0073	6.6365	0.1182	0.0554	-0.0001	0.1734
499	9.45	10.1	4.823	1.8061	0.0071	6.6361	0.1122	0.0663	0.0028	0.1812
500	10.4	10.1	4.8226	1.8063	0.007	6.6359	0.1073	0.0736	-0.0014	0.1795
501	10.5	10.1	4.8215	1.8068	0.0069	6.6352	0.098	0.081	-0.0052	0.1738
502	10.1	10.1	4.8197	1.8072	0.0067	6.6336	0.091	0.0834	-0.0072	0.1672
503	9.64	10.2	4.8183	1.8073	0.0066	6.6322	0.0945	0.076	-0.0067	0.1638
504	9.77	10.2	4.8176	1.8069	0.0066	6.6311	0.1036	0.0772	-0.0067	0.1741
505	9.84	10.2	4.8167	1.8067	0.0066	6.63	0.11	0.0722	-0.0094	0.1727
506	9.81	10.2	4.8157	1.8064	0.0065	6.6286	0.1144	0.0743	-0.0092	0.1795
507	10.1	10.2	4.8154	1.8066	0.0062	6.6283	0.1174	0.0762	-0.008	0.1856
508	10.3	10.2	4.8159	1.8054	0.0062	6.6275	0.114	0.0707	-0.005	0.1797
509	11.1	10.3	4.8154	1.8052	0.0062	6.6269	0.1113	0.0745	-0.0012	0.1846

510	10.4	10.2	4.8145	1.8056	0.0061	6.6262	0.1022	0.083	-0.0026	0.1826
511	10.4	10.2	4.8146	1.8054	0.0064	6.6263	0.1014	0.0809	-0.0023	0.18
512	10.4	10.2	4.8153	1.8042	0.0061	6.6257	0.107	0.0778	0.0007	0.1854
513	10.7	10.2	4.8155	1.8039	0.0061	6.6254	0.1093	0.0841	0.0009	0.1943
514	10.4	10.2	4.8162	1.803	0.0063	6.6254	0.1057	0.0905	-0.001	0.1952
515	10.1	10.2	4.8178	1.8023	0.0066	6.6267	0.1039	0.0884	0.0004	0.1927
516	10.7	10.2	4.8185	1.8022	0.007	6.6276	0.0897	0.0981	0	0.1878
517	10.5	10.2	4.8188	1.8027	0.0072	6.6286	0.0887	0.1004	-0.0011	0.188
518	9.9	10.1	4.8184	1.8034	0.007	6.6288	0.09	0.1093	-0.0017	0.1976
519	9.93	10.1	4.8187	1.8035	0.0066	6.6288	0.095	0.107	-0.0055	0.1965
520	10.3	10	4.8189	1.8026	0.0066	6.6281	0.0838	0.1048	-0.0084	0.1802
521	10	10	4.8183	1.8037	0.0062	6.6282	0.076	0.1004	-0.0108	0.1656
522	9.98	10	4.8182	1.8043	0.0063	6.6288	0.073	0.0912	-0.0127	0.1515
523	9.43	9.98	4.8179	1.8038	0.0065	6.6282	0.071	0.0844	-0.0128	0.1426
524	9.53	9.96	4.8163	1.8042	0.0064	6.6268	0.0642	0.0826	-0.0101	0.1366
525	9.71	9.95	4.8148	1.804	0.0061	6.625	0.0695	0.0721	-0.006	0.1357
526	9.69	9.91	4.8141	1.8034	0.006	6.6235	0.0765	0.0667	-0.0033	0.1399
527	9.64	9.85	4.8143	1.8025	0.0061	6.6228	0.0866	0.0685	-0.0017	0.1534
528	9.69	9.81	4.8147	1.8015	0.0061	6.6223	0.1067	0.0641	-0.0008	0.17
529	9.49	9.74	4.816	1.8003	0.0064	6.6227	0.1272	0.0613	-0.001	0.1875
530	10.5	9.66	4.8163	1.8	0.007	6.6232	0.1302	0.0631	-0.0006	0.1927
531	10.4	9.59	4.8167	1.8012	0.0076	6.6255	0.1355	0.0573	0.0025	0.1953
532	9.72	9.57	4.8183	1.8017	0.0078	6.6278	0.1396	0.061	-0.0007	0.1999
533	10.1	9.59	4.8187	1.8024	0.008	6.6291	0.132	0.072	0.0013	0.2053
534	9.92	9.61	4.8188	1.8034	0.008	6.6302	0.1319	0.0772	0.0061	0.2151
535	9.9	9.59	4.8192	1.804	0.0079	6.631	0.1239	0.0804	0.0082	0.2125
536	9.44	9.59	4.8195	1.8036	0.0078	6.631	0.1094	0.103	0.0092	0.2216
537	9.08	9.6	4.8196	1.8038	0.0077	6.6312	0.1168	0.1006	0.0063	0.2237
538	8.66	9.63	4.8186	1.8043	0.0074	6.6304	0.1166	0.0982	0.0045	0.2193
539	8.78	9.68	4.8184	1.8031	0.0073	6.6287	0.1102	0.0974	0	0.2076
540	8.55	9.68	4.8173	1.8034	0.0072	6.6279	0.1012	0.0964	-0.0039	0.1937
541	9.66	9.69	4.8154	1.8034	0.0071	6.6258	0.093	0.0903	-0.0091	0.1742
542	9.85	9.71	4.8153	1.8028	0.007	6.625	0.0985	0.0742	-0.0107	0.162
543	9.83	9.72	4.8147	1.8034	0.0068	6.6249	0.1005	0.0674	-0.0074	0.1605
544	9.45	9.74	4.8151	1.8027	0.007	6.6248	0.1168	0.0441	0.0007	0.1616
545	9.68	9.76	4.8148	1.803	0.0072	6.6249	0.1174	0.0478	0.0042	0.1694
546	9.83	9.8	4.8149	1.8029	0.0074	6.6251	0.1057	0.0629	0.0034	0.1719

547	10.1	9.89	4.8145	1.8027	0.007	6.6243	0.1027	0.0693	-0.0002	0.1719
548	10.5	9.99	4.8149	1.8019	0.007	6.6238	0.1189	0.057	-0.0028	0.1731
549	10.5	10.1	4.815	1.8013	0.0074	6.6237	0.1316	0.0505	-0.0035	0.1786
550	10.6	10.2	4.815	1.8012	0.0077	6.6238	0.1331	0.0534	-0.0028	0.1837
551	10.2	10.2	4.815	1.8014	0.0079	6.6243	0.1313	0.06	-0.0007	0.1906
552	10.2	10.3	4.8149	1.8017	0.0077	6.6244	0.1186	0.0738	-0.0014	0.191
553	10.2	10.2	4.8142	1.8017	0.0076	6.6234	0.1072	0.0808	-0.0033	0.1847
554	10.4	10.3	4.8134	1.8021	0.0077	6.6232	0.0983	0.0837	-0.004	0.178
555	10.2	10.3	4.8135	1.8018	0.0075	6.6228	0.0929	0.0816	-0.0063	0.1681
556	10.7	10.3	4.8132	1.802	0.0072	6.6224	0.075	0.0942	-0.0087	0.1605
557	10.5	10.3	4.8133	1.802	0.0069	6.6222	0.0652	0.0901	-0.0123	0.1431
558	10	10.3	4.8134	1.8019	0.0068	6.6221	0.0589	0.089	-0.0185	0.1294
559	10.6	10.3	4.8137	1.8018	0.0069	6.6223	0.0557	0.0695	-0.018	0.1072
560	10.7	10.3	4.8139	1.8016	0.0069	6.6224	0.0401	0.0624	-0.0178	0.0848
561	10.5	10.3	4.8135	1.8015	0.0068	6.6218	0.0261	0.0723	-0.0186	0.0798
562	9.79	10.3	4.8124	1.8014	0.0068	6.6205	0.0377	0.0662	-0.0174	0.0865
563	9.79	10.2	4.8121	1.8011	0.0067	6.6199	0.0572	0.0481	-0.0181	0.0872
564	9.59	10.2	4.8121	1.8013	0.0066	6.6201	0.0583	0.044	-0.0145	0.0878
565	9.9	10.2	4.8129	1.8003	0.0067	6.6199	0.0598	0.0389	-0.0083	0.0904
566	10.7	10.1	4.8122	1.8001	0.0067	6.619	0.0674	0.0479	-0.0048	0.1105
567	10.6	10.1	4.8123	1.7996	0.0069	6.6188	0.0814	0.0493	-0.0038	0.1269
568	10.3	10	4.8117	1.7997	0.007	6.6185	0.0926	0.0561	-0.0062	0.1425
569	10	9.99	4.8121	1.7995	0.0073	6.6189	0.0885	0.0672	-0.0084	0.1472
570	10.4	9.96	4.8128	1.7994	0.0076	6.6198	0.0946	0.0625	-0.0123	0.1447
571	9.97	9.94	4.8128	1.7998	0.0078	6.6204	0.0962	0.052	-0.01	0.1382
572	9.71	9.93	4.8127	1.8001	0.008	6.6208	0.089	0.0668	-0.011	0.1447
573	9.74	9.91	4.8132	1.7999	0.0078	6.6209	0.0897	0.0706	-0.0112	0.1491
574	9.57	9.92	4.8135	1.8001	0.0075	6.6211	0.0859	0.066	-0.0095	0.1424
575	10.1	9.9	4.8135	1.8009	0.0073	6.6216	0.0752	0.0633	-0.012	0.1266
576	9.54	9.86	4.8129	1.801	0.0072	6.6211	0.0633	0.06	-0.012	0.1113
577	9.27	9.81	4.8116	1.8011	0.007	6.6196	0.0603	0.059	-0.0132	0.106
578	9.62	9.8	4.8104	1.8009	0.007	6.6183	0.0608	0.0476	-0.0132	0.0951
579	10	9.79	4.8092	1.8009	0.0068	6.6169	0.0717	0.0321	-0.014	0.0898
580	10.1	9.78	4.8081	1.8014	0.0064	6.616	0.0904	0.0196	-0.0127	0.0972
581	9.66	9.8	4.8075	1.8015	0.0063	6.6153	0.0947	0.0189	-0.0073	0.1063
582	9.46	9.83	4.8077	1.8006	0.0062	6.6145	0.0969	0.0315	0	0.1284
583	9.83	9.85	4.8075	1.7997	0.0059	6.6131	0.1102	0.045	0.0025	0.1577

584	9.44	9.86	4.808	1.7993	0.006	6.6133	0.1107	0.0597	0.0067	0.1771
585	9.84	9.83	4.8086	1.7981	0.0059	6.6126	0.1089	0.0727	0.0087	0.1903
586	9.78	9.82	4.8081	1.7986	0.0063	6.613	0.1085	0.0827	0.0058	0.197
587	10	9.85	4.8083	1.7986	0.0066	6.6135	0.1118	0.0849	0.0023	0.199
588	9.87	9.82	4.8085	1.7982	0.0069	6.6136	0.1148	0.0894	-0.0005	0.2036
589	10.3	9.72	4.8088	1.7982	0.0073	6.6142	0.105	0.0959	-0.004	0.1969
590	10.3	9.65	4.8092	1.7983	0.0075	6.615	0.1045	0.0842	-0.006	0.1828
591	10.2	9.63	4.8094	1.7989	0.0075	6.6158	0.0873	0.0885	-0.008	0.1678
592	10.1	9.65	4.8101	1.799	0.0074	6.6165	0.0711	0.0856	-0.0101	0.1466
593	9.87	9.64	4.8103	1.8001	0.0074	6.6177	0.0621	0.0821	-0.0121	0.1321
594	9.55	9.65	4.8109	1.7998	0.0075	6.6182	0.0545	0.0862	-0.0126	0.1281
595	9.27	9.66	4.8119	1.7991	0.0075	6.6185	0.0547	0.0779	-0.0085	0.1241
596	9.83	9.65	4.8126	1.7989	0.0076	6.6191	0.0441	0.0864	-0.0069	0.1237
597	9.04	9.68	4.8114	1.8002	0.0077	6.6193	0.0451	0.0857	-0.0073	0.1236
598	8.26	9.68	4.8107	1.8003	0.0077	6.6186	0.0495	0.0822	-0.0116	0.1202
599	8.79	9.68	4.8097	1.8007	0.0074	6.6178	0.058	0.0695	-0.0126	0.1149
600	9.3	9.65	4.8095	1.8003	0.0071	6.6168	0.0584	0.0588	-0.0082	0.109
601	9.8	9.64	4.8096	1.7995	0.007	6.6161	0.0613	0.0521	-0.0043	0.1091
602	9.64	9.66	4.809	1.7992	0.007	6.6151	0.0694	0.0503	0.0017	0.1214
603	9.67	9.67	4.8085	1.7989	0.007	6.6144	0.074	0.0525	0.0008	0.1273
604	9.92	9.71	4.8083	1.7987	0.0072	6.6143	0.0806	0.0539	0.0014	0.1358
605	9.65	9.75	4.8092	1.7973	0.0075	6.6139	0.0837	0.0608	0.0025	0.1471
606	10.5	9.77	4.8092	1.7974	0.0077	6.6143	0.0889	0.0612	0.0038	0.1539
607	9.82	9.81	4.8095	1.7977	0.0081	6.6153	0.0854	0.0641	0.0028	0.1523
608	10.3	9.89	4.8104	1.7984	0.008	6.6168	0.0894	0.0682	-0.0002	0.1574
609	9.82	9.93	4.8114	1.799	0.008	6.6184	0.1003	0.0704	-0.0028	0.1679
610	9.99	9.97	4.8119	1.7983	0.008	6.6182	0.0958	0.0769	0.002	0.1747
611	10.5	10	4.8108	1.7988	0.0081	6.6177	0.1058	0.0737	0.004	0.1834
612	10.1	10	4.8096	1.7994	0.0079	6.6169	0.0926	0.08	0.0021	0.1747
613	10.3	10.1	4.8097	1.7995	0.0075	6.6167	0.0837	0.08	0.0003	0.164
614	9.97	10.1	4.8102	1.7991	0.0071	6.6164	0.0836	0.0781	0.0016	0.1633
615	10.2	10.1	4.811	1.7975	0.0071	6.6156	0.0917	0.073	0.0034	0.1681
616	9.77	10.1	4.8103	1.7972	0.0074	6.6149	0.0959	0.0693	0.0066	0.1718
617	9.81	10.1	4.8095	1.7971	0.0078	6.6144	0.0855	0.0748	0.0057	0.166
618	9.7	10.1	4.8096	1.7967	0.0078	6.6141	0.0905	0.0727	0.0048	0.168
619	9.92	10	4.8093	1.7972	0.0079	6.6144	0.0928	0.0701	0.0047	0.1676
620	10.5	10	4.8093	1.7974	0.0076	6.6143	0.1008	0.068	0.0041	0.1729

621	10.3	10	4.8094	1.797	0.0073	6.6137	0.0965	0.0823	0.0014	0.1803
622	10.1	9.99	4.8092	1.7973	0.0074	6.6139	0.0943	0.0781	-0.0026	0.1699
623	10.1	9.95	4.8094	1.7972	0.0075	6.614	0.0913	0.077	0.0025	0.1709
624	9.87	9.95	4.8088	1.7978	0.0076	6.6142	0.0857	0.0721	-0.0023	0.1554
625	10.1	9.97	4.8085	1.798	0.0073	6.6138	0.0813	0.0768	-0.0082	0.1498
626	10	9.99	4.8081	1.7975	0.0073	6.6129	0.0771	0.0826	-0.0102	0.1495
627	10	10	4.8082	1.7977	0.0074	6.6133	0.0628	0.084	-0.0091	0.1377
628	9.53	10	4.8075	1.7983	0.0075	6.6134	0.0447	0.0845	-0.0104	0.1188
629	9.71	9.98	4.807	1.7983	0.0077	6.613	0.0283	0.0834	-0.0093	0.1024
630	9.98	9.93	4.8068	1.7981	0.0077	6.6126	0.011	0.0871	-0.0113	0.0868
631	10	9.93	4.807	1.798	0.0076	6.6126	-0.0009	0.0961	-0.0162	0.0789
632	9.55	9.93	4.8072	1.7972	0.0076	6.612	0.0076	0.0956	-0.0139	0.0894
633	9.98	9.9	4.8076	1.7965	0.0073	6.6114	0.0224	0.0805	-0.0176	0.0853
634	10.5	9.9	4.808	1.7961	0.0071	6.6112	0.0251	0.0734	-0.0224	0.076
635	10.1	9.9	4.8083	1.7957	0.0073	6.6113	0.0344	0.0681	-0.019	0.0835
636	10.1	9.89	4.8084	1.7951	0.0076	6.6111	0.0426	0.0534	-0.0146	0.0813
637	9.93	9.89	4.8081	1.7949	0.0078	6.6108	0.0367	0.064	-0.0082	0.0925
638	9.32	9.93	4.8081	1.7948	0.0078	6.6107	0.0421	0.0686	-0.0056	0.105
639	9.49	9.94	4.8079	1.7947	0.0079	6.6105	0.0478	0.0723	-0.0041	0.1161
640	10.1	9.92	4.8086	1.7946	0.008	6.6111	0.0496	0.0757	-0.0046	0.1207
641	10.2	9.95	4.8083	1.7948	0.0081	6.6112	0.0488	0.0784	-0.0093	0.1179
642	9.55	9.97	4.8091	1.7946	0.0082	6.6118	0.0394	0.0839	-0.0122	0.1111
643	9.83	9.97	4.8092	1.7948	0.0081	6.6121	0.0401	0.079	-0.0143	0.1049
644	10.1	9.94	4.8096	1.795	0.0079	6.6124	0.0425	0.0813	-0.0123	0.1115
645	9.81	9.95	4.8104	1.7943	0.0079	6.6126	0.0486	0.0777	-0.0112	0.1152
646	10.1	9.95	4.8104	1.7943	0.0081	6.6127	0.0526	0.0724	-0.0104	0.1146
647	10.1	9.94	4.8096	1.7945	0.0082	6.6123	0.0593	0.0658	-0.0073	0.1178
648	9.92	9.97	4.8091	1.795	0.0083	6.6123	0.0487	0.0764	-0.0074	0.1178
649	9.63	9.98	4.8092	1.7954	0.0082	6.6128	0.0426	0.076	-0.0079	0.1106
650	10.7	9.98	4.8089	1.796	0.0081	6.6129	0.0328	0.0816	-0.0091	0.1053
651	9.9	10	4.8081	1.7964	0.0077	6.6121	0.0361	0.0762	-0.0107	0.1015
652	10.1	10.1	4.8075	1.7965	0.0076	6.6116	0.0443	0.0707	-0.0103	0.1047
653	9.92	10.1	4.8061	1.7963	0.0075	6.6099	0.0476	0.0683	-0.01	0.1059
654	10.2	10.1	4.8051	1.796	0.0074	6.6085	0.0567	0.0635	-0.0082	0.112
655	10.2	10.1	4.8046	1.7957	0.0071	6.6075	0.0632	0.0635	-0.0057	0.121
656	9.74	10.1	4.8046	1.7956	0.0069	6.6072	0.0753	0.0559	-0.0024	0.1288
657	9.8	10.1	4.8044	1.7952	0.0069	6.6065	0.0819	0.0569	-0.0015	0.1373

658	9.65	10.2	4.8034	1.7948	0.0071	6.6053	0.0824	0.0714	0.0004	0.1542
659	10.2	10.2	4.8041	1.7941	0.0067	6.6049	0.0944	0.075	-0.0028	0.1666
660	10.9	10.1	4.8033	1.7942	0.0065	6.6041	0.1023	0.0757	-0.0042	0.1738
661	10.3	10.1	4.8043	1.7935	0.0066	6.6043	0.1054	0.0629	-0.0027	0.1657
662	10.8	10.1	4.804	1.7934	0.0068	6.6041	0.0861	0.0613	0.0032	0.1506
663	10.7	10	4.8037	1.7933	0.0065	6.6036	0.0649	0.0693	0.0014	0.1356
664	9.87	10	4.803	1.794	0.0063	6.6032	0.0563	0.0793	-0.0045	0.1312
665	10.2	10	4.8033	1.7934	0.006	6.6027	0.058	0.0872	-0.0107	0.1346
666	10.1	10	4.8036	1.7926	0.0062	6.6024	0.0742	0.0695	-0.0142	0.1295
667	10.1	9.97	4.8033	1.7924	0.0064	6.602	0.064	0.0622	-0.0104	0.1158
668	10.2	9.93	4.8025	1.7927	0.0066	6.6017	0.0554	0.054	-0.0061	0.1033
669	9.34	9.91	4.802	1.7927	0.0068	6.6016	0.0602	0.0466	-0.005	0.1018
670	9.81	9.83	4.8032	1.7911	0.0074	6.6017	0.0547	0.0558	-0.0027	0.1077
671	9.5	9.77	4.8034	1.7919	0.0081	6.6034	0.0552	0.0603	-0.0065	0.1091
672	9.22	9.75	4.8036	1.7924	0.0077	6.6037	0.0613	0.05	-0.0082	0.1031
673	9.95	9.69	4.8047	1.7927	0.0081	6.6054	0.0608	0.0532	-0.0048	0.1092
674	9.65	9.7	4.8054	1.7925	0.0083	6.6062	0.0623	0.0579	-0.0045	0.1156
675	9.86	9.72	4.8058	1.7926	0.0083	6.6067	0.0569	0.0692	-0.007	0.1191
676	8.98	9.72	4.8066	1.7926	0.0082	6.6073	0.0479	0.0768	-0.0127	0.112
677	9.03	9.72	4.8071	1.7926	0.008	6.6078	0.0449	0.0665	-0.0152	0.0962
678	9.67	9.74	4.8075	1.7926	0.0079	6.608	0.0429	0.0719	-0.0141	0.1007
679	9.47	9.77	4.8081	1.7922	0.0079	6.6082	0.0391	0.0725	-0.0135	0.098
680	9.18	9.77	4.8082	1.7918	0.0081	6.6081	0.0405	0.0658	-0.013	0.0933
681	10.3	9.8	4.8067	1.7919	0.0077	6.6064	0.042	0.0614	-0.0127	0.0907
682	9.64	9.83	4.8055	1.7925	0.0079	6.6059	0.0492	0.0551	-0.013	0.0912
683	10.1	9.85	4.805	1.7924	0.0082	6.6055	0.0561	0.0461	-0.0122	0.09
684	10.4	9.84	4.8046	1.7925	0.0079	6.605	0.0626	0.0381	-0.0124	0.0884
685	10.3	9.83	4.8043	1.7927	0.0074	6.6044	0.0681	0.0394	-0.0117	0.0958
686	10.1	9.89	4.8044	1.7922	0.0071	6.6037	0.0827	0.0433	-0.0074	0.1186
687	10.5	9.92	4.804	1.7917	0.0072	6.6029	0.0789	0.0359	-0.0029	0.1119
688	10	9.93	4.8037	1.791	0.0073	6.602	0.0764	0.0443	0.0018	0.1225
689	9.73	9.93	4.8038	1.7906	0.0077	6.6022	0.0794	0.0462	0.001	0.1266
690	10	9.94	4.8043	1.7904	0.0084	6.6032	0.0876	0.0518	0.0018	0.1412
691	9.8	9.9	4.8054	1.7905	0.0088	6.6047	0.1005	0.0513	0.0021	0.1539
692	10.5	9.92	4.8061	1.7911	0.0088	6.606	0.0967	0.058	0.0036	0.1583
693	9.4	9.89	4.806	1.792	0.0086	6.6066	0.1001	0.0623	0.0035	0.1659
694	9.63	9.85	4.8061	1.792	0.0086	6.6067	0.0979	0.0704	-0.0026	0.1657

695	10.1	9.82	4.8067	1.7919	0.0085	6.6071	0.0888	0.0767	-0.0075	0.158
696	9.74	9.8	4.8067	1.7923	0.0083	6.6073	0.0823	0.065	-0.0067	0.1406
697	9.81	9.77	4.8066	1.7925	0.0084	6.6075	0.0789	0.064	-0.0032	0.1397
698	9.49	9.78	4.8064	1.7927	0.0085	6.6075	0.0767	0.0648	0.0018	0.1434
699	9.29	9.8	4.8064	1.7926	0.0083	6.6073	0.0694	0.0693	0.003	0.1417
700	9.58	9.81	4.8059	1.7927	0.0081	6.6067	0.0663	0.0752	0.0051	0.1466
701	10	9.82	4.8052	1.7924	0.008	6.6056	0.0604	0.0837	0.0039	0.148
702	9.55	9.79	4.8042	1.7923	0.008	6.6045	0.0601	0.0869	-0.0009	0.146
703	9.6	9.81	4.8028	1.7925	0.0078	6.6032	0.0592	0.0901	-0.0041	0.1452
704	9.75	9.83	4.802	1.7924	0.0078	6.6022	0.049	0.0865	-0.0054	0.1301
705	9.76	9.81	4.8016	1.7917	0.0077	6.601	0.0416	0.0779	-0.0063	0.1132
706	9.91	9.81	4.801	1.7917	0.0078	6.6006	0.0353	0.0732	-0.0112	0.0974
707	10.2	9.83	4.8013	1.7905	0.0081	6.5999	0.0417	0.0674	-0.0123	0.0968
708	10	9.86	4.8009	1.7909	0.0083	6.6001	0.0432	0.0613	-0.0125	0.092
709	10.3	9.9	4.8012	1.7914	0.0084	6.601	0.037	0.0557	-0.0084	0.0844
710	10.1	9.92	4.8014	1.792	0.0082	6.6016	0.0477	0.049	-0.0123	0.0844
711	9.84	9.89	4.8022	1.7926	0.0078	6.6026	0.0383	0.0545	-0.0126	0.0802
712	9.83	9.89	4.8031	1.7925	0.0077	6.6034	0.0488	0.0524	-0.0091	0.0922
713	9.86	9.9	4.804	1.7915	0.008	6.6035	0.0475	0.0584	-0.008	0.0978
714	9.83	9.9	4.8044	1.7903	0.0082	6.6029	0.0531	0.0604	-0.0087	0.1048
715	9.77	9.89	4.8036	1.7906	0.0085	6.6027	0.055	0.0634	-0.009	0.1095
716	10.2	9.88	4.8039	1.791	0.0084	6.6033	0.0637	0.0482	-0.0085	0.1034
717	10	9.86	4.804	1.7917	0.0084	6.604	0.0694	0.0366	-0.0084	0.0976
718	10	9.82	4.8036	1.792	0.0083	6.6039	0.0648	0.0425	-0.0101	0.0972
719	9.9	9.76	4.8038	1.7916	0.0081	6.6036	0.0582	0.0439	-0.0085	0.0936
720	9.57	9.73	4.8038	1.7913	0.0082	6.6034	0.0562	0.0405	-0.0046	0.0921
721	9.5	9.71	4.8033	1.792	0.0081	6.6034	0.0687	0.0257	0.0024	0.0968
722	9.71	9.69	4.8032	1.7919	0.0079	6.603	0.0712	0.0415	0.0128	0.1254
723	9.79	9.69	4.8031	1.7914	0.008	6.6024	0.0807	0.0439	0.0071	0.1317
724	9.59	9.7	4.8031	1.7909	0.0083	6.6023	0.082	0.0545	0.0098	0.1463
725	9.75	9.66	4.8037	1.7904	0.0086	6.6026	0.0932	0.0504	0.011	0.1546
726	9.73	9.63	4.8036	1.7908	0.0088	6.6032	0.0936	0.0569	0.0053	0.1558
727	9.34	9.64	4.8039	1.7905	0.0088	6.6032	0.0992	0.0595	-0.0013	0.1574
728	9.1	9.62	4.8036	1.7911	0.0088	6.6035	0.0997	0.0633	-0.0059	0.1572
729	9.59	9.64	4.8029	1.7918	0.009	6.6037	0.0895	0.0666	-0.0069	0.1492
730	9.42	9.68	4.8026	1.7919	0.009	6.6035	0.0921	0.0593	-0.0078	0.1436
731	9.42	9.73	4.8021	1.7925	0.0089	6.6035	0.0895	0.059	-0.0091	0.1395

732	9.78	9.75	4.8016	1.7926	0.0088	6.603	0.0709	0.059	-0.0188	0.1111
733	10	9.76	4.8014	1.7927	0.0086	6.6026	0.0483	0.0725	-0.0191	0.1017
734	9.15	9.78	4.8011	1.7922	0.0083	6.6016	0.0474	0.0664	-0.0184	0.0954
735	9.57	9.8	4.8001	1.7914	0.008	6.5995	0.0439	0.0686	-0.021	0.0915
736	10.2	9.82	4.8005	1.7915	0.0079	6.5999	0.0437	0.0697	-0.021	0.0924
737	9.64	9.85	4.8005	1.7904	0.0076	6.5985	0.0496	0.0637	-0.0191	0.0941
738	10.2	9.9	4.8002	1.7901	0.0077	6.598	0.0499	0.0607	-0.0164	0.0942
739	10.4	9.94	4.7991	1.7895	0.0077	6.5963	0.0455	0.0561	-0.0132	0.0885
740	10.5	9.95	4.7985	1.7895	0.0078	6.5958	0.0445	0.0519	-0.0094	0.0871
741	10.1	9.94	4.7986	1.789	0.0078	6.5954	0.0509	0.0465	-0.0036	0.0938
742	9.9	9.93	4.7991	1.7883	0.0079	6.5952	0.0568	0.0494	0.0015	0.1077
743	9.99	9.92	4.7995	1.7878	0.0084	6.5956	0.0607	0.0616	0.004	0.1262
744	10.1	9.93	4.8007	1.7873	0.0086	6.5966	0.0524	0.0819	-0.0024	0.1319
745	10.2	9.92	4.8021	1.7878	0.0085	6.5985	0.0573	0.0808	-0.0077	0.1304
746	9.84	9.88	4.8025	1.7879	0.0084	6.5988	0.0592	0.075	-0.0116	0.1226
747	10.1	9.87	4.8019	1.788	0.008	6.598	0.0528	0.0789	-0.0133	0.1184
748	10.4	9.84	4.8021	1.788	0.008	6.5982	0.0477	0.0842	-0.0112	0.1207
749	9.48	9.82	4.8026	1.7879	0.0077	6.5982	0.0476	0.0863	-0.0137	0.1201
750	9.34	9.76	4.8028	1.7876	0.0077	6.5981	0.0555	0.0763	-0.0188	0.113
751	9.61	9.72	4.8021	1.7877	0.0078	6.5975	0.0587	0.0715	-0.0178	0.1124
752	9.77	9.69	4.8016	1.7875	0.008	6.5971	0.0555	0.0689	-0.0145	0.1099
753	9.38	9.67	4.8012	1.7876	0.008	6.5969	0.0459	0.0769	-0.0113	0.1114
754	9.39	9.63	4.8009	1.7882	0.0081	6.5972	0.04	0.0846	-0.009	0.1156
755	9.49	9.6	4.8011	1.7884	0.0083	6.5977	0.0346	0.0745	-0.005	0.1041
756	9.47	9.6	4.8005	1.7889	0.0082	6.5975	0.0233	0.08	-0.0058	0.0975
757	9.51	9.59	4.8	1.7891	0.0082	6.5973	0.0234	0.0841	-0.0036	0.1039
758	9.98	9.54	4.7997	1.7892	0.0079	6.5969	0.0318	0.0725	-0.0011	0.1032
759	9.45	9.53	4.7993	1.7892	0.0079	6.5964	0.0356	0.0764	-0.0012	0.1108
760	9.36	9.55	4.7995	1.7888	0.0078	6.596	0.0314	0.0828	-0.005	0.1091
761	9.27	9.6	4.7994	1.7882	0.0075	6.5951	0.023	0.0894	-0.0088	0.1035
762	9.67	9.61	4.7993	1.7875	0.0076	6.5944	0.0189	0.0986	-0.0121	0.1054
763	9.29	9.64	4.7984	1.7872	0.0074	6.5931	0.0259	0.0976	-0.0115	0.112
764	9.58	9.67	4.7975	1.7877	0.0072	6.5923	0.0284	0.0947	-0.0137	0.1095
765	9.81	9.68	4.7969	1.7886	0.0069	6.5924	0.0327	0.083	-0.015	0.1007
766	9.96	9.68	4.7967	1.789	0.007	6.5927	0.0311	0.074	-0.011	0.0941
767	9.44	9.68	4.7968	1.7881	0.0074	6.5923	0.0368	0.077	-0.0108	0.1031
768	9.35	9.63	4.7966	1.7883	0.0074	6.5924	0.0426	0.0782	-0.0088	0.112

769	9.68	9.61	4.7964	1.7886	0.0073	6.5924	0.0419	0.0784	-0.008	0.1123
770	10.6	9.62	4.7963	1.7886	0.0072	6.5921	0.0486	0.0731	-0.0072	0.1144
771	9.95	9.62	4.7963	1.7878	0.0068	6.5909	0.0605	0.0694	-0.005	0.1249
772	10	9.59	4.7955	1.788	0.007	6.5905	0.0653	0.0789	-0.0047	0.1395
773	9.83	9.63	4.7965	1.7872	0.0071	6.5908	0.0675	0.0787	-0.0051	0.1411
774	9.67	9.67	4.7961	1.7874	0.0072	6.5907	0.076	0.07	-0.002	0.144
775	9.59	9.67	4.7964	1.7869	0.0078	6.5911	0.0853	0.0629	0.0032	0.1515
776	9.33	9.66	4.7967	1.7866	0.0083	6.5916	0.098	0.0554	0.0052	0.1586
777	9.11	9.68	4.7971	1.7863	0.0086	6.592	0.0926	0.0699	0.0061	0.1686
778	9.13	9.69	4.7986	1.7859	0.0086	6.5931	0.0948	0.0666	0.004	0.1655
779	9.58	9.7	4.7989	1.7863	0.0087	6.5939	0.0911	0.0785	0.0006	0.1702
780	9.27	9.68	4.7993	1.7859	0.009	6.5941	0.0856	0.0865	0.0037	0.1758
781	9	9.69	4.7996	1.786	0.0096	6.5953	0.086	0.0845	0.0011	0.1716
782	10.1	9.69	4.8007	1.7853	0.0098	6.5958	0.0867	0.0888	-0.0023	0.1733
783	10.2	9.72	4.8002	1.7857	0.01	6.596	0.0833	0.0886	-0.0066	0.1653
784	9.98	9.73	4.8002	1.7856	0.01	6.5958	0.0756	0.0875	-0.0098	0.1532
785	9.74	9.76	4.8	1.7858	0.0095	6.5952	0.0596	0.0868	-0.0121	0.1343
786	9.76	9.79	4.7995	1.7858	0.0091	6.5943	0.034	0.0822	-0.0117	0.1045
787	9.62	9.82	4.7991	1.7856	0.0088	6.5935	0.0352	0.0854	-0.0112	0.1094
788	9.86	9.87	4.7992	1.7854	0.0086	6.5932	0.0428	0.0707	-0.0131	0.1003
789	10.2	9.9	4.7993	1.7854	0.0087	6.5934	0.0482	0.0612	-0.0111	0.0984
790	10	9.92	4.7992	1.7858	0.0088	6.5938	0.0366	0.0597	-0.0087	0.0876
791	10.1	9.96	4.7997	1.7856	0.0086	6.5939	0.0356	0.0682	-0.007	0.0968
792	10.3	9.92	4.8	1.785	0.0084	6.5934	0.0413	0.0623	-0.0068	0.0968
793	10	9.87	4.8008	1.7838	0.0088	6.5934	0.0478	0.0509	-0.004	0.0947
794	10.1	9.79	4.8004	1.7839	0.0094	6.5937	0.0425	0.0525	-0.0008	0.0942
795	9.96	9.78	4.8008	1.7844	0.0097	6.5948	0.0498	0.0427	0.0006	0.093
796	9.71	9.73	4.8014	1.7844	0.0097	6.5954	0.0612	0.0459	-0.0023	0.1049
797	9.97	9.7	4.8018	1.7841	0.0096	6.5954	0.0669	0.0481	-0.0043	0.1106
798	10.1	9.67	4.8017	1.784	0.0098	6.5955	0.0599	0.0543	-0.0078	0.1064
799	9.82	9.65	4.8009	1.7849	0.0102	6.596	0.0619	0.0667	-0.0097	0.119
800	9.72	9.64	4.8	1.7855	0.0099	6.5954	0.0615	0.0745	-0.0147	0.1213
801	9.31	9.62	4.7996	1.7855	0.0095	6.5946	0.0605	0.0781	-0.0188	0.1198
802	9.2	9.61	4.7996	1.7846	0.0091	6.5934	0.0374	0.0874	-0.0171	0.1077
803	8.57	9.61	4.7988	1.7841	0.0087	6.5916	0.0289	0.0839	-0.0156	0.0971
804	9.39	9.58	4.7985	1.7849	0.0083	6.5917	0.0249	0.0736	-0.0157	0.0828
805	8.98	9.58	4.7993	1.7837	0.0083	6.5913	0.0203	0.069	-0.0149	0.0744

806	8.95	9.57	4.7987	1.7833	0.0082	6.5902	0.0156	0.0643	-0.0151	0.0648
807	9.32	9.52	4.7981	1.7833	0.0082	6.5896	0.0029	0.0692	-0.018	0.0542
808	9.74	9.47	4.7974	1.7833	0.0084	6.589	0.002	0.0688	-0.0187	0.0521
809	9.87	9.43	4.7981	1.7832	0.0089	6.5901	-0.0128	0.0799	-0.0212	0.0459
810	9.66	9.38	4.7991	1.7831	0.0091	6.5913	-0.0291	0.0873	-0.0188	0.0394
811	10.3	9.38	4.8003	1.7828	0.009	6.5921	-0.0308	0.0917	-0.0168	0.0441
812	9.86	9.42	4.8005	1.7827	0.0089	6.5922	-0.0266	0.0803	-0.0206	0.0332
813	9.56	9.45	4.8012	1.7821	0.0093	6.5926	-0.0115	0.0608	-0.0193	0.0301
814	9.94	9.42	4.8011	1.782	0.0097	6.5928	-0.0121	0.0482	-0.023	0.0132
815	9.48	9.4	4.8005	1.7832	0.0096	6.5932	-0.0147	0.0479	-0.0276	0.0056
816	9.11	9.43	4.8002	1.7833	0.0095	6.593	-0.0077	0.0486	-0.0308	0.0101
817	9.18	9.43	4.7997	1.7838	0.0093	6.5928	0.0079	0.0453	-0.0291	0.0241
818	8.98	9.39	4.7994	1.7842	0.0091	6.5927	0.0209	0.0339	-0.0242	0.0305
819	8.89	9.34	4.799	1.7843	0.0089	6.5921	0.0284	0.0327	-0.0203	0.0409
820	9.35	9.3	4.7977	1.7844	0.0088	6.5909	0.027	0.0383	-0.0171	0.0481
821	9.87	9.25	4.7967	1.7841	0.0086	6.5895	0.0208	0.0439	-0.017	0.0477
822	9.23	9.22	4.7964	1.7841	0.0084	6.5889	0.0212	0.0401	-0.0216	0.0397
823	8.73	9.21	4.7955	1.7844	0.0082	6.588	0.0023	0.0516	-0.0198	0.0341
824	8.64	9.18	4.7946	1.7846	0.0079	6.5871	-0.0021	0.0566	-0.0213	0.0332
825	9.49	9.16	4.7939	1.7848	0.0081	6.5868	-0.0218	0.0737	-0.0191	0.0328
826	9.35	9.18	4.7944	1.7838	0.0082	6.5864	-0.0086	0.0673	-0.0186	0.0402
827	9.04	9.19	4.7944	1.7838	0.0084	6.5866	0.0041	0.0594	-0.0167	0.0468
828	8.88	9.23	4.7945	1.7832	0.0088	6.5865	0.005	0.0566	-0.0132	0.0484
829	8.88	9.29	4.7944	1.7831	0.0086	6.5861	0.0258	0.0463	-0.0108	0.0613
830	9.34	9.3	4.794	1.7835	0.0088	6.5864	0.0335	0.047	-0.0096	0.0709
831	9.29	9.29	4.7934	1.7836	0.0091	6.5862	0.0356	0.0484	-0.0063	0.0777
832	9.28	9.33	4.7933	1.7838	0.0094	6.5865	0.0523	0.037	0.0037	0.093
833	9.35	9.39	4.7938	1.7839	0.0096	6.5873	0.0866	0.0112	0.0138	0.1116
834	9.21	9.46	4.7952	1.7835	0.0095	6.5882	0.0844	0.0117	0.019	0.1151
835	9.45	9.49	4.7967	1.7832	0.0092	6.589	0.0891	0.0176	0.0209	0.1276
836	9.27	9.52	4.7969	1.783	0.009	6.589	0.0683	0.0411	0.0166	0.126
837	9.76	9.57	4.7962	1.7834	0.0089	6.5885	0.0495	0.0554	0.0101	0.115
838	10.2	9.65	4.7953	1.784	0.0088	6.5882	0.032	0.0726	0.0053	0.1098
839	9.41	9.71	4.7955	1.7835	0.0086	6.5876	0.0214	0.0852	-0.0015	0.1051
840	9.82	9.72	4.7949	1.7826	0.0085	6.5861	0.0124	0.0997	-0.0052	0.1069
841	9.91	9.73	4.7945	1.7828	0.0084	6.5857	0.0056	0.098	-0.0029	0.1007
842	9.85	9.71	4.7943	1.7833	0.0082	6.5858	0.0111	0.0946	0.0005	0.1062

843	9.9	9.71	4.7952	1.7825	0.0084	6.5861	0.0175	0.0811	-0.0007	0.0978
844	10.1	9.69	4.7957	1.783	0.0085	6.5873	0.0483	0.0494	0.0001	0.0977
845	9.9	9.66	4.796	1.7833	0.0087	6.588	0.0532	0.0432	0.0028	0.0992
846	10.1	9.65	4.7958	1.7831	0.0088	6.5877	0.0729	0.0348	0.006	0.1137
847	10.3	9.61	4.7959	1.7826	0.0088	6.5873	0.0923	0.0271	0.0046	0.124
848	10.2	9.56	4.7959	1.7814	0.009	6.5863	0.1007	0.0189	0.0034	0.123
849	9.54	9.52	4.7964	1.7805	0.0092	6.586	0.0969	0.0096	0.0055	0.112
850	9.44	9.46	4.7968	1.7798	0.0096	6.5861	0.08	0.0304	0.01	0.1205
851	8.88	9.39	4.7983	1.779	0.0095	6.5868	0.0636	0.0462	0.009	0.1189
852	9.3	9.34	4.7987	1.7791	0.0096	6.5874	0.0562	0.0501	0.0063	0.1126
853	8.94	9.28	4.7987	1.7803	0.0096	6.5886	0.059	0.039	0.0033	0.1013
854	8.87	9.21	4.7989	1.7813	0.0096	6.5898	0.0507	0.038	-0.003	0.0858
855	8.95	9.17	4.7995	1.782	0.0098	6.5912	0.0448	0.0503	-0.0072	0.0879
856	9.16	9.14	4.8002	1.782	0.0099	6.5921	0.088	0.015	-0.0071	0.0958
857	9.05	9.11	4.7998	1.7822	0.0101	6.5921	0.1077	-0.0141	-0.008	0.0856
858	8.75	9.07	4.801	1.7812	0.01	6.5923	0.1013	-0.0157	-0.0053	0.0803
859	8.66	9.05	4.8022	1.7805	0.0098	6.5925	0.0927	-0.0142	-0.0032	0.0753
860	8.65	9.05	4.8026	1.7796	0.0095	6.5916	0.0888	-0.0065	0.0008	0.0831
861	8.93	9.07	4.8021	1.7802	0.0096	6.5918	0.0901	-0.0042	0.0025	0.0884
862	8.72	9.07	4.8004	1.7814	0.0095	6.5914	0.0933	-0.0026	0.0028	0.0935
863	8.67	9.08	4.7996	1.7824	0.0097	6.5918	0.0947	0.0025	0.0035	0.1007
864	9.12	9.1	4.7989	1.7829	0.0099	6.5917	0.095	0.0089	0.0083	0.1122
865	9.54	9.12	4.7977	1.7837	0.01	6.5914	0.0862	0.0171	0.0118	0.1152
866	9.69	9.15	4.7959	1.7845	0.0099	6.5903	0.0789	0.0331	0.0134	0.1254
867	9.44	9.14	4.7947	1.7847	0.0098	6.5892	0.0817	0.0365	0.0101	0.1283
868	9.18	9.16	4.7938	1.7851	0.0094	6.5883	0.0821	0.0438	0.0078	0.1337
869	9.44	9.18	4.7937	1.7848	0.009	6.5875	0.0801	0.0454	0.0061	0.1316
870	9.31	9.23	4.7942	1.7842	0.0089	6.5873	0.0813	0.049	0.002	0.1324
871	9.32	9.28	4.7942	1.7838	0.009	6.5869	0.067	0.0513	-0.0029	0.1154
872	9.15	9.36	4.7953	1.7828	0.009	6.5871	0.0525	0.0493	-0.0061	0.0958
873	9.1	9.41	4.7967	1.7816	0.0092	6.5874	0.0377	0.0534	-0.0078	0.0833
874	9.42	9.44	4.7982	1.7801	0.0091	6.5874	0.016	0.0664	-0.0089	0.0735
875	9.64	9.44	4.7973	1.7802	0.0097	6.5871	-0.0029	0.073	-0.0112	0.0589
876	9	9.45	4.7963	1.7807	0.01	6.5869	-0.0104	0.0717	-0.0135	0.0478
877	9.03	9.47	4.7966	1.7806	0.01	6.5872	-0.0096	0.0625	-0.0141	0.0389
878	9.09	9.49	4.796	1.7813	0.0097	6.587	-0.0019	0.0532	-0.0112	0.0401
879	9.55	9.48	4.7956	1.7816	0.0096	6.5868	-0.0127	0.0504	-0.0089	0.0288

880	9.96	9.48	4.7957	1.7811	0.0096	6.5864	-0.0232	0.0535	-0.0087	0.0216
881	10.2	9.49	4.7944	1.7823	0.0092	6.586	-0.0045	0.0446	-0.0064	0.0337
882	9.64	9.5	4.792	1.7842	0.0084	6.5846	0.0125	0.0175	-0.0016	0.0284
883	9.61	9.5	4.7918	1.7845	0.0081	6.5844	0.0136	0.0187	0.0029	0.0352
884	9.52	9.52	4.7913	1.7838	0.0079	6.583	0.03	0.0197	0.0055	0.0552
885	9.83	9.51	4.7931	1.7816	0.0078	6.5826	0.0553	0.0104	0.0064	0.0721
886	9.9	9.49	4.7945	1.7803	0.008	6.5828	0.0655	0.0117	0.0064	0.0836
887	9.58	9.5	4.7959	1.7784	0.0083	6.5825	0.0568	0.0307	0.0042	0.0917
888	9.19	9.5	4.797	1.7769	0.0088	6.5827	0.0465	0.0458	-0.0009	0.0913
889	9.42	9.47	4.7981	1.7755	0.0092	6.5828	0.0516	0.0465	-0.006	0.092
890	9.46	9.41	4.7987	1.776	0.0091	6.5837	0.0601	0.0373	-0.009	0.0883
891	9.38	9.35	4.7986	1.7761	0.0086	6.5833	0.0503	0.0304	-0.0092	0.0716
892	9.15	9.33	4.7983	1.7768	0.0085	6.5836	0.0343	0.0538	-0.005	0.0832
893	9.62	9.32	4.7959	1.7788	0.0088	6.5836	0.025	0.0747	-0.0036	0.0962
894	9.46	9.3	4.795	1.7796	0.0091	6.5837	0.0522	0.0486	-0.0045	0.0963
895	8.67	9.3	4.7935	1.7809	0.0091	6.5834	0.0423	0.0715	-0.0008	0.1129
896	9.29	9.33	4.7922	1.7817	0.0092	6.583	0.0536	0.0701	0.0036	0.1274
897	9.09	9.32	4.7917	1.7822	0.0092	6.5831	0.0597	0.0742	0.002	0.1359
898	8.92	9.34	4.792	1.7831	0.0093	6.5843	0.0614	0.0748	0.001	0.1372
899	8.92	9.35	4.7929	1.7819	0.0092	6.5839	0.0677	0.041	0.0042	0.1129
900	8.93	9.37	4.7936	1.7809	0.009	6.5836	0.0799	0.0255	0.0103	0.1157
901	9.29	9.36	4.794	1.7805	0.0088	6.5833	0.0886	0.0185	0.0129	0.1199
902	9.45	9.37	4.7937	1.7807	0.0088	6.5833	0.1074	0.0183	0.0094	0.1351
903	9.22	9.37	4.7938	1.7803	0.009	6.583	0.1138	0.015	0.0055	0.1343
904	9.76	9.37	4.7941	1.7799	0.009	6.583	0.1348	-0.0062	0.0018	0.1305
905	10.5	9.4	4.7905	1.7822	0.009	6.5817	0.1301	0.0009	0.0028	0.1339
906	9.38	9.39	4.7879	1.7847	0.009	6.5816	0.1297	0.01	0.0079	0.1476
907	9.62	9.39	4.788	1.7849	0.0087	6.5815	0.1405	0.0109	0.01	0.1614
908	9.6	9.43	4.7881	1.7847	0.0087	6.5815	0.1502	0.0037	0.0085	0.1623
909	9.81	9.46	4.7892	1.7838	0.0088	6.5818	0.1548	-0.0036	0.0051	0.1563
910	9.2	9.51	4.79	1.7835	0.0089	6.5824	0.1641	-0.0155	-0.0003	0.1484
911	9.41	9.54	4.791	1.783	0.0087	6.5828	0.1445	-0.0079	-0.0033	0.1333
912	9.49	9.54	4.7911	1.7825	0.0085	6.5821	0.1117	0.0241	0.0002	0.136
913	9.52	9.54	4.7917	1.7812	0.0085	6.5814	0.1054	0.0236	0.0015	0.1305
914	9.27	9.52	4.7925	1.7803	0.0085	6.5813	0.1109	0.0222	0.0067	0.1398
915	9.02	9.44	4.7926	1.7798	0.0083	6.5807	0.1017	0.0318	0.011	0.1444
916	9.18	9.41	4.7921	1.7797	0.0085	6.5802	0.0889	0.0496	0.0107	0.1492

917	9.72	9.37	4.7915	1.7795	0.0085	6.5795	0.1233	0.0138	0.0129	0.15
918	9.44	9.33	4.7914	1.7796	0.0085	6.5795	0.1086	0.0173	0.0098	0.1357
919	9.89	9.28	4.7908	1.7794	0.0087	6.5789	0.0641	0.049	0.0035	0.1166
920	9.79	9.28	4.791	1.7793	0.009	6.5793	0.0621	0.0494	-0.0057	0.1058
921	9.4	9.26	4.7915	1.7792	0.0092	6.5799	0.0748	0.0309	-0.0122	0.0935
922	9.34	9.25	4.7926	1.7787	0.0092	6.5805	0.0845	0.016	-0.0127	0.0878
923	9.3	9.21	4.7939	1.7777	0.0091	6.5807	0.0996	0.0017	-0.0091	0.0923
924	8.93	9.2	4.7949	1.7773	0.0091	6.5812	0.13	-0.027	-0.0043	0.0987
925	8.79	9.2	4.7949	1.7777	0.0094	6.582	0.1533	-0.0462	-0.0031	0.1041
926	8.84	9.2	4.7953	1.7776	0.0096	6.5825	0.141	-0.0429	0.0008	0.0989
927	8.84	9.19	4.7946	1.7785	0.0095	6.5826	0.1363	-0.0422	0.0017	0.0957
928	8.89	9.21	4.7958	1.7782	0.0097	6.5837	0.1185	-0.0266	0.0016	0.0935
929	9.2	9.19	4.7967	1.7778	0.0095	6.5839	0.1276	-0.0368	0.0003	0.091
930	9.15	9.18	4.7945	1.779	0.0095	6.583	0.1266	-0.0351	0.0023	0.0937
931	9.2	9.18	4.7922	1.7819	0.0093	6.5833	0.1162	-0.0278	0.0004	0.0888
932	8.77	9.19	4.7919	1.7819	0.0092	6.583	0.0918	0.0049	-0.005	0.0917
933	9.15	9.2	4.7908	1.7819	0.009	6.5817	0.0574	0.0379	-0.0127	0.0826
934	8.96	9.2	4.7897	1.7825	0.0088	6.581	0.0519	0.0476	-0.0121	0.0873
935	9.19	9.24	4.7901	1.782	0.0086	6.5807	0.053	0.0485	-0.0101	0.0914
936	9.58	9.28	4.7913	1.7799	0.0086	6.5798	0.0967	0.0103	-0.0105	0.0965
937	9.77	9.31	4.7916	1.7788	0.009	6.5794	0.1204	-0.0119	-0.011	0.0974
938	9.51	9.35	4.7902	1.7794	0.0094	6.579	0.1388	-0.0421	-0.0098	0.087
939	9.53	9.38	4.7895	1.7798	0.0095	6.5788	0.1474	-0.0541	-0.0089	0.0844
940	9.48	9.41	4.7899	1.7796	0.0094	6.5789	0.1367	-0.0511	-0.0071	0.0785
941	9.52	9.43	4.791	1.7774	0.0089	6.5774	0.1121	-0.028	-0.008	0.0762
942	9.56	9.49	4.7918	1.7758	0.0086	6.5762	0.0979	-0.0239	-0.0111	0.0629
943	8.93	9.5	4.79	1.7777	0.0089	6.5765	0.1092	-0.032	-0.0113	0.0659
944	9.45	9.56	4.7915	1.7759	0.0086	6.576	0.0959	-0.0241	-0.0085	0.0633
945	9.55	9.58	4.7906	1.7762	0.0084	6.5753	0.0843	-0.0134	-0.0062	0.0648
946	9.51	9.57	4.7898	1.7756	0.0086	6.5741	0.0221	0.0466	-0.0027	0.0661
947	9.71	9.55	4.7898	1.7751	0.0087	6.5736	-0.0349	0.1004	0.0007	0.0662
948	9.77	9.54	4.7892	1.7773	0.0085	6.575	-0.0446	0.1191	0.0019	0.0765
949	9.6	9.54	4.7884	1.7779	0.0081	6.5745	-0.0293	0.1141	0.0044	0.0892
950	9.55	9.55	4.7879	1.7779	0.0083	6.5742	-0.072	0.1622	0.0027	0.0929
951	9.93	9.55	4.7876	1.7771	0.0086	6.5733	-0.0624	0.1516	0.0011	0.0903
952	9.38	9.52	4.7873	1.7776	0.009	6.5739	0.0065	0.0901	0.0007	0.0973
953	10.1	9.51	4.7852	1.7809	0.0094	6.5755	0.0886	0.0184	0.0022	0.1092

954	9.57	9.47	4.7858	1.7812	0.0093	6.5764	0.1286	-0.0216	0.0051	0.1122
955	9.48	9.46	4.7865	1.781	0.009	6.5765	0.1419	-0.0235	0.0052	0.1237
956	9.36	9.44	4.7861	1.7809	0.009	6.5759	0.1078	-0.0016	0.0062	0.1124
957	9.37	9.4	4.7848	1.7818	0.0092	6.5758	0.0955	0.0125	0.009	0.117
958	9.52	9.38	4.7855	1.7816	0.0095	6.5766	0.1041	0.0126	0.0058	0.1225
959	9.61	9.35	4.7858	1.7821	0.0098	6.5777	0.1045	0.0202	0.0045	0.1293
960	9.53	9.36	4.7881	1.7804	0.0098	6.5783	0.1111	0.0189	0.0067	0.1367
961	9.01	9.34	4.7909	1.7778	0.0096	6.5782	0.1087	0.0347	0.0093	0.1526
962	8.79	9.35	4.7899	1.7791	0.0093	6.5783	0.0818	0.0807	0.0081	0.1706
963	8.63	9.32	4.7886	1.7802	0.0091	6.5778	0.026	0.1102	0.0005	0.1367
964	9.35	9.33	4.7888	1.7797	0.0088	6.5773	0.0427	0.0931	0.0013	0.1372
965	9.19	9.31	4.7888	1.7788	0.0089	6.5765	0.0613	0.0826	0.0045	0.1485
966	8.88	9.31	4.7836	1.7831	0.0086	6.5753	0.0638	0.0709	-0.0011	0.1337
967	9.34	9.27	4.7838	1.783	0.0088	6.5756	0.068	0.0555	-0.0023	0.1211
968	9.1	9.26	4.7874	1.7802	0.0091	6.5766	0.0926	0.0196	-0.0048	0.1073
969	9.71	9.23	4.7875	1.7799	0.0096	6.577	0.1006	0.0068	-0.0069	0.1005
970	9.54	9.21	4.7867	1.7811	0.0101	6.5779	0.0642	0.0261	-0.0064	0.0839
971	9.51	9.24	4.7857	1.7822	0.0103	6.5781	0.0284	0.0531	-0.0019	0.0797
972	9.66	9.28	4.7853	1.7827	0.0099	6.5779	0.0218	0.0542	0.0023	0.0783
973	9.62	9.32	4.7837	1.7843	0.0096	6.5776	0.0389	0.043	0.0034	0.0853
974	9.2	9.34	4.7829	1.7847	0.0094	6.577	0.0242	0.0535	0.0034	0.0811
975	9.25	9.4	4.7832	1.7845	0.0096	6.5772	0.0626	0.0356	0.0026	0.1007
976	8.68	9.47	4.7826	1.7849	0.0098	6.5773	0.1578	-0.045	0.0051	0.1179
977	9.24	9.48	4.7848	1.7833	0.0098	6.5779	0.1652	-0.0434	0.0067	0.1285
978	9.13	9.49	4.7832	1.785	0.0097	6.5779	0.1449	-0.0182	0.0089	0.1356
979	9.12	9.49	4.7829	1.7851	0.0094	6.5774	0.1498	-0.0088	0.0095	0.1504
980	9.59	9.53	4.7841	1.7838	0.0096	6.5775	0.1691	-0.0211	0.0079	0.1559
981	9.49	9.54	4.7852	1.7818	0.0097	6.5768	0.1524	-0.0169	0.0083	0.1438
982	9.49	9.51	4.7863	1.7804	0.0097	6.5764	0.1347	0.0021	0.0029	0.1397
983	9.76	9.5	4.7866	1.7798	0.0093	6.5757	0.1002	0.0198	-0.0032	0.1168
984	10.2	9.51	4.786	1.779	0.0089	6.5739	0.0252	0.0658	-0.006	0.085
985	10.2	9.51	4.7835	1.7806	0.0089	6.5729	-0.0322	0.1322	-0.0051	0.0949
986	9.65	9.55	4.7825	1.7815	0.0091	6.5731	-0.0847	0.1865	-0.0047	0.0971
987	9.27	9.56	4.782	1.7826	0.0093	6.5738	-0.0029	0.1023	-0.0039	0.0955
988	9.6	9.56	4.7823	1.7823	0.0097	6.5742	0.0863	0.018	-0.0031	0.1013
989	10.3	9.57	4.7844	1.7806	0.0099	6.5749	0.1048	-0.018	-0.0011	0.0857
990	9.72	9.58	4.7875	1.7788	0.0099	6.5761	0.0859	0.001	-0.0003	0.0865

991	9.19	9.58	4.7888	1.7785	0.0097	6.577	0.097	-0.0099	0.0018	0.0889
992	9.45	9.57	4.7873	1.78	0.0096	6.577	0.121	-0.0401	-0.0021	0.0788
993	9.28	9.54	4.7863	1.7812	0.0097	6.5772	0.1296	-0.0527	-0.005	0.0719
994	9.21	9.5	4.7866	1.781	0.0097	6.5773	0.1121	-0.033	-0.0001	0.079
995	9.55	9.5	4.7913	1.7762	0.0094	6.5768	0.1061	-0.0236	-0.0031	0.0794
996	9.32	9.49	4.7956	1.7716	0.0091	6.5764	0.092	-0.0153	-0.0046	0.0721
997	9.26	9.48	4.7962	1.7703	0.009	6.5755	0.1031	-0.0342	-0.0016	0.0673
998	9.23	9.45	4.7949	1.7717	0.0088	6.5754	0.1188	-0.0458	0.0008	0.0738
999	9.74	9.4	4.8001	1.7657	0.0089	6.5746	0.1156	-0.0497	-0.0037	0.0621
1000	9.64	9.39	4.7999	1.7658	0.0089	6.5745	0.1223	-0.0455	-0.0055	0.0714
1001	9.2	9.41	4.7934	1.7715	0.0088	6.5736	0.1186	-0.044	-0.0038	0.0708
1002	9.22	9.42	4.7848	1.7789	0.0086	6.5723	0.1079	-0.0367	-0.0056	0.0655
1003	9.54	9.43	4.7809	1.7824	0.0085	6.5718	0.0802	-0.0051	-0.0048	0.0703
1004	10.1	9.42	4.7799	1.7822	0.0085	6.5706	0.0497	0.0358	-0.0029	0.0826
1005	9.41	9.41	4.7797	1.7824	0.0084	6.5704	0.0524	0.0314	-0.0052	0.0787
1006	9.16	9.39	4.7784	1.7835	0.0081	6.57	0.0688	0.0148	-0.0087	0.0749
1007	8.93	9.38	4.7776	1.7836	0.0081	6.5693	0.028	0.0549	-0.0081	0.0747
1008	9.48	9.36	4.7776	1.7827	0.0083	6.5686	-0.0026	0.0793	-0.0027	0.074
1009	9.4	9.3	4.7781	1.7819	0.0082	6.5681	0.0117	0.0597	0.0038	0.0753
1010	9.69	9.27	4.7792	1.78	0.0079	6.5672	0.0386	0.047	0.008	0.0935
1011	9.6	9.24	4.7828	1.775	0.0079	6.5657	0.0596	0.0353	0.0098	0.1048
1012	9.46	9.23	4.7885	1.7715	0.0085	6.5684	0.1319	-0.0312	0.0085	0.1092
1013	9.09	9.21	4.7874	1.7719	0.0084	6.5676	0.112	-0.0031	0.0055	0.1143
1014	9.37	9.13	4.7864	1.7721	0.008	6.5665	0.0616	0.0444	0.0031	0.1091
1015	8.85	9.08	4.7862	1.7728	0.0084	6.5673	0.0681	0.0391	0.0018	0.109
1016	9.04	9.03	4.7853	1.7741	0.0087	6.5681	0.0827	0.0194	0.0029	0.1051
1017	8.81	9.01	4.7822	1.7775	0.009	6.5687	0.0116	0.0887	0.0006	0.1008
1018	8.71	8.98	4.7813	1.779	0.0092	6.5695	-0.0351	0.1361	-0.0002	0.1007
1019	9.08	8.95	4.7844	1.7768	0.0093	6.5705	0.0148	0.0913	0.0002	0.1062
1020	8.67	8.9	4.7882	1.774	0.0092	6.5713	0.0434	0.0658	0.0049	0.1141
1021	8.94	8.85	4.7893	1.7738	0.009	6.5721	-0.0023	0.1187	0.0111	0.1275
1022	9.23	8.83	4.7888	1.7744	0.0088	6.572	-0.0267	0.1481	0.0184	0.1398
1023	8.51	8.84	4.7915	1.7724	0.0087	6.5726	-0.0393	0.1592	0.0153	0.1353
1024	8.42	8.86	4.7886	1.7737	0.0088	6.5712	-0.0662	0.1945	0.0152	0.1435
1025	8.32	8.91	4.7791	1.7822	0.0089	6.5702	-0.1043	0.2379	0.0122	0.1458
1026	8.45	8.96	4.7788	1.7819	0.0089	6.5696	-0.1111	0.2514	0.013	0.1534
1027	9.03	8.99	4.7801	1.7803	0.0086	6.5691	-0.1196	0.2606	0.0146	0.1556

1028	8.81	9.01	4.7808	1.7791	0.0087	6.5686	-0.1003	0.2438	0.0135	0.157
1029	8.61	9.01	4.7798	1.7799	0.0087	6.5684	-0.102	0.2447	0.0127	0.1554
1030	8.8	9.01	4.7792	1.7807	0.0087	6.5686	-0.0686	0.2042	0.0081	0.1437
1031	8.98	8.98	4.7787	1.7817	0.009	6.5694	-0.0118	0.1393	0.0086	0.1361
1032	9.37	8.93	4.7819	1.7799	0.0095	6.5713	0.0142	0.0985	0.0112	0.124
1033	9.68	8.93	4.7883	1.7753	0.0096	6.5732	-0.0108	0.128	0.012	0.1293
1034	9.8	8.93	4.7929	1.7693	0.0094	6.5715	0.0497	0.0565	0.0084	0.1145
1035	9.97	8.93	4.7986	1.7633	0.009	6.571	0.078	0.0098	0.0066	0.0945
1036	9.43	8.94	4.7916	1.7697	0.009	6.5703	0.0518	0.0313	0.0107	0.0938
1037	9.16	8.9	4.7829	1.777	0.0093	6.5692	0.0438	0.0453	0.0128	0.1018
1038	8.95	8.87	4.7797	1.7812	0.0095	6.5704	0.0545	0.0504	0.014	0.1189
1039	8.71	8.88	4.7809	1.7797	0.0095	6.5701	0.0381	0.0709	0.0193	0.1283
1040	8.33	8.87	4.7802	1.7806	0.0092	6.57	0.0256	0.0944	0.0205	0.1404
1041	8.44	8.9	4.7789	1.7814	0.0091	6.5695	0.0113	0.1223	0.0191	0.1527
1042	8.51	8.92	4.7788	1.7811	0.0091	6.569	0.0005	0.151	0.0139	0.1655
1043	8.41	8.9	4.7788	1.781	0.0089	6.5686	-0.0309	0.1774	0.0128	0.1593
1044	8.16	8.87	4.7809	1.7782	0.0089	6.5681	-0.0667	0.2049	0.0147	0.1529
1045	8.65	8.81	4.7814	1.7778	0.0088	6.5681	-0.0171	0.1465	0.0131	0.1425
1046	8.32	8.8	4.7795	1.7791	0.0088	6.5674	0.0253	0.0994	0.0088	0.1335
1047	8.28	8.83	4.7779	1.7797	0.0086	6.5662	0.0402	0.0909	0.0085	0.1396
1048	8.8	8.86	4.7776	1.7823	0.0089	6.5687	0.0231	0.0929	0.0076	0.1236
1049	8.66	8.89	4.7762	1.7825	0.0087	6.5673	0.0399	0.0759	0.0024	0.1183
1050	9.56	8.96	4.7761	1.7823	0.0087	6.5671	0.0529	0.0489	0.0006	0.1023
1051	9.56	9.03	4.7768	1.7808	0.0091	6.5667	-0.0011	0.0972	-0.0009	0.0951
1052	9.47	9.07	4.7793	1.7781	0.0095	6.5669	-0.1014	0.1832	-0.0069	0.075
1053	9.13	9.16	4.7803	1.7773	0.0097	6.5673	-0.2064	0.2676	-0.0098	0.0514
1054	8.84	9.24	4.7806	1.7781	0.0098	6.5685	-0.2108	0.2631	-0.0097	0.0427
1055	9.24	9.33	4.7797	1.7795	0.0099	6.569	-0.2048	0.2462	-0.01	0.0313
1056	9.75	9.44	4.7833	1.7754	0.0098	6.5684	-0.2036	0.2441	-0.0096	0.031
1057	9.43	9.54	4.7851	1.7739	0.0095	6.5684	-0.2364	0.2662	-0.0093	0.0206
1058	9.38	9.61	4.7843	1.7756	0.0091	6.5691	-0.1752	0.2005	-0.0028	0.0224
1059	9.56	9.67	4.782	1.7774	0.009	6.5683	-0.181	0.2105	0.0016	0.0311
1060	9.88	9.66	4.7822	1.7769	0.0088	6.5678	-0.1408	0.1778	-0.0005	0.0365
1061	9.27	9.68	4.7777	1.7809	0.0087	6.5673	-0.0864	0.1115	-0.0029	0.0222
1062	10	9.7	4.7787	1.7794	0.0088	6.5669	-0.0356	0.0492	-0.0044	0.0093
1063	9.75	9.72	4.7824	1.7757	0.0087	6.5669	0.0336	-0.0011	-0.0013	0.0312
1064	10.4	9.77	4.782	1.7758	0.0086	6.5664	0.0507	-0.0281	-0.0059	0.0167

1065	10.3	9.8	4.7805	1.7768	0.0086	6.566	0.0268	-0.0212	-0.0076	-0.002
1066	10.3	9.78	4.7824	1.7742	0.0086	6.5652	0.0047	0.0105	-0.0018	0.0134
1067	10.1	9.77	4.7873	1.7694	0.0089	6.5656	0.0335	-0.0128	0.0012	0.0219
1068	9.68	9.77	4.7859	1.771	0.0091	6.566	0.1026	-0.084	0.0038	0.0224
1069	9.52	9.75	4.7832	1.7733	0.0091	6.5655	0.1118	-0.078	0.004	0.0379
1070	9.82	9.73	4.787	1.7692	0.009	6.5652	0.1357	-0.0787	0.0031	0.0601
1071	9.82	9.73	4.7884	1.7674	0.0084	6.5642	0.1509	-0.0815	0.0043	0.0737
1072	9.51	9.68	4.7892	1.7667	0.0084	6.5644	0.1362	-0.066	0.0011	0.0712
1073	9.84	9.64	4.7903	1.7648	0.0081	6.5632	0.0723	-0.0038	-0.0034	0.0651
1074	9.85	9.57	4.7933	1.7609	0.0082	6.5624	0.0781	-0.0038	-0.0055	0.0688
1075	9.27	9.5	4.7943	1.7593	0.0083	6.5619	0.0196	0.0329	-0.0031	0.0493
1076	9.29	9.4	4.7946	1.7589	0.0083	6.5618	-0.1002	0.1405	-0.0009	0.0394
1077	9.35	9.31	4.7948	1.7589	0.0084	6.5621	-0.1075	0.1408	-0.0019	0.0313
1078	9.17	9.27	4.7934	1.7605	0.0084	6.5623	-0.0888	0.1142	-0.0057	0.0197
1079	9.57	9.23	4.7898	1.7647	0.0086	6.563	-0.0923	0.1027	-0.0054	0.005
1080	9.18	9.17	4.7853	1.7699	0.0087	6.5639	-0.106	0.1128	-0.0042	0.0026
1081	9.16	9.12	4.7838	1.772	0.0086	6.5644	-0.1005	0.094	-0.0054	-0.0119
1082	9.08	9.12	4.7873	1.7676	0.0085	6.5634	0.001	0.0303	-0.0051	0.0261
1083	9.09	9.1	4.7816	1.7741	0.0085	6.5643	0.0151	0.0321	-0.0023	0.0448
1084	8.89	9.09	4.7782	1.778	0.0083	6.5645	0.0848	-0.0148	-0.0007	0.0694
1085	8.34	9.09	4.7783	1.7775	0.0078	6.5636	0.1663	-0.1102	-0.001	0.0551
1086	8.47	9.07	4.7781	1.7769	0.0079	6.5629	0.2144	-0.157	-0.0024	0.055
1087	8.86	9.04	4.7765	1.7775	0.0079	6.562	0.1135	-0.057	-0.0033	0.0532
1088	8.79	9.03	4.7785	1.7752	0.0077	6.5614	0.035	0.0098	-0.0024	0.0424
1089	8.74	8.99	4.7819	1.7711	0.0079	6.5609	0.0137	0.0452	0.0003	0.0592
1090	8.91	8.97	4.7863	1.7665	0.008	6.5608	-0.004	0.0574	0.004	0.0574
1091	9.37	8.97	4.7888	1.7634	0.0083	6.5605	-0.0295	0.076	0.0024	0.0489
1092	9.43	8.97	4.7904	1.7623	0.0083	6.5611	-0.0411	0.0834	0.0022	0.0446
1093	9.77	8.96	4.793	1.7607	0.0082	6.562	-0.0805	0.1111	0.0002	0.0307
1094	9.22	8.95	4.7883	1.7663	0.0084	6.563	-0.1052	0.1349	-0.0002	0.0295
1095	8.96	8.97	4.7887	1.7663	0.0085	6.5635	-0.0793	0.099	-0.0017	0.018
1096	8.76	9.03	4.7916	1.7625	0.0083	6.5624	-0.0579	0.0783	-0.0029	0.0175
1097	8.89	9.03	4.7939	1.761	0.0083	6.5631	-0.0707	0.0855	-0.0053	0.0095
1098	8.87	9.04	4.7909	1.7641	0.0086	6.5636	-0.035	0.0434	-0.0078	0.0005
1099	8.91	9.04	4.7948	1.7608	0.0088	6.5644	0.0067	0.0233	-0.0045	0.0255
1100	9.11	9.05	4.8	1.756	0.009	6.565	0.017	0.0047	-0.0066	0.0151
1101	9.07	9.03	4.8035	1.7531	0.0095	6.5661	0.0414	-0.0183	-0.0073	0.0158

1102	8.86	9.02	4.8055	1.7522	0.0096	6.5672	0.0863	-0.0732	-0.0027	0.0104
1103	8.72	8.98	4.802	1.7561	0.0095	6.5676	0.1222	-0.1142	0.0029	0.0109
1104	8.77	8.97	4.8004	1.7576	0.0095	6.5674	0.1163	-0.1018	0.0074	0.0219
1105	9.48	8.97	4.8001	1.7579	0.0093	6.5674	0.1152	-0.0887	0.0109	0.0373
1106	8.99	9	4.802	1.7569	0.009	6.5679	0.0905	-0.0574	0.0107	0.0438
1107	8.88	9	4.7951	1.7635	0.0084	6.567	0.1246	-0.0836	0.0142	0.0551
1108	8.71	8.99	4.7957	1.7616	0.0081	6.5654	0.1394	-0.0895	0.0147	0.0646
1109	9.11	8.96	4.7921	1.7641	0.0082	6.5645	0.1359	-0.0661	0.0109	0.0807
1110	9.14	8.95	4.7878	1.7689	0.0082	6.5649	0.1163	-0.0452	0.0073	0.0784
1111	9.15	8.93	4.7864	1.77	0.0083	6.5648	0.1179	-0.0466	0.0018	0.0731
1112	9.01	8.9	4.7851	1.7716	0.0086	6.5653	0.0574	0.0069	-0.0034	0.0609
1113	9.13	8.89	4.7823	1.7747	0.009	6.566	0.0657	-0.0112	-0.0046	0.0499
1114	8.9	8.89	4.7837	1.7742	0.0088	6.5667	0.1047	-0.0556	-0.0069	0.0423
1115	9.22	8.88	4.7857	1.7717	0.0086	6.566	0.0929	-0.0507	-0.0115	0.0307
1116	9.05	8.88	4.7819	1.7754	0.0086	6.5659	0.0555	-0.028	-0.0137	0.0137
1117	8.68	8.89	4.772	1.7859	0.0086	6.5665	0.0727	-0.062	-0.0127	-0.002
1118	8.24	8.89	4.7701	1.7868	0.0088	6.5657	0.1619	-0.1542	-0.0066	0.0012
1119	9.01	8.86	4.7708	1.7847	0.009	6.5645	0.145	-0.1417	-0.0052	-0.0019
1120	8.56	8.83	4.7731	1.7821	0.0088	6.564	0.0994	-0.1081	-0.0036	-0.0123
1121	8.39	8.8	4.7757	1.7804	0.0089	6.5649	0.1434	-0.1439	-0.0019	-0.0024
1122	8.5	8.79	4.7815	1.7748	0.0092	6.5655	0.1854	-0.1813	-0.0082	-0.0041
1123	8.76	8.81	4.7837	1.7727	0.0093	6.5657	0.1796	-0.1757	-0.0096	-0.0057
1124	9.28	8.82	4.7866	1.7705	0.0091	6.5662	0.1556	-0.158	-0.0133	-0.0156
1125	8.98	8.83	4.7892	1.7681	0.009	6.5663	0.1807	-0.1836	-0.0143	-0.0172
1126	9.09	8.84	4.7895	1.7678	0.0091	6.5665	0.2139	-0.2211	-0.0147	-0.022
1127	8.7	8.86	4.789	1.7689	0.0092	6.5671	0.2206	-0.2261	-0.0144	-0.02
1128	8.63	8.9	4.79	1.7688	0.0093	6.5681	0.194	-0.1942	-0.012	-0.0121
1129	8.49	8.93	4.7904	1.7686	0.0091	6.5681	0.1664	-0.1472	-0.0111	0.0081
1130	8.6	8.97	4.7893	1.7713	0.0092	6.5698	0.1025	-0.0776	-0.008	0.0169
1131	8.78	9.02	4.7786	1.7786	0.0095	6.5668	0.0328	0.0054	-0.003	0.0352
1132	9.49	9.06	4.7804	1.7767	0.0097	6.5668	0.0437	0.0012	-0.0028	0.0421
1133	9.04	9.09	4.7798	1.7768	0.0097	6.5663	0.1033	-0.0583	-0.0034	0.0416
1134	9.48	9.12	4.7763	1.7803	0.0095	6.566	0.0717	-0.0093	-0.0068	0.0556
1135	9.23	9.11	4.7772	1.779	0.0093	6.5655	0.0212	0.0358	-0.0108	0.0462
1136	9.05	9.1	4.7802	1.7754	0.0093	6.5649	-0.0325	0.0803	-0.014	0.0339
1137	9.11	9.12	4.7794	1.776	0.0096	6.565	-0.0255	0.0645	-0.013	0.026
1138	9.53	9.17	4.7783	1.7767	0.0095	6.5645	-0.0197	0.0528	-0.0132	0.0199

1139	9.3	9.2	4.7813	1.7739	0.0091	6.5644	0.0133	0.0195	-0.0168	0.0159
1140	9.27	9.21	4.7832	1.773	0.009	6.5651	0.069	-0.0474	-0.0179	0.0037
1141	9.27	9.21	4.783	1.7731	0.0089	6.565	0.1129	-0.0931	-0.0197	0
1142	9.36	9.19	4.7869	1.7699	0.0091	6.5659	0.1254	-0.1172	-0.018	-0.0098
1143	9.83	9.19	4.7893	1.7675	0.0089	6.5657	0.1849	-0.1654	-0.014	0.0055
1144	8.77	9.17	4.7888	1.7683	0.0091	6.5663	0.2077	-0.1748	-0.0118	0.0211
1145	8.95	9.17	4.7872	1.7699	0.0091	6.5663	0.1488	-0.1076	-0.007	0.0342
1146	9.13	9.18	4.7866	1.7705	0.0093	6.5664	0.1676	-0.0993	-0.0053	0.063
1147	9.59	9.17	4.7814	1.7754	0.0094	6.5662	0.1957	-0.1391	-0.0079	0.0487
1148	8.96	9.17	4.7769	1.7799	0.0094	6.5662	0.2174	-0.1487	-0.0077	0.061
1149	8.92	9.16	4.7745	1.782	0.0094	6.5658	0.1735	-0.1073	-0.0059	0.0602
1150	8.78	9.16	4.7719	1.7842	0.0094	6.5655	0.1933	-0.1236	-0.0056	0.0641
1151	9.05	9.16	4.7682	1.7881	0.0094	6.5657	0.2441	-0.1749	-0.0057	0.0636
1152	9.1	9.16	4.7671	1.7895	0.0092	6.5658	0.3089	-0.2409	-0.002	0.066
1153	8.99	9.12	4.7687	1.7875	0.0089	6.5651	0.3689	-0.2981	-0.0043	0.0666
1154	9.33	9.15	4.7691	1.787	0.0087	6.5648	0.3281	-0.2562	-0.0055	0.0664
1155	9.12	9.15	4.7706	1.7852	0.0088	6.5646	0.3093	-0.2163	-0.0041	0.0888
1156	8.99	9.12	4.7709	1.7837	0.0083	6.5629	0.2684	-0.1899	-0.0114	0.067
1157	9.56	9.05	4.7711	1.7828	0.008	6.562	0.2629	-0.1777	-0.0168	0.0684
1158	9.16	9.01	4.7708	1.7822	0.0081	6.5611	0.2511	-0.1677	-0.024	0.0594
1159	9.24	8.95	4.7703	1.7819	0.0083	6.5605	0.2799	-0.216	-0.0267	0.0371
1160	9.2	8.94	4.7704	1.7815	0.0086	6.5605	0.2227	-0.1809	-0.0244	0.0174
1161	9.45	8.89	4.772	1.7802	0.0091	6.5612	0.1874	-0.138	-0.0231	0.0263
1162	9.06	8.87	4.7721	1.7805	0.0093	6.5619	0.1656	-0.114	-0.0217	0.0298
1163	9.21	8.86	4.7719	1.7813	0.0094	6.5626	0.1361	-0.077	-0.0177	0.0413
1164	8.93	8.83	4.7727	1.7809	0.0098	6.5633	0.1299	-0.0682	-0.0138	0.0478
1165	8.64	8.8	4.775	1.7796	0.01	6.5646	0.1657	-0.0921	-0.015	0.0587
1166	8.27	8.79	4.7751	1.7804	0.0098	6.5654	0.1417	-0.0653	-0.016	0.0605
1167	8.09	8.79	4.7712	1.7848	0.0095	6.5655	0.0366	0.0557	-0.016	0.0764
1168	7.85	8.81	4.7714	1.7852	0.0096	6.5662	-0.1168	0.2072	-0.0124	0.0781
1169	8.51	8.84	4.7732	1.7841	0.0095	6.5668	-0.1667	0.2617	-0.008	0.087
1170	8.28	8.88	4.7726	1.7836	0.0092	6.5654	-0.1708	0.2506	-0.0031	0.0768
1171	8.68	8.88	4.7698	1.7855	0.0092	6.5646	-0.0477	0.104	-0.0033	0.053
1172	8.79	8.91	4.7713	1.7843	0.0093	6.5649	-0.0025	0.0922	0.0021	0.0918
1173	8.75	8.95	4.7747	1.7806	0.0094	6.5648	0.1101	-0.0096	0.0075	0.108
1174	8.57	8.97	4.7753	1.7792	0.0097	6.5642	0.1433	-0.032	0.011	0.1223
1175	8.8	9.02	4.7729	1.7814	0.0097	6.564	0.1738	-0.0466	0.0097	0.1369

1176	9.43	9.09	4.7725	1.7815	0.0098	6.5638	0.2197	-0.078	0.0069	0.1486
1177	9.52	9.18	4.7754	1.7783	0.0096	6.5634	0.2693	-0.1226	0.0042	0.1509
1178	9.85	9.28	4.7768	1.7752	0.0095	6.5615	0.2527	-0.1039	0.0002	0.149
1179	10.1	9.35	4.7795	1.7724	0.0094	6.5613	0.2528	-0.1035	0.0021	0.1514
1180	9.42	9.44	4.782	1.7694	0.009	6.5603	0.2395	-0.0845	-0.0004	0.1547
1181	9.66	9.53	4.7794	1.7719	0.0089	6.5602	0.1978	-0.0422	-0.0029	0.1526
1182	9.91	9.57	4.777	1.7734	0.0089	6.5593	0.0862	0.0297	0.001	0.1169
1183	9.4	9.62	4.7745	1.7751	0.0092	6.5587	0.1037	0.0073	0.0029	0.1139
1184	9.46	9.64	4.7761	1.7744	0.0093	6.5598	0.0481	0.0744	0.0019	0.1244
1185	9.57	9.64	4.7815	1.7694	0.0092	6.5602	0.0463	0.0682	0.0022	0.1166
1186	9.86	9.61	4.7807	1.7705	0.0092	6.5603	0.0602	0.0566	0.0024	0.1192
1187	9.8	9.56	4.7785	1.7723	0.0092	6.56	0.084	0.0242	0.0012	0.1094
1188	9.91	9.5	4.7771	1.7732	0.0094	6.5598	0.0815	0.029	0.0007	0.1113
1189	9.94	9.43	4.775	1.7759	0.0096	6.5605	0.0909	0.019	-0.0016	0.1083
1190	10.3	9.41	4.775	1.7758	0.0099	6.5608	0.0722	0.0196	-0.0057	0.0861
1191	9.58	9.39	4.7762	1.7751	0.0101	6.5615	0.0386	0.0633	-0.0076	0.0944
1192	9.71	9.36	4.7719	1.7788	0.0097	6.5605	0.0672	0.0412	-0.0095	0.099
1193	8.85	9.35	4.7722	1.7782	0.0094	6.5599	0.1206	-0.0068	-0.0081	0.1057
1194	8.79	9.35	4.7734	1.7771	0.0091	6.5596	0.1441	-0.0352	-0.0091	0.0998
1195	8.91	9.33	4.772	1.7762	0.009	6.5572	0.1509	-0.047	-0.0025	0.1014
1196	8.7	9.31	4.7721	1.7765	0.0091	6.5576	0.0903	0.0129	-0.0016	0.1016
1197	8.65	9.28	4.7721	1.7759	0.009	6.557	0.0688	0.0363	0.0002	0.1053
1198	8.78	9.23	4.7736	1.7748	0.0092	6.5576	-0.0076	0.1169	-0.0013	0.108
1199	9.04	9.18	4.7754	1.7731	0.0094	6.558	-0.0895	0.1923	-0.0026	0.1002
1200	9.3	9.1	4.7756	1.7735	0.0096	6.5587	-0.1496	0.2483	0.0014	0.1001
1201	9.23	9.05	4.7726	1.7772	0.0097	6.5595	-0.2022	0.3011	0.0047	0.1037
1202	9.24	9	4.7686	1.782	0.01	6.5605	-0.2199	0.3259	0.006	0.112
1203	9.51	8.99	4.7692	1.7817	0.01	6.5609	-0.1724	0.2984	0.006	0.1321
1204	9.1	8.98	4.7694	1.7792	0.0099	6.5586	-0.1211	0.2581	0.0056	0.1427
1205	9.61	8.95	4.7732	1.7769	0.0105	6.5606	-0.0773	0.2224	0.0055	0.1506
1206	9.14	8.95	4.7757	1.7746	0.0107	6.5611	-0.0264	0.179	0.0069	0.1595
1207	9.01	8.95	4.77	1.7803	0.0108	6.5611	0.0396	0.1135	0.0025	0.1556
1208	8.91	8.96	4.7677	1.7832	0.0108	6.5617	0.0697	0.0812	-0.0028	0.1482
1209	8.94	8.96	4.7699	1.7822	0.0106	6.5627	0.0243	0.1172	-0.0064	0.1351
1210	8.63	8.97	4.7691	1.7827	0.0105	6.5623	-0.0112	0.125	-0.0072	0.1066
1211	8.75	8.95	4.7698	1.7814	0.0105	6.5618	-0.0671	0.1803	-0.002	0.1112
1212	8.67	8.98	4.7715	1.7793	0.0104	6.5612	-0.0577	0.1615	0.0009	0.1047

1213	8.48	8.99	4.7694	1.7815	0.0103	6.5612	-0.0694	0.1574	0.0009	0.0889
1214	8.38	9.03	4.7671	1.7834	0.0103	6.5608	-0.1002	0.1727	0.0037	0.0762
1215	8.78	9.04	4.7716	1.7782	0.0101	6.5599	-0.1247	0.1956	0.007	0.0779
1216	8.61	9.07	4.7783	1.7698	0.0102	6.5583	-0.1368	0.2176	0.0073	0.088
1217	9.01	9.09	4.7837	1.7652	0.0098	6.5587	-0.1293	0.2141	0.0071	0.0918
1218	9.01	9.13	4.7868	1.7606	0.0096	6.557	-0.1595	0.2455	0.0079	0.0939
1219	9.38	9.17	4.7879	1.7596	0.0093	6.5568	-0.1894	0.2955	0.0076	0.1137
1220	8.96	9.2	4.7778	1.7717	0.0091	6.5587	-0.179	0.294	0.0022	0.1172
1221	9.75	9.22	4.7759	1.7712	0.0087	6.5557	-0.1385	0.2441	-0.0001	0.1055
1222	9.76	9.24	4.7705	1.7758	0.0084	6.5547	-0.0976	0.1956	0.0003	0.0983
1223	9.73	9.29	4.7694	1.776	0.0082	6.5535	-0.0771	0.183	0.0026	0.1085
1224	9.95	9.33	4.7693	1.7751	0.0081	6.5525	-0.0253	0.1368	0.0068	0.1182
1225	9.66	9.33	4.7672	1.7759	0.0083	6.5514	0.0097	0.1143	0.0105	0.1346
1226	9.34	9.32	4.7626	1.7801	0.0087	6.5514	-0.0084	0.1196	0.0092	0.1205
1227	9.77	9.28	4.7637	1.7793	0.0092	6.5522	-0.0076	0.1122	0.0035	0.1082
1228	9.52	9.25	4.7647	1.7792	0.0091	6.553	0.0099	0.0782	0.0023	0.0904
1229	9.36	9.18	4.7664	1.777	0.0092	6.5526	-0.0046	0.0725	0.0042	0.0722
1230	9.15	9.14	4.7695	1.7755	0.0095	6.5545	-0.0018	0.0626	0.001	0.0618
1231	8.98	9.09	4.77	1.7757	0.0094	6.5551	0.0232	0.0232	-0.007	0.0393
1232	9.33	9.03	4.77	1.776	0.0094	6.5554	0.0285	0.0166	-0.0106	0.0346
1233	9.31	8.97	4.775	1.7694	0.0095	6.5539	0.0296	0.0087	-0.0131	0.0251
1234	8.75	8.93	4.7716	1.7735	0.0092	6.5543	0.0183	0.007	-0.0138	0.0114
1235	8.37	8.89	4.7711	1.7734	0.009	6.5535	0.0659	-0.0284	-0.0146	0.0229
1236	8.32	8.85	4.7718	1.773	0.0092	6.554	0.1055	-0.0702	-0.0149	0.0204
1237	8.39	8.79	4.7713	1.7731	0.0095	6.5539	0.0769	-0.0374	-0.0134	0.0261
1238	7.94	8.75	4.7693	1.7748	0.0096	6.5536	0.051	-0.0108	-0.0115	0.0287
1239	8.22	8.7	4.7741	1.772	0.0097	6.5557	0.0342	0.0067	-0.0075	0.0334
1240	8.79	8.68	4.7793	1.7666	0.0098	6.5557	-0.0109	0.0569	-0.0046	0.0414
1241	8.65	8.66	4.7763	1.7689	0.0099	6.5551	0.0184	0.035	-0.0012	0.0523
1242	8.66	8.64	4.7748	1.7706	0.0099	6.5553	0.0405	0.0202	0.0019	0.0626
1243	9.2	8.62	4.7749	1.771	0.0098	6.5557	-0.0269	0.0921	0.0004	0.0655
1244	8.86	8.62	4.7737	1.773	0.0094	6.5561	-0.0489	0.123	-0.0001	0.074
1245	8.54	8.63	4.7782	1.7686	0.0093	6.5562	-0.0021	0.0779	-0.0006	0.0752
1246	8.69	8.66	4.7797	1.7669	0.0093	6.5559	0.0166	0.0406	0	0.0572
1247	8.66	8.7	4.7822	1.7637	0.0095	6.5554	0.0216	0.0464	-0.0002	0.0678
1248	8.54	8.76	4.7859	1.7607	0.0096	6.5562	0.0438	0.0227	0.0003	0.0668
1249	8.7	8.77	4.7894	1.7571	0.0092	6.5558	0.0593	0.0203	0.0017	0.0813

1250	8.63	8.78	4.7921	1.754	0.0089	6.5551	0.0849	-0.0012	0.002	0.0857
1251	9.02	8.8	4.7901	1.7555	0.0088	6.5545	0.0873	-0.0041	0.0038	0.0871
1252	8.9	8.83	4.7843	1.7597	0.0086	6.5526	0.0809	0.008	0.0059	0.0948
1253	8.76	8.81	4.7808	1.7617	0.0084	6.5508	0.0695	0.0347	0.0103	0.1145
1254	8.57	8.82	4.7768	1.7647	0.0082	6.5497	0.0908	0.0087	0.0098	0.1093
1255	8.8	8.85	4.7732	1.7673	0.0081	6.5486	0.0826	-0.0088	0.0087	0.0826
1256	9.1	8.86	4.7669	1.7724	0.0081	6.5474	0.1074	-0.0177	0.0164	0.1061
1257	9.05	8.86	4.7642	1.7747	0.0083	6.5472	0.1372	-0.0414	0.0183	0.1141
1258	8.54	8.89	4.7683	1.7705	0.0087	6.5475	0.0855	0.0196	0.0198	0.1248
1259	8.89	8.89	4.7715	1.7694	0.009	6.5498	0.0549	0.0557	0.0198	0.1304
1260	9.16	8.85	4.7771	1.7635	0.0088	6.5494	0.043	0.0682	0.0203	0.1315
1261	9.2	8.81	4.7777	1.764	0.009	6.5507	0.0318	0.0814	0.0194	0.1326
1262	8.82	8.77	4.779	1.7648	0.0092	6.553	0.0429	0.0677	0.0177	0.1283
1263	9.03	8.76	4.7819	1.764	0.0091	6.555	0.0702	0.0397	0.0127	0.1225
1264	9.04	8.73	4.7851	1.7613	0.0091	6.5555	0.0589	0.0494	0.0099	0.1182
1265	8.87	8.7	4.7887	1.7579	0.0093	6.5558	-0.0101	0.0958	0.0077	0.0934
1266	8.64	8.68	4.7881	1.759	0.0091	6.5562	0.0019	0.0662	0.0059	0.0739
1267	9.11	8.66	4.7871	1.7602	0.0087	6.5561	0.0859	-0.0352	0.0064	0.0571
1268	8.8	8.67	4.7904	1.7556	0.0088	6.5548	0.1609	-0.1048	0.0029	0.0591
1269	7.89	8.66	4.7911	1.7547	0.0092	6.5551	0.1984	-0.1587	-0.0009	0.0389
1270	8.2	8.63	4.7865	1.7592	0.0092	6.5549	0.2066	-0.1612	-0.0044	0.0411
1271	8.2	8.61	4.7796	1.7659	0.0092	6.5548	0.0858	-0.0114	-0.0098	0.0645
1272	8.5	8.61	4.779	1.766	0.0091	6.5541	0.0659	-0.0217	-0.0155	0.0287
1273	8.08	8.6	4.7773	1.7669	0.0088	6.553	-0.0474	0.0817	-0.016	0.0184
1274	8.17	8.58	4.7743	1.7678	0.0086	6.5507	-0.0554	0.083	-0.0153	0.0123
1275	8.76	8.56	4.7737	1.7695	0.0088	6.552	-0.0143	0.0329	-0.015	0.0037
1276	8.7	8.58	4.7733	1.7702	0.0094	6.553	-0.0227	0.0228	-0.0164	-0.0163
1277	8.67	8.58	4.7744	1.7705	0.0094	6.5543	-0.0467	0.0404	-0.0133	-0.0196
1278	8.62	8.58	4.7773	1.768	0.0091	6.5543	-0.0298	0.0293	-0.0075	-0.008
1279	8.7	8.6	4.7797	1.7662	0.0093	6.5552	-0.0275	0.0308	-0.0102	-0.007
1280	8.72	8.62	4.7797	1.7671	0.0097	6.5564	-0.0203	0.0195	-0.0098	-0.0106
1281	8.81	8.65	4.7766	1.7702	0.0099	6.5567	0.0055	0.0115	-0.0074	0.0096
1282	8.91	8.66	4.7741	1.7725	0.0102	6.5568	0.0076	0.0155	-0.0083	0.0148
1283	8.61	8.69	4.7726	1.7744	0.0106	6.5576	0.0029	0.0297	-0.0049	0.0277
1284	8.47	8.73	4.7695	1.7773	0.0108	6.5576	0.0427	-0.0277	-0.0016	0.0134
1285	9.15	8.76	4.771	1.7765	0.0107	6.5581	0.0172	0.0149	-0.0018	0.0303
1286	9.02	8.79	4.773	1.7742	0.0105	6.5577	0.0193	0.02	-0.0008	0.0386

1287	8.78	8.82	4.7734	1.7733	0.0104	6.5571	0.0304	0.0186	0.0022	0.0512
1288	8.36	8.89	4.7737	1.7726	0.0102	6.5565	0.0672	-0.0005	0.0071	0.0738
1289	8.5	8.94	4.7761	1.7702	0.0101	6.5563	0.0449	0.0212	0.0104	0.0765
1290	8.86	8.98	4.7732	1.7723	0.0101	6.5556	0.1006	-0.0075	0.011	0.1041
1291	8.65	9.01	4.7722	1.7731	0.0099	6.5552	0.1527	-0.0559	0.0116	0.1084
1292	8.61	9.03	4.7746	1.7696	0.0097	6.554	0.0984	-0.0054	0.0122	0.1052
1293	8.95	9.06	4.7771	1.7659	0.0094	6.5524	0.0517	0.041	0.0115	0.1042
1294	9.41	9.1	4.7737	1.7693	0.0091	6.5521	0.014	0.0764	0.0078	0.0983
1295	9.26	9.1	4.7703	1.7721	0.009	6.5515	-0.0493	0.1414	-0.0012	0.0909
1296	9.26	9.11	4.7699	1.7718	0.0091	6.5508	-0.0714	0.1459	-0.0052	0.0693
1297	9.8	9.11	4.7678	1.7736	0.009	6.5504	-0.0919	0.1617	-0.0084	0.0614
1298	9.7	9.12	4.7677	1.7728	0.009	6.5494	-0.0741	0.1483	-0.0086	0.0656
1299	9.52	9.12	4.767	1.7733	0.0092	6.5494	-0.0661	0.1243	-0.0049	0.0534
1300	9.32	9.14	4.7668	1.7739	0.0092	6.55	-0.0497	0.1035	-0.0067	0.0472
1301	9.38	9.17	4.7645	1.7764	0.0091	6.55	-0.016	0.0614	-0.0081	0.0374
1302	9.22	9.16	4.7616	1.7785	0.009	6.5491	0.0058	0.0343	-0.0112	0.0289
1303	9.14	9.17	4.7601	1.7809	0.009	6.55	-0.0443	0.0661	-0.0136	0.0082
1304	9.22	9.11	4.7612	1.7801	0.009	6.5503	-0.0692	0.0751	-0.0158	-0.0099
1305	9.13	9.1	4.7625	1.7787	0.0088	6.55	-0.0876	0.0956	-0.0169	-0.0089
1306	8.77	9.09	4.762	1.7788	0.0089	6.5496	-0.1539	0.1539	-0.0153	-0.0153
1307	8.53	9.05	4.7614	1.7784	0.0088	6.5486	-0.2232	0.2152	-0.0128	-0.0208
1308	8.63	9.03	4.7623	1.7776	0.0088	6.5487	-0.3003	0.2935	-0.0067	-0.0135
1309	9.18	9.02	4.7656	1.7754	0.0086	6.5496	-0.3163	0.3531	0.0005	0.0373
1310	9.25	8.97	4.7659	1.7746	0.0086	6.549	-0.3536	0.4002	0.0047	0.0514
1311	8.46	8.9	4.7655	1.7747	0.0087	6.549	-0.2871	0.3284	0.005	0.0463
1312	8.99	8.84	4.7645	1.7753	0.0091	6.5489	-0.2945	0.3477	0.0086	0.0618
1313	8.35	8.8	4.7635	1.7766	0.0093	6.5494	-0.1983	0.2746	0.0116	0.0878
1314	8.97	8.78	4.7681	1.7738	0.0095	6.5515	-0.1362	0.2406	0.0085	0.1129
1315	9.17	8.73	4.7714	1.7716	0.0096	6.5526	-0.0676	0.1744	0.0081	0.1149
1316	8.96	8.7	4.7697	1.7733	0.0095	6.5526	-0.0172	0.1268	0.0105	0.1201
1317	9.31	8.7	4.7676	1.7756	0.0095	6.5528	0.0106	0.091	0.0088	0.1104
1318	9.34	8.69	4.7669	1.7765	0.0097	6.5531	0.0109	0.0839	0.0034	0.0981
1319	8.51	8.65	4.7673	1.7757	0.0097	6.5527	0.0473	0.0467	0.0033	0.0974
1320	8.06	8.61	4.7693	1.7729	0.0101	6.5522	0.0598	0.0388	0.0056	0.1041
1321	8	8.63	4.7693	1.7733	0.0102	6.5529	0.057	0.0425	0.0034	0.1028
1322	8.44	8.61	4.7752	1.7676	0.01	6.5529	0.0082	0.0875	-0.0009	0.0948
1323	8.72	8.64	4.7749	1.7676	0.0097	6.5522	-0.0087	0.0891	-0.0032	0.0771

1324	8.22	8.64	4.7707	1.7718	0.0096	6.5522	-0.0099	0.0785	-0.01	0.0586
1325	8.23	8.64	4.7695	1.7736	0.0099	6.553	-0.0594	0.1008	-0.014	0.0274
1326	8.43	8.65	4.7673	1.7761	0.01	6.5534	-0.0923	0.1356	-0.012	0.0313
1327	8.46	8.65	4.7667	1.7764	0.0099	6.553	-0.1341	0.1775	-0.0075	0.0359
1328	8.48	8.63	4.7675	1.7761	0.0101	6.5537	-0.1444	0.1899	-0.0054	0.0402
1329	8.5	8.66	4.7685	1.7751	0.0101	6.5537	-0.1708	0.2213	-0.0071	0.0434
1330	8.82	8.68	4.769	1.7744	0.0102	6.5536	-0.2095	0.2587	-0.0045	0.0447
1331	8.71	8.74	4.7692	1.7741	0.0102	6.5536	-0.2515	0.3065	0.001	0.056
1332	8.84	8.78	4.7698	1.773	0.0099	6.5526	-0.294	0.3526	0.005	0.0636
1333	8.99	8.83	4.7707	1.7722	0.0096	6.5525	-0.313	0.3715	0.0095	0.068
1334	9.19	8.91	4.7699	1.772	0.0094	6.5513	-0.3355	0.4071	0.016	0.0876
1335	9.11	8.97	4.7692	1.7714	0.0091	6.5497	-0.3729	0.449	0.0197	0.0959
1336	9.24	9.01	4.7688	1.7711	0.009	6.5489	-0.353	0.4412	0.0215	0.1097
1337	9.12	9.04	4.7646	1.7732	0.0088	6.5465	-0.3641	0.4675	0.018	0.1214
1338	9	9.08	4.7648	1.7726	0.0086	6.546	-0.357	0.46	0.0136	0.1166
1339	8.51	9.1	4.764	1.7727	0.0086	6.5453	-0.354	0.457	0.0117	0.1147
1340	9.12	9.08	4.764	1.7722	0.0086	6.5449	-0.338	0.4349	0.0112	0.1081
1341	9.24	9.06	4.7665	1.7695	0.0086	6.5446	-0.3884	0.4775	0.0118	0.1009
1342	9.5	9.04	4.7696	1.7665	0.0088	6.5449	-0.393	0.4766	0.0119	0.0954
1343	9.74	8.99	4.7735	1.7633	0.009	6.5459	-0.3664	0.4392	0.0114	0.0843
1344	9.36	8.95	4.7787	1.7589	0.0095	6.547	-0.3303	0.3908	0.0075	0.068
1345	9.21	8.93	4.7853	1.7541	0.0098	6.5492	-0.35	0.406	0.004	0.0599
1346	9.07	8.89	4.7889	1.7507	0.0101	6.5498	-0.3754	0.4265	0.0022	0.0532
1347	9.18	8.87	4.7896	1.7489	0.0104	6.5488	-0.4081	0.4453	0.0015	0.0387
1348	8.88	8.87	4.7925	1.7483	0.0101	6.5508	-0.4382	0.4704	-0.0014	0.0308
1349	8.5	8.91	4.7944	1.7468	0.0099	6.5511	-0.3864	0.414	-0.0019	0.0258
1350	8.29	8.9	4.7937	1.7479	0.0097	6.5514	-0.3405	0.3654	0.0017	0.0265
1351	8.48	8.89	4.7896	1.7521	0.0099	6.5516	-0.3632	0.3963	0.0027	0.0357
1352	8.13	8.88	4.7887	1.7531	0.01	6.5518	-0.3648	0.399	0.0037	0.0378
1353	8.43	8.85	4.7877	1.7542	0.01	6.5518	-0.4173	0.4455	0.0039	0.032
1354	8.67	8.83	4.7856	1.7552	0.0099	6.5506	-0.4031	0.4443	0.0068	0.048
1355	8.52	8.82	4.7886	1.7519	0.0096	6.5502	-0.3762	0.4154	0.0029	0.0422
1356	8.79	8.82	4.7892	1.7509	0.0094	6.5495	-0.3697	0.4023	-0.0012	0.0313
1357	8.97	8.85	4.7942	1.7454	0.009	6.5485	-0.3821	0.4044	-0.0023	0.02
1358	9.24	8.86	4.8	1.7352	0.0086	6.5438	-0.3733	0.3886	-0.0019	0.0135
1359	9	8.87	4.8068	1.7294	0.0085	6.5447	-0.32	0.3379	0.0001	0.018
1360	8.96	8.87	4.8058	1.7307	0.0083	6.5448	-0.2844	0.3149	-0.0027	0.0278

1361	9.22	8.85	4.8072	1.7293	0.0081	6.5446	-0.2602	0.2896	-0.0054	0.0241
1362	9.23	8.85	4.7989	1.7373	0.008	6.5442	-0.226	0.2616	-0.0031	0.0325
1363	8.99	8.85	4.7956	1.74	0.0082	6.5437	-0.1948	0.2171	0.0048	0.0271
1364	8.96	8.83	4.7919	1.7439	0.0083	6.544	-0.189	0.222	0.0075	0.0405
1365	9.23	8.84	4.7904	1.7452	0.0082	6.5438	-0.143	0.1919	0.0083	0.0572
1366	9.58	8.84	4.787	1.7499	0.0082	6.5452	-0.1796	0.2439	0.0088	0.0731
1367	9.25	8.83	4.786	1.7518	0.0084	6.5462	-0.2481	0.3223	0.0101	0.0843
1368	8.59	8.83	4.7856	1.751	0.0085	6.5451	-0.2358	0.3151	0.0077	0.087
1369	8.34	8.81	4.7852	1.7508	0.0087	6.5446	-0.2016	0.2793	0.0066	0.0842
1370	8.15	8.8	4.7808	1.7549	0.0089	6.5446	-0.1792	0.2484	0.0047	0.0739
1371	8.03	8.79	4.7788	1.7572	0.0093	6.5453	-0.1425	0.1945	0.0051	0.0571
1372	8.51	8.8	4.7799	1.7571	0.0094	6.5464	-0.1525	0.2027	0.0067	0.0569
1373	8.29	8.81	4.7783	1.7591	0.0098	6.5471	-0.1133	0.164	0.0073	0.058
1374	8.71	8.81	4.7802	1.7577	0.01	6.548	-0.1018	0.1396	0.0029	0.0407
1375	8.68	8.79	4.7829	1.7559	0.01	6.5489	-0.0973	0.1279	0.0007	0.0313
1376	8.8	8.76	4.7867	1.7525	0.0102	6.5494	-0.1195	0.1582	0.0034	0.0422
1377	9.18	8.76	4.7888	1.7515	0.01	6.5503	-0.1471	0.19	0.0063	0.0492
1378	8.72	8.8	4.7943	1.7458	0.0098	6.55	-0.1067	0.1548	0.0064	0.0545
1379	8.77	8.84	4.8006	1.7403	0.0098	6.5507	-0.1608	0.2145	0.0119	0.0655
1380	8.99	8.88	4.8048	1.7364	0.0096	6.5508	-0.1589	0.2185	0.0125	0.0721
1381	9.39	8.93	4.806	1.735	0.0094	6.5504	-0.1327	0.2	0.0126	0.0799
1382	9.23	8.96	4.8053	1.7354	0.0092	6.5499	-0.1127	0.175	0.0103	0.0727
1383	8.9	9	4.8062	1.7337	0.009	6.5488	-0.0911	0.1528	0.008	0.0697
1384	8.91	9.02	4.8068	1.7324	0.0088	6.548	-0.0408	0.1019	0.0086	0.0698
1385	9.04	9.03	4.8063	1.7323	0.0085	6.5472	0.0075	0.0418	0.0067	0.0559
1386	9.21	9.05	4.8094	1.7275	0.0087	6.5455	0.0479	0.0003	0.0032	0.0515
1387	9.33	9.02	4.8091	1.7273	0.009	6.5454	0.072	-0.0282	-0.0004	0.0433
1388	9.18	9	4.8091	1.7269	0.009	6.545	0.0375	-0.0153	-0.0057	0.0164
1389	8.76	9	4.8099	1.7267	0.009	6.5455	0.0279	-0.0117	-0.0088	0.0074
1390	9.03	8.98	4.812	1.7246	0.0089	6.5455	0.0126	-0.0038	-0.009	-0.0002
1391	9.1	8.94	4.8115	1.7255	0.0087	6.5457	0.0554	-0.0502	-0.0041	0.0011
1392	9.16	8.93	4.8113	1.7257	0.0085	6.5455	0.0771	-0.0753	-0.0046	-0.0028
1393	9.06	8.92	4.8102	1.7268	0.0086	6.5457	0.0908	-0.0891	-0.0045	-0.0028
1394	8.82	8.89	4.8087	1.7287	0.0088	6.5461	0.0809	-0.0674	-0.0019	0.0117
1395	9.17	8.87	4.8079	1.7295	0.0088	6.5461	0.1293	-0.1028	0.002	0.0285
1396	8.58	8.82	4.8107	1.7273	0.0089	6.5469	0.1962	-0.1347	0.0062	0.0677
1397	8.46	8.79	4.8116	1.7266	0.0091	6.5473	0.1998	-0.1258	0.0095	0.0834

1398	8.71	8.75	4.8063	1.7314	0.0092	6.5469	0.1859	-0.139	0.0108	0.0577
1399	8.51	8.76	4.801	1.7367	0.009	6.5468	0.2322	-0.166	0.0053	0.0714
1400	8.67	8.76	4.8032	1.7343	0.0089	6.5464	0.234	-0.1632	0.0024	0.0733
1401	9	8.76	4.801	1.7365	0.0087	6.5462	0.2226	-0.1332	0.0028	0.0921
1402	8.84	8.76	4.8034	1.7339	0.0086	6.5459	0.1057	-0.0248	0.0045	0.0854
1403	8.22	8.76	4.8004	1.7364	0.0084	6.5452	0.0244	0.0516	0.0059	0.0818
1404	8.64	8.8	4.7988	1.7386	0.0087	6.5461	-0.059	0.1387	0.0065	0.0862
1405	8.4	8.8	4.7995	1.7385	0.009	6.5469	-0.1169	0.1738	0.0066	0.0635
1406	8.72	8.85	4.8002	1.7383	0.0091	6.5476	-0.1379	0.1966	0.0072	0.066
1407	8.48	8.91	4.7988	1.7395	0.009	6.5473	-0.1709	0.2346	0.0036	0.0673
1408	8.82	8.92	4.7943	1.7438	0.0088	6.5469	-0.1212	0.1945	0.0001	0.0734
1409	9.04	8.95	4.794	1.7439	0.0089	6.5468	-0.0333	0.0689	0.0043	0.0399
1410	9.16	8.98	4.7919	1.7456	0.0091	6.5466	0.105	-0.0548	0.0079	0.0581
1411	9.1	8.97	4.7881	1.7485	0.009	6.5457	0.1737	-0.1085	0.0072	0.0724
1412	9.06	8.98	4.784	1.7536	0.0087	6.5462	0.2202	-0.1484	0.0066	0.0784
1413	9.63	9.03	4.7824	1.7544	0.0086	6.5453	0.1895	-0.1095	0.0048	0.0847
1414	9.12	9.06	4.7824	1.7546	0.0087	6.5457	0.1706	-0.0916	0.0004	0.0794
1415	9.63	9.09	4.7893	1.7472	0.0087	6.5452	0.1493	-0.0677	-0.0049	0.0767
1416	9.48	9.11	4.7945	1.7411	0.0085	6.5441	0.1336	-0.0552	-0.0045	0.0738
1417	9.02	9.13	4.7912	1.7441	0.0088	6.5441	0.0534	0.0401	0	0.0935
1418	8.99	9.17	4.7871	1.7485	0.009	6.5447	-0.022	0.128	0.0009	0.1069
1419	9.33	9.18	4.7852	1.7509	0.0093	6.5453	-0.07	0.1696	0.001	0.1005
1420	8.68	9.18	4.7835	1.7534	0.0096	6.5465	-0.0133	0.1068	0.0032	0.0968
1421	9.09	9.18	4.7846	1.7531	0.0095	6.5472	-0.0498	0.1293	0.0085	0.088
1422	9.27	9.16	4.7866	1.7512	0.0093	6.5471	-0.0748	0.1489	0.0153	0.0894
1423	9.14	9.12	4.7851	1.7537	0.0094	6.5482	-0.0781	0.1544	0.0154	0.0917
1424	8.89	9.11	4.7804	1.759	0.0096	6.549	-0.1203	0.1993	0.0183	0.0973
1425	9.11	9.1	4.7814	1.7578	0.0096	6.5488	-0.1183	0.2024	0.0175	0.1016
1426	8.89	9.08	4.782	1.7571	0.0094	6.5485	-0.0604	0.1434	0.0134	0.0963
1427	9.6	9.08	4.7774	1.7609	0.0093	6.5476	0.0374	0.0527	0.0107	0.1009
1428	9.21	9.07	4.7836	1.7546	0.0089	6.5471	0.0828	0.0144	0.0082	0.1055
1429	9.09	9.06	4.7844	1.7532	0.0089	6.5465	0.1205	-0.0292	0.0086	0.0999
1430	9.15	9.09	4.7822	1.7544	0.009	6.5456	0.2241	-0.1286	0.0095	0.1049
1431	8.67	9.08	4.7805	1.7566	0.0092	6.5463	0.3234	-0.2266	0.0071	0.1038
1432	8.83	9.08	4.7789	1.7577	0.0091	6.5457	0.3359	-0.2532	0.0075	0.0901
1433	9.04	9.05	4.7748	1.762	0.0088	6.5455	0.2828	-0.2003	0.006	0.0886
1434	9.37	9.03	4.7692	1.7678	0.0088	6.5457	0.2842	-0.2012	0.0023	0.0853

1435	9.23	9.01	4.7644	1.7713	0.0088	6.5445	0.2928	-0.2156	-0.001	0.0762
1436	8.97	9.02	4.7616	1.7739	0.009	6.5445	0.272	-0.2056	-0.004	0.0624
1437	8.77	8.97	4.7608	1.7747	0.0093	6.5449	0.3054	-0.2712	-0.0015	0.0327
1438	9.08	8.95	4.762	1.7738	0.0095	6.5453	0.2862	-0.2543	0.001	0.0329
1439	9.23	8.94	4.7627	1.7731	0.0095	6.5454	0.3284	-0.2967	0.001	0.0327
1440	9.03	8.92	4.7585	1.7773	0.009	6.5448	0.3884	-0.3486	0.0008	0.0406
1441	9.2	8.92	4.7588	1.777	0.0091	6.5449	0.474	-0.4255	0.0004	0.049
1442	8.5	8.92	4.7606	1.7754	0.0092	6.5452	0.5126	-0.4588	0.0013	0.0551
1443	8.51	8.9	4.7654	1.7701	0.0092	6.5447	0.5503	-0.4945	0.0012	0.0571
1444	8.85	8.88	4.7657	1.7692	0.0093	6.5442	0.5672	-0.5115	0.0025	0.0581
1445	8.96	8.89	4.7657	1.7675	0.0092	6.5424	0.5673	-0.5105	0.0035	0.0603
1446	8.8	8.88	4.7689	1.7633	0.0092	6.5414	0.525	-0.4592	0.0039	0.0697
1447	8.69	8.89	4.771	1.7628	0.0093	6.5431	0.5317	-0.4747	0.0034	0.0604
1448	8.94	8.91	4.7693	1.7649	0.0096	6.5437	0.5496	-0.4824	0.0052	0.0724
1449	8.77	8.94	4.771	1.7631	0.0096	6.5438	0.5179	-0.4431	0.0039	0.0787
1450	8.63	8.96	4.7715	1.7612	0.0095	6.5422	0.4623	-0.4063	-0.001	0.0549
1451	8.87	8.94	4.779	1.7546	0.0095	6.543	0.4697	-0.4164	-0.0025	0.0507
1452	8.67	8.96	4.7863	1.7479	0.0094	6.5436	0.4325	-0.3776	-0.003	0.0519
1453	9.09	9.03	4.7936	1.7403	0.0093	6.5432	0.4652	-0.4163	-0.0015	0.0475
1454	9.26	9.06	4.7973	1.7378	0.0092	6.5442	0.4591	-0.416	-0.0017	0.0413
1455	8.86	9.07	4.8024	1.7323	0.0089	6.5436	0.4479	-0.3992	0.0039	0.0525
1456	9.02	9.08	4.8063	1.7274	0.009	6.5427	0.468	-0.4115	0.005	0.0615
1457	9.49	9.1	4.8063	1.7259	0.0089	6.5412	0.4961	-0.4242	0.0042	0.0761
1458	9.71	9.07	4.8033	1.7283	0.0082	6.5398	0.4759	-0.3999	-0.0018	0.0742
1459	9.37	9.09	4.7963	1.7348	0.0077	6.5389	0.3919	-0.3233	-0.0079	0.0607
1460	8.84	9.13	4.7884	1.7415	0.0076	6.5375	0.3764	-0.3069	-0.003	0.0664
1461	8.93	9.12	4.7852	1.7441	0.0074	6.5367	0.3714	-0.3007	0.0002	0.0709
1462	9.78	9.1	4.7799	1.7483	0.0075	6.5357	0.3549	-0.2935	-0.0013	0.0601
1463	9.36	9.04	4.7785	1.7491	0.0082	6.5358	0.2953	-0.2258	-0.0038	0.0658
1464	9.15	8.98	4.777	1.7506	0.0088	6.5364	0.2594	-0.1945	-0.0042	0.0607
1465	9.14	8.95	4.777	1.7507	0.0087	6.5364	0.2115	-0.1513	-0.005	0.0552
1466	8.99	8.92	4.7817	1.7459	0.0082	6.5358	0.2301	-0.1735	-0.0052	0.0514
1467	8.48	8.84	4.7882	1.739	0.0083	6.5356	0.2479	-0.2029	-0.0067	0.0384
1468	9.13	8.76	4.7926	1.734	0.0084	6.535	0.1795	-0.1304	-0.0021	0.047
1469	9.38	8.69	4.7865	1.7401	0.0084	6.535	0.065	-0.0123	0.0021	0.0548
1470	8.55	8.69	4.7858	1.742	0.008	6.5358	-0.0146	0.0813	0.0063	0.073
1471	8.38	8.67	4.7863	1.7423	0.0078	6.5363	-0.0379	0.135	0.01	0.1071

1472	8.02	8.61	4.7877	1.7417	0.0079	6.5372	-0.0941	0.1681	0.0083	0.0823
1473	8.07	8.57	4.7903	1.7391	0.0079	6.5374	-0.0105	0.1431	0.0056	0.1382
1474	8.23	8.54	4.7921	1.7375	0.0083	6.5378	0.0216	0.0861	0.0042	0.1118
1475	8.4	8.51	4.789	1.7416	0.0087	6.5392	0.0548	0.0549	0.001	0.1108
1476	8.04	8.49	4.783	1.7472	0.0091	6.5393	0.0932	0.0026	0.0014	0.0972
1477	8.11	8.5	4.7806	1.7501	0.0091	6.5398	0.087	0.0003	-0.0008	0.0865
1478	8.16	8.48	4.7823	1.7488	0.0089	6.54	0.0788	-0.0055	-0.0004	0.073
1479	8.82	8.48	4.7782	1.7532	0.0088	6.5402	0.1524	-0.0907	-0.005	0.0567
1480	8.58	8.54	4.7725	1.7591	0.0089	6.5404	0.1864	-0.1331	-0.0032	0.0501
1481	8.67	8.59	4.7724	1.7603	0.0087	6.5413	0.2103	-0.1606	-0.0041	0.0456
1482	8.57	8.66	4.7771	1.7554	0.0086	6.5411	0.2257	-0.1649	-0.0023	0.0586
1483	8.53	8.72	4.7778	1.7538	0.0087	6.5403	0.2172	-0.1649	-0.0007	0.0516
1484	8.54	8.77	4.7775	1.7539	0.0089	6.5404	0.1607	-0.104	-0.005	0.0516
1485	8.59	8.79	4.7791	1.7529	0.0089	6.5409	0.114	-0.0532	-0.0055	0.0553
1486	8.75	8.86	4.7788	1.7546	0.0088	6.5423	0.0522	-0.0072	-0.0052	0.0399
1487	8.73	8.9	4.7805	1.7528	0.0089	6.5422	0.0034	0.034	-0.0046	0.0329
1488	9.31	8.93	4.7763	1.7565	0.0089	6.5417	0.0552	-0.0083	0.0005	0.0473
1489	9.78	8.92	4.771	1.7615	0.0089	6.5415	0.1007	-0.0495	0.0016	0.0529
1490	9.29	8.91	4.7646	1.7671	0.0088	6.5406	0.0974	-0.0469	0.0007	0.0512
1491	9.42	8.9	4.7602	1.7713	0.0086	6.5402	-0.0141	0.0609	-0.0049	0.0419
1492	9.19	8.91	4.7562	1.7752	0.0084	6.5398	-0.0599	0.1133	-0.0035	0.05
1493	9.16	8.93	4.7534	1.778	0.0084	6.5398	-0.0731	0.1218	-0.001	0.0477
1494	8.75	8.95	4.7519	1.7797	0.0084	6.54	-0.101	0.1461	0.0002	0.0453
1495	9.47	8.96	4.7553	1.7754	0.0084	6.5392	-0.1649	0.2282	0.0033	0.0666
1496	8.7	8.96	4.7575	1.7748	0.0086	6.5409	-0.1788	0.242	0.0068	0.07
1497	8.8	8.98	4.7566	1.7748	0.0086	6.54	-0.054	0.1138	0.0088	0.0687
1498	8.66	8.92	4.7545	1.7757	0.0088	6.539	0.0085	0.0496	0.01	0.068
1499	8.43	8.87	4.7548	1.7773	0.0091	6.5413	0.0951	-0.013	0.0062	0.0883
1500	8.5	8.83	4.7562	1.776	0.0092	6.5413	0.1249	-0.0444	0.0012	0.0817
1501	8.66	8.79	4.7578	1.7743	0.009	6.5411	0.1093	-0.054	-0.0105	0.0448
1502	8.92	8.75	4.7568	1.7756	0.0087	6.5411	0.0581	-0.0091	-0.0107	0.0382
1503	8.98	8.73	4.7545	1.778	0.0085	6.5411	0.0467	0.0004	-0.0084	0.0388
1504	8.73	8.73	4.754	1.7785	0.0084	6.5408	0.0847	-0.0444	-0.0067	0.0337
1505	8.65	8.68	4.7527	1.7796	0.0085	6.5408	0.1953	-0.1354	-0.0047	0.0552
1506	9.11	8.68	4.7506	1.7808	0.0087	6.54	0.2363	-0.183	-0.0055	0.0478
1507	8.36	8.69	4.7512	1.7795	0.0092	6.5399	0.2893	-0.2473	0.0009	0.0429
1508	8.68	8.7	4.7551	1.7762	0.0096	6.5408	0.3615	-0.3348	0.0046	0.0313

1509	8.62	8.73	4.7564	1.7746	0.0092	6.5402	0.3751	-0.3477	-0.0046	0.0228
1510	8.73	8.74	4.7548	1.7757	0.0091	6.5396	0.3548	-0.3273	-0.0146	0.0129
1511	8.39	8.77	4.7527	1.7779	0.0092	6.5397	0.2965	-0.2923	-0.0187	-0.0144
1512	8.83	8.76	4.7544	1.7762	0.009	6.5396	0.283	-0.2814	-0.0215	-0.0199
1513	8.63	8.75	4.7564	1.7738	0.009	6.5393	0.2033	-0.2119	-0.0176	-0.0262
1514	8.59	8.77	4.7613	1.7698	0.0092	6.5402	0.1836	-0.1796	-0.0113	-0.0073
1515	8.72	8.8	4.7663	1.7646	0.0092	6.5401	0.1637	-0.1702	-0.0057	-0.0122
1516	9.01	8.79	4.7697	1.7614	0.0092	6.5403	0.1738	-0.1782	-0.0091	-0.0134
1517	8.82	8.82	4.7732	1.7572	0.009	6.5394	0.2555	-0.2596	-0.0107	-0.0149
1518	8.87	8.83	4.7806	1.7498	0.0088	6.5392	0.3265	-0.3378	-0.0084	-0.0196
1519	8.8	8.85	4.7866	1.7428	0.0086	6.538	0.4162	-0.4326	-0.0093	-0.0257
1520	9.22	8.86	4.7873	1.7399	0.0086	6.5358	0.3743	-0.3872	-0.0124	-0.0253
1521	8.62	8.9	4.794	1.7363	0.0087	6.5389	0.3362	-0.3319	-0.0151	-0.0108
1522	8.8	8.87	4.7876	1.7369	0.0087	6.5332	0.335	-0.3159	-0.0164	0.0027
1523	9.12	8.87	4.7829	1.7451	0.009	6.537	0.3202	-0.2803	-0.0125	0.0274
1524	9.3	8.88	4.7749	1.7536	0.0095	6.538	0.2298	-0.2009	-0.0123	0.0166
1525	8.91	8.85	4.7721	1.7575	0.0095	6.5391	0.2119	-0.1815	-0.0086	0.0217
1526	8.85	8.82	4.7733	1.757	0.0095	6.5398	0.1664	-0.1272	-0.0013	0.0379
1527	8.94	8.82	4.7695	1.7615	0.0093	6.5403	0.047	-0.014	0.002	0.0349
1528	8.94	8.81	4.7683	1.7637	0.0094	6.5414	-0.0115	0.0722	0.0045	0.0651
1529	9.05	8.8	4.7657	1.7665	0.0092	6.5415	-0.0194	0.0739	0.0041	0.0586
1530	9.07	8.77	4.7612	1.7704	0.0094	6.541	-0.0391	0.0998	0	0.0607
1531	8.35	8.76	4.7579	1.7731	0.0094	6.5405	-0.0844	0.1464	-0.0049	0.0571
1532	8.52	8.74	4.7571	1.7742	0.0092	6.5405	-0.0705	0.143	-0.0114	0.0611
1533	8.87	8.7	4.7587	1.7724	0.0093	6.5404	-0.0744	0.1391	-0.0107	0.0541
1534	8	8.64	4.7578	1.7731	0.0093	6.5402	-0.0091	0.067	-0.0067	0.0512
1535	8.48	8.63	4.7592	1.7721	0.0093	6.5405	0.0865	-0.016	-0.0066	0.064
1536	8.94	8.64	4.7612	1.7705	0.0095	6.5413	0.1467	-0.0786	-0.0076	0.0605
1537	8.58	8.65	4.7553	1.7755	0.0093	6.5401	0.1	-0.0294	-0.0094	0.0613
1538	8.55	8.65	4.7519	1.7787	0.0093	6.54	0.0279	0.0397	-0.0058	0.0618
1539	8.82	8.66	4.753	1.7778	0.0094	6.5402	0.0275	0.0372	-0.0033	0.0615
1540	8.28	8.63	4.7599	1.7712	0.0095	6.5406	-0.0785	0.1435	-0.0021	0.063
1541	8.44	8.67	4.7648	1.7657	0.0095	6.5399	-0.0147	0.0611	0.0003	0.0468
1542	8.39	8.7	4.7679	1.7633	0.0093	6.5404	0.0343	0.0151	-0.0035	0.0458
1543	8.24	8.72	4.7755	1.7555	0.0092	6.5401	0.0574	-0.0091	-0.0082	0.0402
1544	8.66	8.77	4.7822	1.7463	0.0089	6.5375	0.0267	0.0223	-0.0086	0.0404
1545	9	8.83	4.7836	1.7433	0.0085	6.5354	-0.0082	0.0626	-0.005	0.0493

1546	9.27	8.87	4.7743	1.7519	0.0083	6.5346	0.0593	-0.0124	-0.0053	0.0416
1547	8.81	8.9	4.7701	1.7578	0.0083	6.5362	0.1108	-0.0434	-0.0025	0.0649
1548	9.23	8.91	4.7598	1.7662	0.009	6.5349	0.1122	-0.0473	-0.0019	0.063
1549	8.64	8.89	4.7585	1.7676	0.0095	6.5356	0.1031	-0.0385	-0.0022	0.0624
1550	9.06	8.89	4.7606	1.7666	0.0105	6.5377	0.1138	-0.0326	0.0011	0.0822
1551	9.01	8.9	4.7732	1.7555	0.0105	6.5392	0.1288	-0.0562	0	0.0726
1552	9.29	8.93	4.7816	1.7479	0.0103	6.5397	0.1378	-0.0685	-0.0038	0.0655
1553	8.89	8.97	4.7851	1.7447	0.01	6.5398	0.0108	0.0571	-0.0096	0.0583
1554	9.68	9	4.7777	1.7513	0.0097	6.5387	-0.0879	0.1536	-0.0137	0.052
1555	9.71	8.97	4.7788	1.7505	0.0095	6.5388	-0.1736	0.2374	-0.0185	0.0452
1556	9.23	8.97	4.7774	1.7521	0.0089	6.5384	-0.1903	0.2469	-0.0182	0.0383
1557	8.72	9.01	4.7702	1.7594	0.0085	6.538	-0.1912	0.2408	-0.0147	0.0348
1558	8.39	8.99	4.7658	1.7631	0.0087	6.5375	-0.1636	0.2111	-0.0072	0.0403
1559	8.26	9.01	4.7608	1.7676	0.0092	6.5376	-0.0781	0.1326	-0.0008	0.0537
1560	8.67	9.01	4.7588	1.7708	0.0095	6.539	-0.0038	0.0587	-0.0032	0.0517
1561	9	9.01	4.7569	1.7722	0.0096	6.5387	0.0236	0.02	-0.0028	0.0408
1562	8.93	9	4.7596	1.7695	0.0093	6.5384	-0.0013	0.0419	-0.0023	0.0384
1563	9.11	9.01	4.7601	1.7671	0.0093	6.5365	0.0161	0.0242	-0.003	0.0373
1564	8.46	8.95	4.7606	1.7677	0.0093	6.5376	0.0371	0.0129	-0.005	0.045
1565	9.38	8.9	4.7596	1.7685	0.0096	6.5377	0.0618	-0.0056	-0.0089	0.0473
1566	9.54	8.87	4.7561	1.7719	0.0093	6.5373	0.0529	0.0042	-0.0136	0.0436
1567	8.92	8.89	4.7556	1.7728	0.0091	6.5375	0.0461	0.0083	-0.013	0.0414
1568	8.84	8.94	4.751	1.7773	0.0093	6.5376	0.0502	-0.0028	-0.0141	0.0334
1569	9.1	8.99	4.7491	1.7788	0.0096	6.5375	0.0879	-0.0407	-0.0127	0.0345
1570	9.08	9.01	4.7521	1.7752	0.0095	6.5369	0.1913	-0.1671	-0.0136	0.0107
1571	9.13	9.01	4.7528	1.7739	0.0094	6.5361	0.2283	-0.2157	-0.0128	-0.0002
1572	8.94	9	4.7557	1.7697	0.0091	6.5345	0.2606	-0.2224	-0.0102	0.0281
1573	8.71	8.99	4.7673	1.7592	0.0092	6.5357	0.2201	-0.2311	-0.0085	-0.0195
1574	8.68	9.04	4.7709	1.7557	0.0091	6.5356	0.1839	-0.1515	-0.0067	0.0256
1575	8.68	9.01	4.7723	1.7543	0.0088	6.5355	0.0602	-0.0038	0.0005	0.0569
1576	9.06	8.99	4.7783	1.7486	0.0089	6.5358	-0.0162	0.0888	0.0036	0.0762
1577	9.27	9.01	4.7817	1.7428	0.0087	6.5332	-0.0546	0.1268	0.0049	0.0771
1578	9.22	9.03	4.7842	1.7414	0.0085	6.5341	-0.0758	0.1596	0.0016	0.0854
1579	9.17	9.03	4.7821	1.7432	0.0088	6.5341	-0.0624	0.1636	-0.0018	0.0993
1580	8.92	9.04	4.7809	1.7444	0.0094	6.5347	-0.157	0.2543	-0.0048	0.0925
1581	8.75	9.08	4.7794	1.746	0.0098	6.5352	-0.2364	0.2991	-0.0008	0.062
1582	8.97	9.08	4.7845	1.7415	0.0097	6.5357	-0.2988	0.3769	0.0012	0.0792

1583	9.36	9.06	4.7787	1.7471	0.0094	6.5351	-0.3135	0.3955	-0.0033	0.0787
1584	8.92	9.05	4.7688	1.7555	0.0096	6.534	-0.3858	0.462	-0.0033	0.0729
1585	9.16	9.04	4.7644	1.7608	0.0097	6.5349	-0.4191	0.4871	-0.0034	0.0645
1586	9.16	9.01	4.7688	1.7575	0.0098	6.5361	-0.4295	0.4996	0.0013	0.0715
1587	9.24	9	4.7777	1.7488	0.0095	6.536	-0.373	0.4445	0.0046	0.076
1588	9.18	8.98	4.7735	1.7528	0.0092	6.5356	-0.3927	0.4571	0.0017	0.066
1589	9.24	8.95	4.7789	1.7472	0.0091	6.5352	-0.4265	0.4956	0.0001	0.0692
1590	9.89	8.94	4.7661	1.761	0.0088	6.5359	-0.3982	0.4763	-0.0007	0.0775
1591	8.96	8.94	4.7568	1.7698	0.0089	6.5356	-0.2747	0.3569	0.0026	0.0848
1592	8.35	8.93	4.7505	1.7761	0.0092	6.5358	-0.1291	0.2022	0.0046	0.0777
1593	8.48	8.91	4.7508	1.7758	0.0093	6.5358	-0.0024	0.0834	0.0023	0.0833
1594	8.35	8.94	4.7528	1.7735	0.0089	6.5351	0.1296	-0.0422	0.001	0.0884
1595	8.63	8.97	4.7494	1.7766	0.0089	6.535	0.2134	-0.1746	0.0024	0.0413
1596	8.97	8.98	4.7465	1.7791	0.0089	6.5344	0.2291	-0.1903	0.0001	0.0389
1597	8.93	8.97	4.7454	1.7795	0.0088	6.5337	0.1277	-0.0947	-0.0056	0.0274
1598	8.65	8.94	4.7442	1.7795	0.009	6.5328	0.1059	-0.06	-0.009	0.0369
1599	8.6	8.9	4.7434	1.7806	0.009	6.533	-0.0286	0.0482	-0.0026	0.0169
1600	8.8	8.86	4.7433	1.7816	0.0092	6.534	-0.0922	0.1123	0.0021	0.0223
1601	8.78	8.87	4.744	1.7811	0.0094	6.5345	-0.1575	0.1838	0.0108	0.0372
1602	9	8.92	4.7558	1.7698	0.0097	6.5353	-0.1671	0.1832	0.0091	0.0253
1603	9.42	8.98	4.7633	1.7627	0.0099	6.5359	-0.1668	0.2087	0.0095	0.0513
1604	9.85	9.04	4.7714	1.7547	0.0102	6.5363	-0.1685	0.2245	0.0058	0.0618
1605	9.27	9.09	4.7717	1.7549	0.0103	6.5369	-0.2101	0.2583	-0.0011	0.0471
1606	9.01	9.11	4.7697	1.7567	0.0102	6.5365	-0.1672	0.2149	-0.0048	0.0429
1607	8.63	9.09	4.7675	1.7584	0.0099	6.5358	-0.0942	0.1367	-0.0077	0.0347
1608	8.61	9.11	4.7629	1.7629	0.0097	6.5355	-0.0511	0.0944	-0.0105	0.0328
1609	8.96	9.13	4.7567	1.7687	0.0095	6.535	0.045	-0.0062	-0.0099	0.0289
1610	9.24	9.12	4.7524	1.7737	0.0094	6.5355	0.042	-0.0066	-0.0098	0.0256
1611	9.34	9.12	4.7528	1.7737	0.0094	6.5359	-0.003	0.0497	-0.0073	0.0393
1612	9.53	9.1	4.7528	1.7738	0.0093	6.5359	-0.0803	0.1193	-0.0031	0.0359
1613	9.44	9.09	4.7527	1.7725	0.0095	6.5348	-0.092	0.1352	-0.006	0.0372
1614	9.7	9.04	4.7551	1.7703	0.0101	6.5355	-0.0677	0.0866	-0.0064	0.0124
1615	9.32	9.01	4.761	1.7642	0.0106	6.5358	-0.0215	0.0467	-0.0079	0.0173
1616	8.61	8.98	4.7651	1.7606	0.0105	6.5361	-0.0311	0.053	-0.0053	0.0165
1617	8.92	8.99	4.7682	1.7575	0.0104	6.536	-0.0381	0.0579	-0.005	0.0149
1618	9.03	8.98	4.7718	1.7538	0.0101	6.5357	-0.0174	0.0477	-0.0061	0.0242
1619	8.61	8.99	4.7675	1.7595	0.01	6.537	-0.0603	0.1054	-0.0059	0.0393

1620	8.78	8.99	4.7645	1.7615	0.0099	6.5358	-0.1548	0.1924	-0.0027	0.0348
1621	8.68	8.96	4.7679	1.7585	0.0097	6.5361	-0.1816	0.2103	-0.0006	0.0282
1622	9.08	8.91	4.7656	1.76	0.0096	6.5352	-0.0806	0.1045	-0.0026	0.0213
1623	9.03	8.89	4.7645	1.7602	0.0097	6.5344	-0.0529	0.0657	-0.0033	0.0095
1624	8.61	8.86	4.7689	1.7539	0.0094	6.5323	0.1093	-0.0824	-0.0052	0.0216
1625	8.47	8.86	4.7737	1.7487	0.0091	6.5315	0.1316	-0.109	-0.0089	0.0138
1626	8.79	8.9	4.7787	1.7444	0.009	6.5321	0.1723	-0.1408	-0.0128	0.0187
1627	8.51	8.9	4.777	1.7455	0.0092	6.5317	0.2245	-0.1962	-0.0108	0.0176
1628	9.19	8.92	4.7746	1.7474	0.0096	6.5315	0.2994	-0.2946	-0.0112	-0.0064
1629	9.23	8.95	4.7814	1.7411	0.0097	6.5322	0.3111	-0.2945	-0.0129	0.0037
1630	8.7	8.97	4.7849	1.7405	0.0094	6.5348	0.3109	-0.306	-0.0105	-0.0056
1631	8.65	9.01	4.7878	1.7354	0.0093	6.5325	0.2662	-0.2701	-0.0038	-0.0076
1632	9.02	9.01	4.7885	1.7347	0.0095	6.5326	0.2689	-0.2654	0.0024	0.0059
1633	9.18	9.03	4.7973	1.7262	0.0096	6.5331	0.3863	-0.373	0.0012	0.0146
1634	9.15	9.07	4.7997	1.7244	0.0096	6.5337	0.3424	-0.3207	-0.0026	0.0191
1635	9.43	9.11	4.8021	1.7221	0.0092	6.5334	0.1466	-0.1383	-0.004	0.0043
1636	9.02	9.12	4.7985	1.7261	0.009	6.5337	-0.0007	0.0156	-0.004	0.011
1637	9.33	9.17	4.7946	1.7298	0.0091	6.5335	-0.0779	0.1247	0.001	0.0477
1638	9.13	9.19	4.7946	1.7292	0.0093	6.5331	-0.1844	0.219	-0.0031	0.0315
1639	9.17	9.19	4.7928	1.7302	0.0095	6.5325	-0.3053	0.3497	-0.0067	0.0377
1640	9.41	9.18	4.7874	1.7355	0.0092	6.5321	-0.3405	0.3917	-0.0059	0.0453
1641	9.15	9.19	4.7777	1.7454	0.009	6.5321	-0.5907	0.6316	-0.0091	0.0318
1642	9.34	9.2	4.7681	1.7549	0.0091	6.5321	-0.713	0.7583	-0.0084	0.0369
1643	9.45	9.19	4.7625	1.7597	0.0091	6.5313	-0.7804	0.8303	-0.0031	0.0468
1644	9.16	9.15	4.7609	1.7638	0.0087	6.5334	-0.7561	0.7939	0.001	0.0388
1645	9.02	9.11	4.7607	1.7623	0.0085	6.5316	-0.6605	0.6985	-0.002	0.0359
1646	9.47	9.07	4.7616	1.7614	0.0089	6.5318	-0.5793	0.6124	-0.0026	0.0306
1647	9.56	8.99	4.7596	1.7638	0.0092	6.5326	-0.4655	0.4966	-0.0068	0.0243
1648	9.27	8.95	4.7626	1.7613	0.0092	6.5332	-0.4198	0.4489	-0.0082	0.0209
1649	8.57	8.92	4.7677	1.7563	0.0093	6.5333	-0.4502	0.4642	-0.0065	0.0076
1650	8.87	8.89	4.7763	1.7482	0.0094	6.534	-0.4882	0.4974	-0.0059	0.0033
1651	9.09	8.89	4.7899	1.7372	0.0096	6.5367	-0.419	0.4503	-0.0036	0.0277
1652	8.95	8.89	4.7983	1.727	0.0093	6.5346	-0.3785	0.4247	-0.0003	0.0459
1653	8.54	8.86	4.802	1.7223	0.0094	6.5336	-0.1908	0.2444	0.0028	0.0563
1654	8.55	8.85	4.7987	1.7255	0.0098	6.534	-0.0799	0.1254	0.003	0.0485
1655	8.37	8.85	4.7955	1.7291	0.0099	6.5345	0.0053	0.0351	0.0065	0.0469
1656	7.82	8.83	4.7868	1.7385	0.0097	6.535	0.0065	0.0314	0.01	0.0479

1657	8.35	8.81	4.7753	1.7499	0.0095	6.5347	-0.019	0.0526	0.009	0.0426
1658	8.56	8.79	4.7613	1.7637	0.0097	6.5347	-0.0183	0.0561	0.0062	0.044
1659	8.86	8.78	4.7566	1.7682	0.0102	6.535	0	0.0462	0.0056	0.0518
1660	9.12	8.77	4.7591	1.7658	0.0102	6.5351	-0.0907	0.1461	0.0046	0.06
1661	9.27	8.76	4.7649	1.7603	0.0099	6.5351	-0.1621	0.2257	0.004	0.0677
1662	8.86	8.74	4.7688	1.7559	0.0099	6.5346	-0.1822	0.2531	0.0046	0.0756
1663	9.05	8.76	4.7669	1.7584	0.0099	6.5353	-0.2344	0.3072	0.0036	0.0765
1664	9.04	8.78	4.7628	1.763	0.0101	6.5359	-0.2554	0.3156	0.0052	0.0654
1665	8.98	8.85	4.7628	1.7632	0.0101	6.5361	-0.138	0.2005	0.0126	0.0751
1666	9.17	8.92	4.7599	1.7661	0.0098	6.5358	-0.0087	0.0719	0.0148	0.078
1667	8.93	8.98	4.7573	1.7681	0.0097	6.5351	0.1131	-0.0453	0.011	0.0788
1668	8.48	9	4.757	1.7667	0.0099	6.5337	0.1723	-0.1057	0.0071	0.0737
1669	8.64	8.98	4.7645	1.7596	0.0099	6.534	0.1332	-0.0724	0.0063	0.0671
1670	8.85	8.97	4.7703	1.7542	0.0096	6.5341	-0.0031	0.0712	0.0078	0.0759
1671	8.62	8.97	4.7608	1.7635	0.0097	6.5339	-0.0702	0.1312	0.0065	0.0675
1672	8.95	8.96	4.761	1.7631	0.0094	6.5335	-0.0088	0.0678	0.0032	0.0622
1673	8.92	8.94	4.7564	1.7675	0.0097	6.5335	-0.1093	0.152	-0.0008	0.0419
1674	9.68	8.92	4.7577	1.7666	0.01	6.5342	-0.1607	0.2008	0.0006	0.0408
1675	9.08	8.9	4.7551	1.7684	0.0101	6.5336	-0.1001	0.1279	-0.0018	0.0259
1676	9.55	8.87	4.7558	1.7682	0.01	6.534	-0.0748	0.0939	-0.0067	0.0124
1677	8.86	8.83	4.7518	1.7723	0.0098	6.5339	-0.0121	0.0298	-0.008	0.0097
1678	8.54	8.82	4.7531	1.7708	0.0098	6.5338	-0.0159	0.0267	-0.0038	0.0071
1679	8.88	8.81	4.7511	1.7738	0.0099	6.5347	-0.0909	0.094	-0.0017	0.0014
1680	9.27	8.79	4.7543	1.7714	0.0098	6.5355	-0.0722	0.0763	0.0008	0.005
1681	8.69	8.78	4.7525	1.7725	0.0096	6.5347	-0.0089	0.049	0.0004	0.0406
1682	8.76	8.77	4.7459	1.7788	0.0096	6.5342	-0.0866	0.1172	0.0011	0.0317
1683	8.61	8.78	4.7444	1.7791	0.0097	6.5332	-0.0743	0.1015	0.0027	0.0299
1684	8.53	8.77	4.7542	1.7694	0.01	6.5335	0.0147	0.0175	0.0017	0.0338
1685	8.58	8.8	4.7645	1.7592	0.0101	6.5338	0.0421	-0.0094	-0.0004	0.0323
1686	8.34	8.8	4.7766	1.7451	0.0097	6.5314	0.0289	-0.002	-0.0067	0.0202
1687	8.16	8.83	4.7961	1.7269	0.0098	6.5328	-0.0664	0.1028	-0.0076	0.0288
1688	8.57	8.89	4.8041	1.7179	0.0099	6.5318	-0.1358	0.1647	-0.0081	0.0208
1689	8.34	8.92	4.8129	1.708	0.0097	6.5306	-0.1358	0.1567	-0.0057	0.0151
1690	8.55	8.91	4.8252	1.6979	0.0097	6.5328	-0.0766	0.0863	-0.0036	0.0061
1691	8.66	8.94	4.8281	1.694	0.0098	6.5319	-0.0795	0.0836	-0.0079	-0.0039
1692	9.24	8.94	4.8285	1.693	0.0096	6.5311	-0.173	0.1846	-0.0095	0.0021
1693	9.4	8.95	4.8264	1.6964	0.0092	6.5319	-0.2646	0.2773	-0.0092	0.0035

1694	9.64	8.96	4.8188	1.7036	0.0091	6.5315	-0.3052	0.3125	-0.0117	-0.0044
1695	9.59	8.99	4.8074	1.7154	0.0092	6.5319	-0.2991	0.3449	-0.0189	0.0268
1696	9.49	9.02	4.793	1.7294	0.0095	6.532	-0.2622	0.276	-0.0208	-0.0071
1697	9.56	9.03	4.7874	1.7347	0.0096	6.5317	-0.236	0.2428	-0.0156	-0.0088
1698	9.56	9.05	4.7892	1.7331	0.0097	6.532	-0.2658	0.2753	-0.0068	0.0026
1699	8.94	9.08	4.7922	1.7309	0.0096	6.5327	-0.2255	0.237	-0.0061	0.0054
1700	9.43	9.11	4.7852	1.7365	0.0095	6.5313	-0.2147	0.2263	-0.0057	0.0059
1701	8.72	9.15	4.7818	1.7387	0.0094	6.5299	-0.176	0.1964	-0.0038	0.0166
1702	8.72	9.17	4.7749	1.7454	0.0094	6.5297	-0.0872	0.1332	-0.0007	0.0453
1703	8.73	9.18	4.7713	1.7501	0.0096	6.531	-0.0282	0.0671	-0.0008	0.038
1704	9.16	9.16	4.7708	1.7512	0.0096	6.5316	0.08	-0.046	0.0031	0.0371
1705	8.83	9.14	4.771	1.7518	0.0093	6.5321	0.1079	-0.074	0.0064	0.0403
1706	8.52	9.11	4.7716	1.7514	0.0093	6.5323	0.0951	-0.0606	0.0059	0.0405
1707	8.8	9.08	4.7694	1.7528	0.0093	6.5314	-0.0114	0.0467	0.0021	0.0374
1708	9.01	9.02	4.7629	1.7583	0.0091	6.5303	-0.1348	0.166	-0.0006	0.0305
1709	9.1	9	4.7658	1.7541	0.009	6.529	-0.2139	0.2376	-0.0002	0.0234
1710	9.39	8.97	4.7686	1.7511	0.009	6.5287	-0.2058	0.2318	0.0056	0.0316
1711	9.63	8.97	4.771	1.7484	0.0089	6.5283	-0.1794	0.1968	0.0048	0.0221
1712	9.58	9	4.7763	1.743	0.009	6.5283	-0.0861	0.11	-0.0014	0.0224
1713	9.16	9	4.7783	1.741	0.009	6.5282	-0.0598	0.0735	-0.0044	0.0093
1714	9.27	9	4.7689	1.7503	0.0088	6.528	-0.0409	0.0598	-0.0047	0.0142
1715	8.95	9	4.7619	1.757	0.0091	6.528	-0.1153	0.1444	-0.0004	0.0287
1716	8.93	9	4.7538	1.7651	0.0094	6.5283	-0.1734	0.1907	0.0003	0.0176
1717	8.41	8.96	4.751	1.768	0.0097	6.5287	-0.229	0.2425	-0.0019	0.0117
1718	8.64	8.94	4.7585	1.7611	0.0095	6.529	-0.2778	0.2969	-0.0019	0.0172
1719	8.88	8.92	4.7678	1.7524	0.0092	6.5294	-0.2433	0.2488	0.0008	0.0062
1720	8.76	8.9	4.7715	1.7484	0.0092	6.5291	-0.1128	0.1413	0	0.0285
1721	9.16	8.9	4.7688	1.7517	0.0094	6.5299	-0.0666	0.0927	-0.0016	0.0245
1722	8.88	8.86	4.7765	1.7448	0.0096	6.531	-0.173	0.1966	0.0004	0.024
1723	9.03	8.86	4.7806	1.7402	0.0096	6.5304	-0.2025	0.2229	-0.0007	0.0198
1724	8.85	8.83	4.7789	1.7411	0.0096	6.5297	-0.3036	0.3285	-0.0011	0.0238
1725	8.49	8.83	4.7812	1.7393	0.0098	6.5302	-0.2329	0.2668	-0.0002	0.0337
1726	8.19	8.87	4.7799	1.7414	0.0098	6.5311	-0.2645	0.289	-0.004	0.0206
1727	8.58	8.9	4.7786	1.7428	0.0096	6.531	-0.3175	0.3506	-0.0037	0.0294
1728	8.7	8.93	4.7837	1.738	0.0098	6.5314	-0.3865	0.4276	-0.0022	0.0389
1729	9	8.94	4.7886	1.7335	0.0096	6.5317	-0.4058	0.4463	0.0009	0.0414
1730	9.59	8.96	4.7857	1.7356	0.0094	6.5308	-0.4246	0.4853	0.0027	0.0634

1731	8.92	8.97	4.7965	1.7237	0.0092	6.5294	-0.4626	0.542	0.0016	0.081
1732	9.07	8.96	4.7959	1.7245	0.0092	6.5297	-0.5823	0.6423	-0.0016	0.0583
1733	8.71	8.95	4.7959	1.7244	0.0094	6.5297	-0.6809	0.7316	-0.0028	0.0479
1734	9	8.92	4.7955	1.7253	0.0097	6.5305	-0.7232	0.7653	-0.0001	0.0421
1735	9.62	8.92	4.7993	1.7223	0.0098	6.5314	-0.6456	0.6897	0.0053	0.0494
1736	9.13	8.98	4.8052	1.7158	0.0098	6.5308	-0.5491	0.5977	0.0119	0.0605
1737	9.08	9.03	4.8081	1.7134	0.0099	6.5314	-0.3809	0.4156	0.0096	0.0443
1738	9.03	9.07	4.8081	1.7135	0.0099	6.5315	-0.1871	0.2387	0.0118	0.0634
1739	9.27	9.1	4.8005	1.7215	0.0099	6.5319	0.0051	0.0266	0.0119	0.0437
1740	9.22	9.08	4.7953	1.7271	0.01	6.5325	0.2857	-0.2649	0.0071	0.0279
1741	8.71	9.09	4.795	1.727	0.01	6.5319	0.4752	-0.4636	0.008	0.0197
1742	8.79	9.09	4.7946	1.7272	0.01	6.5317	0.6201	-0.5737	0.007	0.0534
1743	8.38	9.1	4.793	1.7284	0.0103	6.5318	0.7227	-0.7027	0.0007	0.0207
1744	8.49	9.1	4.7908	1.7293	0.0106	6.5307	0.8068	-0.761	-0.005	0.0408
1745	9.33	9.06	4.7869	1.7347	0.0106	6.5323	0.7426	-0.7097	-0.0046	0.0283
1746	9.48	9.01	4.7852	1.7371	0.0104	6.5327	0.6217	-0.5842	-0.0026	0.035
1747	9.41	9	4.7861	1.7363	0.0099	6.5323	0.4736	-0.445	0.0018	0.0305
1748	9.69	9.01	4.7852	1.7376	0.0098	6.5326	0.4239	-0.4024	0.0052	0.0266
1749	9.19	8.99	4.7892	1.7337	0.0099	6.5328	0.4517	-0.4227	0.0087	0.0377
1750	9.1	8.96	4.7939	1.7286	0.0098	6.5323	0.4572	-0.4085	0.0114	0.0601
1751	9.07	8.97	4.7986	1.7238	0.0097	6.5322	0.4022	-0.3606	0.0095	0.0511
1752	8.86	8.95	4.8011	1.7203	0.0094	6.5308	0.3721	-0.3427	0.0085	0.0379
1753	9	8.95	4.794	1.7269	0.0091	6.5299	0.3046	-0.2775	0.0086	0.0357
1754	8.91	8.95	4.7879	1.7329	0.0091	6.53	0.2706	-0.2315	0.0107	0.0498
1755	8.24	8.89	4.786	1.7351	0.0093	6.5305	0.269	-0.2226	0.0104	0.0568
1756	8.73	8.81	4.7879	1.7338	0.0095	6.5312	0.274	-0.2189	0.0076	0.0627
1757	9.26	8.76	4.7888	1.7334	0.0096	6.5317	0.283	-0.2253	0.0074	0.0651
1758	8.99	8.74	4.7827	1.7399	0.0097	6.5323	0.262	-0.2134	0.0079	0.0565
1759	8.53	8.76	4.7772	1.7451	0.0096	6.5319	0.1943	-0.1555	0.0058	0.0446
1760	8.98	8.75	4.777	1.7461	0.0097	6.5328	0.2287	-0.203	0.0054	0.0311
1761	8.35	8.74	4.7735	1.7493	0.01	6.5329	0.2624	-0.2391	0.0049	0.0282
1762	8.39	8.74	4.7748	1.7486	0.0103	6.5337	0.292	-0.2724	0.0042	0.0239
1763	8.52	8.75	4.771	1.7525	0.0104	6.5339	0.3552	-0.336	0.0046	0.0239
1764	8.13	8.76	4.7743	1.7485	0.0102	6.533	0.3823	-0.3638	0.005	0.0236
1765	8.12	8.82	4.7801	1.7442	0.0101	6.5343	0.2777	-0.2597	0.0031	0.0211
1766	8.42	8.81	4.7828	1.7418	0.01	6.5347	0.1988	-0.1839	0.0061	0.021
1767	9.18	8.78	4.7851	1.7384	0.0099	6.5334	0.1042	-0.0894	0.01	0.0248

1768	9.63	8.79	4.7814	1.7419	0.0098	6.5331	0.0717	-0.0551	0.0135	0.0301
1769	8.96	8.79	4.7758	1.7455	0.0099	6.5312	0.1644	-0.1407	0.011	0.0347
1770	8.83	8.78	4.777	1.7449	0.0097	6.5316	0.2816	-0.25	0.0079	0.0395
1771	8.95	8.8	4.7781	1.7438	0.0096	6.5315	0.3311	-0.303	0.0083	0.0364
1772	9.05	8.81	4.7812	1.7408	0.0095	6.5315	0.3015	-0.2645	0.0106	0.0476
1773	9.25	8.82	4.7867	1.7346	0.0098	6.5312	0.4044	-0.3563	0.0138	0.0619
1774	9.24	8.85	4.781	1.7399	0.01	6.5309	0.4622	-0.4214	0.0135	0.0543
1775	8.62	8.87	4.7816	1.7395	0.0105	6.5315	0.4463	-0.4139	0.0138	0.0462
1776	8.73	8.88	4.7876	1.7332	0.0103	6.5311	0.4825	-0.4444	0.016	0.0541
1777	9.12	8.84	4.7904	1.7296	0.01	6.53	0.4722	-0.4219	0.0167	0.0671
1778	8.63	8.81	4.7937	1.7262	0.0097	6.5296	0.4607	-0.408	0.0138	0.0664
1779	8.74	8.8	4.7935	1.7252	0.0096	6.5284	0.5368	-0.4811	0.0165	0.0723
1780	8.67	8.81	4.8006	1.7172	0.0096	6.5274	0.6145	-0.5511	0.0149	0.0783
1781	8.65	8.82	4.8108	1.7083	0.0098	6.5288	0.5819	-0.5283	0.012	0.0656
1782	8.62	8.79	4.814	1.7056	0.0098	6.5294	0.7459	-0.7089	0.0092	0.0463
1783	8.74	8.78	4.8167	1.7026	0.0097	6.529	0.7488	-0.7073	0.0097	0.0512
1784	8.46	8.76	4.8187	1.7004	0.0095	6.5286	0.759	-0.7192	0.0131	0.0528
1785	8.58	8.77	4.8194	1.6994	0.0089	6.5277	0.7645	-0.7162	0.017	0.0652
1786	8.46	8.77	4.8147	1.7035	0.0087	6.5269	0.8347	-0.7741	0.0195	0.0801
1787	9.02	8.76	4.8148	1.703	0.0086	6.5265	0.9402	-0.8873	0.019	0.0719
1788	8.88	8.77	4.8036	1.7152	0.0087	6.5275	1.0022	-0.9405	0.022	0.0837
1789	8.93	8.76	4.7843	1.7345	0.009	6.5279	1.0182	-0.953	0.0214	0.0867
1790	9.14	8.76	4.7777	1.7442	0.0089	6.5308	0.9093	-0.837	0.0213	0.0935
1791	8.59	8.74	4.7661	1.7514	0.0091	6.5265	0.8387	-0.7579	0.0246	0.1053
1792	9.02	8.75	4.7563	1.7633	0.0095	6.5291	0.8469	-0.7733	0.0235	0.0971
1793	8.9	8.78	4.7457	1.7725	0.0097	6.5278	0.8546	-0.7832	0.0245	0.0959
1794	8.81	8.78	4.7445	1.7746	0.0096	6.5287	0.8429	-0.775	0.03	0.0979
1795	8.7	8.76	4.7452	1.7738	0.0095	6.5285	0.8176	-0.7729	0.0362	0.0808
1796	8.83	8.74	4.7456	1.7739	0.0093	6.5289	0.7621	-0.6882	0.037	0.1109
1797	8.87	8.67	4.745	1.7749	0.0091	6.529	0.7435	-0.6574	0.0347	0.1209
1798	8.49	8.64	4.744	1.7754	0.0088	6.5282	0.7761	-0.6853	0.0249	0.1157
1799	8.73	8.5	4.7465	1.7717	0.0085	6.5267	0.7725	-0.6722	0.0243	0.1246
1800	8.29	8.29	4.745	1.7726	0.0086	6.5262	0.8666	-0.7629	0.0256	0.1293