Test Name	**HPL, MW, rep 1**
Cladding	**High Pressure Laminate (HPL)**
Cladding Thickness [mm]	**8**
Insulation	**Mineral Wool (MW)**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
Repetition Number	**1**
Mass Flow Rate (Propane)	**0.2**
Description	This experiment is on a system consisting of a High Pressure Laminate (HPL) cladding panel and a Mineral Wool (MW) insulation panel, separated with a cavity of 50 mm width. It is the first repetition of this system configuration.
Experiment Notes	At approximately 9 minutes the HPL panel began to touch the insulation panel, affecting the mass measurements. At approximately 16 mins the cladding panel frame is seen to shift as the panel breaks.
Peak HRR [kW]	**91**
Time to Peak HRR [mins]	**10.7**
Residual HRR [kW]	**19.4**
Total HR [MJ]	**68.4**
Peak dQ/dt [kW/s]	**0.332**
Time to Peak dQ/dt [s]	**7.75**

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	-0.404	-0.404	6.9544	2.8008	-0.0008	9.7544	0.1353	0.1689	0.0108	0.315
1	0.0271	-0.0879	6.9542	2.7995	-0.0007	9.7531	0.1377	0.1654	0.0068	0.3099
2	0.113	0.0248	6.9533	2.799	-0.0007	9.7516	0.1399	0.1568	0.0085	0.3051
3	0.137	0.258	6.9525	2.7987	-0.0006	9.7506	0.1455	0.1447	0.0088	0.299
4	0.25	0.695	6.9519	2.7986	-0.0008	9.7497	0.1478	0.1428	0.01	0.3006
5	0.532	1.34	6.9515	2.7987	-0.001	9.7492	0.1431	0.1351	0.0122	0.2903
6	1.15	2.16	6.9512	2.799	-0.0012	9.749	0.1405	0.1266	0.0169	0.284
7	1.89	2.87	6.9511	2.7988	-0.0015	9.7483	0.1422	0.1236	0.016	0.2818
8	2.56	3.47	6.9507	2.7984	-0.0016	9.7474	0.1518	0.124	0.0158	0.2915
9	3.66	3.99	6.9503	2.7983	-0.0013	9.7473	0.1626	0.1172	0.0174	0.2971
10	4.8	4.47	6.9503	2.7981	-0.0014	9.747	0.1619	0.1204	0.0174	0.2996
11	6.23	4.95	6.9504	2.7978	-0.0014	9.7467	0.1659	0.1175	0.0187	0.3021
12	7.12	5.42	6.9501	2.7972	-0.0016	9.7458	0.1659	0.1238	0.0189	0.3085
13	7.45	5.89	6.9501	2.7967	-0.0018	9.745	0.1637	0.1245	0.0213	0.3095
14	7.54	6.36	6.9501	2.7967	-0.0017	9.7451	0.1733	0.1226	0.0215	0.3174
15	7.85	6.8	6.9502	2.7964	-0.0018	9.7449	0.182	0.1185	0.0222	0.3227
16	8.17	7.2	6.9502	2.7957	-0.0017	9.7442	0.1925	0.1117	0.0218	0.3261
17	8.23	7.56	6.9501	2.7953	-0.0014	9.744	0.2078	0.111	0.0215	0.3404
18	8.44	7.87	6.9499	2.7954	-0.0011	9.7442	0.2075	0.1143	0.0212	0.343
19	8.74	8.13	6.9496	2.7955	-0.0009	9.7442	0.2031	0.1137	0.0196	0.3364
20	9.12	8.34	6.9496	2.7955	-0.0009	9.7442	0.2002	0.1093	0.0178	0.3273
21	9.12	8.48	6.9487	2.7959	-0.0013	9.7432	0.2045	0.1102	0.0174	0.3321
22	9.06	8.58	6.9483	2.7953	-0.0014	9.7423	0.2061	0.1057	0.0156	0.3274
23	9.18	8.67	6.9484	2.7952	-0.0012	9.7423	0.2205	0.1077	0.0154	0.3436
24	8.93	8.74	6.9485	2.7953	-0.0011	9.7426	0.2269	0.1023	0.0181	0.3474
25	8.79	8.8	6.9486	2.7953	-0.0013	9.7427	0.2282	0.0968	0.0185	0.3435
26	8.71	8.86	6.9491	2.7955	-0.0013	9.7432	0.2259	0.0905	0.019	0.3354
27	8.37	8.92	6.9493	2.7948	-0.0014	9.7426	0.2227	0.0884	0.017	0.3281
28	8.56	8.97	6.9495	2.7949	-0.0017	9.7428	0.2293	0.0808	0.0179	0.328

29	8.79	8.99	6.9498	2.7951	-0.0017	9.7432	0.2315	0.0767	0.016	0.3242
30	8.91	8.99	6.95	2.7946	-0.0018	9.7428	0.2277	0.0671	0.0155	0.3103
31	8.98	9.03	6.9501	2.7942	-0.0019	9.7424	0.2219	0.0673	0.0154	0.3046
32	9.28	9.07	6.9497	2.7947	-0.0021	9.7423	0.2103	0.068	0.0164	0.2947
33	8.77	9.08	6.9493	2.7947	-0.0022	9.7418	0.1954	0.0695	0.0158	0.2808
34	9.06	9.1	6.9489	2.7945	-0.0022	9.7412	0.1816	0.0705	0.0148	0.2669
35	9.22	9.12	6.949	2.7941	-0.0024	9.7408	0.1696	0.0717	0.0146	0.2559
36	9.4	9.15	6.9486	2.7937	-0.0025	9.7398	0.1643	0.0707	0.0151	0.2502
37	9.41	9.16	6.9481	2.7935	-0.0022	9.7394	0.1577	0.067	0.0146	0.2393
38	9.13	9.14	6.9472	2.7933	-0.0021	9.7384	0.1528	0.0653	0.016	0.2341
39	9.2	9.1	6.9476	2.7938	-0.0024	9.739	0.1497	0.0677	0.0162	0.2335
40	9.77	9.07	6.9474	2.7935	-0.0026	9.7382	0.1527	0.0683	0.017	0.238
41	9.79	9.06	6.9483	2.7934	-0.0025	9.7391	0.1593	0.0685	0.0146	0.2424
42	9.5	9.04	6.9495	2.7935	-0.0025	9.7405	0.1639	0.067	0.0142	0.2452
43	9.34	9.05	6.9502	2.7933	-0.0023	9.7412	0.1668	0.0668	0.0166	0.2501
44	9.09	9.04	6.95	2.7932	-0.002	9.7412	0.1707	0.0625	0.0159	0.2492
45	9.2	8.99	6.9499	2.7931	-0.0018	9.7412	0.1736	0.0584	0.0163	0.2483
46	8.59	8.95	6.9492	2.793	-0.0017	9.7405	0.1762	0.0591	0.0185	0.2538
47	8.28	8.9	6.9485	2.793	-0.0015	9.74	0.1794	0.064	0.019	0.2623
48	7.98	8.83	6.9476	2.7934	-0.0014	9.7396	0.1848	0.0656	0.0205	0.2709
49	8.32	8.79	6.9466	2.7934	-0.0014	9.7386	0.1916	0.0708	0.0197	0.282
50	8.91	8.73	6.9464	2.7934	-0.0012	9.7386	0.1905	0.071	0.0195	0.2809
51	8.85	8.68	6.9461	2.7937	-0.0013	9.7385	0.2077	0.0703	0.021	0.299
52	8.94	8.66	6.9457	2.7942	-0.0013	9.7386	0.2113	0.0596	0.022	0.2928
53	8.82	8.68	6.9454	2.7941	-0.0014	9.7382	0.2068	0.0574	0.0216	0.2858
54	8.33	8.71	6.9455	2.7944	-0.0015	9.7384	0.2006	0.0591	0.0203	0.28
55	8.67	8.72	6.9455	2.7948	-0.0018	9.7385	0.1978	0.0546	0.0187	0.2711
56	8.39	8.77	6.9453	2.7948	-0.0018	9.7383	0.1997	0.0525	0.017	0.2692
57	7.88	8.84	6.9446	2.7947	-0.0018	9.7375	0.2058	0.0535	0.0134	0.2727
58	8.35	8.95	6.9438	2.7949	-0.0019	9.7369	0.2122	0.0526	0.0099	0.2747
59	8.71	9.07	6.9437	2.7946	-0.0019	9.7364	0.2187	0.0486	0.0117	0.2789
60	8.77	9.15	6.9433	2.7947	-0.002	9.736	0.2183	0.051	0.0167	0.2859
61	9.17	9.25	6.9431	2.7942	-0.002	9.7353	0.219	0.0574	0.017	0.2934
62	9.64	9.33	6.9431	2.794	-0.0022	9.7349	0.2199	0.0608	0.0169	0.2976
63	9.72	9.41	6.9423	2.794	-0.0022	9.7341	0.2177	0.0612	0.0138	0.2927
64	9.41	9.5	6.9416	2.7941	-0.0023	9.7334	0.2185	0.0546	0.0059	0.2789
65	9.42	9.57	6.9407	2.7945	-0.0023	9.7329	0.2245	0.057	0.0035	0.2851

66	9.65	9.64	6.9395	2.7944	-0.0023	9.7316	0.2295	0.0539	-0.0007	0.2826
67	10.1	9.75	6.9393	2.7941	-0.0023	9.7311	0.2321	0.0409	-0.0023	0.2707
68	10.6	9.84	6.9394	2.794	-0.0022	9.7312	0.2352	0.0329	0.0017	0.2699
69	10.4	9.94	6.9394	2.7942	-0.0021	9.7315	0.2336	0.0361	0.0061	0.2758
70	10.8	10.1	6.9389	2.794	-0.0021	9.7308	0.2313	0.0369	0.0088	0.2771
71	10.4	10.2	6.9386	2.7942	-0.002	9.7308	0.2345	0.0309	0.0068	0.2722
72	10.3	10.3	6.9373	2.794	-0.002	9.7293	0.236	0.0327	-0.0008	0.2679
73	10.1	10.3	6.9366	2.7943	-0.0022	9.7287	0.2347	0.0287	-0.0003	0.2631
74	9.94	10.4	6.9363	2.7946	-0.0022	9.7286	0.2389	0.0251	-0.0004	0.2636
75	9.79	10.5	6.9362	2.795	-0.0023	9.7289	0.2452	0.0226	0.0006	0.2684
76	9.91	10.6	6.9363	2.795	-0.0022	9.7291	0.2526	0.0254	-0.002	0.276
77	9.99	10.7	6.9355	2.7955	-0.0023	9.7288	0.2606	0.0268	-0.0028	0.2847
78	10.7	10.8	6.9351	2.7958	-0.0021	9.7288	0.2644	0.0157	-0.0033	0.2767
79	11.3	10.8	6.9352	2.7965	-0.0021	9.7296	0.2723	0.0141	-0.0056	0.2808
80	11	10.8	6.9354	2.7964	-0.0021	9.7297	0.2813	0.0186	-0.006	0.2939
81	11.3	10.9	6.9362	2.7963	-0.0022	9.7302	0.2931	0.014	-0.0049	0.3022
82	11	10.9	6.9372	2.7961	-0.0022	9.7311	0.3001	0.0075	-0.003	0.3046
83	11.1	11	6.9382	2.7959	-0.0021	9.732	0.2993	0.0126	-0.0036	0.3083
84	11.5	11.1	6.939	2.7958	-0.0021	9.7326	0.2963	0.0147	-0.0063	0.3047
85	11.8	11.1	6.9393	2.7958	-0.0022	9.7329	0.2986	0.0132	-0.0082	0.3036
86	11.7	11.2	6.9397	2.796	-0.0021	9.7336	0.3015	0.0075	-0.0105	0.2985
87	11.4	11.2	6.94	2.7961	-0.0023	9.7338	0.3	0.0029	-0.0105	0.2924
88	11.5	11.3	6.9401	2.7958	-0.0023	9.7336	0.3049	0.0029	-0.0057	0.3021
89	10.9	11.2	6.9397	2.7957	-0.0024	9.733	0.3004	0.0037	-0.004	0.3001
90	11.3	11.2	6.9389	2.7956	-0.0022	9.7323	0.3213	0.007	-0.0244	0.304
91	11.3	11.2	6.9383	2.7957	-0.0022	9.7318	0.3003	-0.001	-0.0116	0.2878
92	11.2	11.2	6.9379	2.7956	-0.0024	9.7311	0.3152	0.0007	-0.007	0.3089
93	11.5	11.2	6.9374	2.796	-0.0024	9.731	0.3328	0.0055	-0.0056	0.3327
94	11.1	11.2	6.9369	2.7963	-0.0024	9.7308	0.3504	0.0038	-0.0033	0.3509
95	10.8	11.2	6.9365	2.7962	-0.0026	9.73	0.3593	0.0002	0.0009	0.3605
96	11.2	11.2	6.936	2.7956	-0.0027	9.729	0.3685	0.0008	0.0026	0.3719
97	11.2	11.2	6.9353	2.7954	-0.0029	9.7279	0.3753	0.0017	0.0043	0.3813
98	10.9	11.2	6.9344	2.7948	-0.0028	9.7265	0.3858	0.0045	0.0057	0.396
99	10.9	11.2	6.9344	2.7947	-0.0028	9.7263	0.3892	0.0063	0.0046	0.4001
100	11.3	11.2	6.9336	2.7938	-0.0029	9.7245	0.3884	0.0086	0.004	0.401
101	10.9	11.2	6.9331	2.7936	-0.0029	9.7238	0.3975	0.0139	0.0069	0.4183
102	11.4	11.2	6.9327	2.7932	-0.0028	9.7231	0.4028	0.0123	0.0069	0.422

103	11.3	11.2	6.9325	2.7928	-0.0027	9.7226	0.4045	0.0226	0.0048	0.4319
104	11	11.2	6.9321	2.7931	-0.0027	9.7225	0.4046	0.0263	0.0037	0.4347
105	11.1	11.2	6.9315	2.7934	-0.0027	9.7223	0.4004	0.0314	0.001	0.4328
106	11.5	11.2	6.9307	2.7937	-0.0026	9.7218	0.3944	0.04	-0.0045	0.4298
107	11.7	11.2	6.9298	2.7935	-0.0025	9.7209	0.405	0.0384	-0.0069	0.4365
108	11.9	11.2	6.9288	2.7935	-0.0028	9.7195	0.4117	0.0331	-0.0091	0.4357
109	11.4	11.2	6.9285	2.7932	-0.003	9.7187	0.4181	0.0306	-0.0124	0.4364
110	11.3	11.2	6.9284	2.7924	-0.0031	9.7177	0.4306	0.0262	-0.0148	0.442
111	11.1	11.2	6.9284	2.7917	-0.0031	9.717	0.4329	0.0218	-0.02	0.4347
112	11.2	11.2	6.9283	2.7911	-0.0029	9.7165	0.4385	0.0037	-0.0223	0.4199
113	11.1	11.2	6.9282	2.7912	-0.0024	9.7171	0.4488	0.0012	-0.0234	0.4266
114	10.8	11.1	6.9276	2.791	-0.0021	9.7166	0.4454	-0.002	-0.0211	0.4223
115	10.7	11	6.9273	2.791	-0.0017	9.7166	0.4482	-0.0006	-0.0218	0.4258
116	11	10.9	6.927	2.7917	-0.0015	9.7171	0.454	-0.0002	-0.0201	0.4337
117	11.3	10.8	6.9266	2.792	-0.0016	9.717	0.4537	0.0019	-0.0182	0.4374
118	11.4	10.8	6.9266	2.7917	-0.0017	9.7166	0.4635	0	-0.0204	0.4431
119	11.5	10.7	6.9265	2.7918	-0.0018	9.7165	0.4799	-0.0076	-0.0177	0.4545
120	10.9	10.6	6.9261	2.7924	-0.0016	9.717	0.4902	-0.0071	-0.0142	0.4689
121	11	10.6	6.9251	2.7926	-0.0012	9.7164	0.497	-0.0038	-0.0119	0.4813
122	10	10.5	6.9248	2.7925	-0.0014	9.716	0.4987	0.0053	-0.009	0.495
123	9.68	10.5	6.9245	2.7927	-0.0012	9.7159	0.4937	0.0032	-0.0102	0.4867
124	9.74	10.5	6.9239	2.793	-0.0012	9.7158	0.4893	0.0086	-0.0106	0.4873
125	9.92	10.5	6.9234	2.7928	-0.0011	9.7151	0.5062	0.0142	-0.0121	0.5083
126	10.1	10.5	6.923	2.7928	-0.0011	9.7147	0.5238	0.0182	-0.0101	0.5319
127	10.1	10.5	6.9228	2.7932	-0.0011	9.715	0.5366	0.0206	-0.0101	0.5471
128	10.1	10.5	6.9223	2.7935	-0.0011	9.7147	0.5494	0.0382	-0.0122	0.5754
129	9.68	10.5	6.9216	2.7932	-0.0011	9.7138	0.558	0.0421	-0.0103	0.5899
130	10.3	10.6	6.9207	2.7932	-0.0013	9.7126	0.5438	0.0512	-0.016	0.579
131	10.5	10.6	6.9201	2.7935	-0.0016	9.7119	0.5575	0.0556	-0.0039	0.6092
132	10.6	10.8	6.9198	2.7935	-0.0018	9.7115	0.5679	0.0591	-0.007	0.62
133	10.7	10.9	6.9196	2.7933	-0.0016	9.7113	0.5854	0.0669	-0.007	0.6453
134	10.9	11	6.9191	2.7932	-0.0014	9.7109	0.617	0.0681	-0.0092	0.6759
135	10.8	11.1	6.9189	2.7934	-0.0013	9.7109	0.642	0.0725	-0.014	0.7005
136	11.5	11.3	6.9186	2.7934	-0.0014	9.7106	0.6667	0.0726	-0.0175	0.7219
137	11.8	11.4	6.9176	2.7932	-0.0016	9.7092	0.6851	0.0779	-0.0199	0.7431
138	11.7	11.6	6.9171	2.793	-0.0017	9.7084	0.695	0.0771	-0.0175	0.7546
139	12.1	11.7	6.9154	2.7931	0.0001	9.7086	0.7127	0.07	-0.0179	0.7648

140	12.1	11.8	6.9173	2.7936	-0.0014	9.7095	0.7313	0.0613	-0.0224	0.7702
141	12.2	11.9	6.9168	2.7933	-0.0018	9.7082	0.7374	0.0582	-0.0209	0.7747
142	12.1	12	6.9162	2.793	-0.002	9.7072	0.7457	0.0547	-0.0207	0.7798
143	12.1	12.1	6.9151	2.7929	-0.002	9.7061	0.7588	0.0524	-0.022	0.7893
144	12.3	12.2	6.9141	2.7932	-0.0021	9.7052	0.7599	0.0555	-0.022	0.7934
145	12.9	12.3	6.913	2.7931	-0.0021	9.704	0.7601	0.0557	-0.0251	0.7907
146	12.7	12.4	6.9116	2.7928	-0.0021	9.7023	0.7636	0.0552	-0.0306	0.7882
147	12.6	12.4	6.9099	2.7926	-0.0021	9.7004	0.7524	0.0499	-0.0319	0.7703
148	12.9	12.4	6.9087	2.7927	-0.0019	9.6995	0.745	0.0482	-0.0352	0.758
149	12.4	12.4	6.9078	2.7925	-0.0018	9.6985	0.758	0.0402	-0.0353	0.7629
150	12.6	12.5	6.9066	2.792	-0.0019	9.6968	0.7768	0.0369	-0.0367	0.777
151	12.5	12.5	6.9059	2.7925	-0.002	9.6963	0.7805	0.0222	-0.0362	0.7665
152	12.6	12.5	6.9052	2.7919	-0.0018	9.6954	0.7949	0.0178	-0.039	0.7737
153	12.6	12.6	6.905	2.7915	-0.0018	9.6947	0.8016	0.0156	-0.0364	0.7807
154	12.3	12.6	6.9055	2.7913	-0.0016	9.6952	0.8186	0.012	-0.036	0.7946
155	12.3	12.5	6.9061	2.7908	-0.0014	9.6955	0.824	0.0094	-0.0378	0.7956
156	12.4	12.5	6.9048	2.791	-0.0011	9.6947	0.826	0.0114	-0.0394	0.7981
157	12.5	12.5	6.9034	2.7913	-0.0009	9.6939	0.8303	0.0113	-0.0381	0.8035
158	12.4	12.4	6.902	2.7919	-0.0006	9.6932	0.8303	0.0051	-0.0353	0.8001
159	12.4	12.5	6.9006	2.792	-0.0004	9.6922	0.8232	0.003	-0.0373	0.7888
160	12.8	12.5	6.9	2.7925	0	9.6925	0.8267	-0.0023	-0.0407	0.7836
161	13	12.6	6.8993	2.7938	0.0002	9.6933	0.84	-0.0123	-0.042	0.7858
162	12.6	12.6	6.8982	2.7939	0.0001	9.6922	0.8543	-0.0192	-0.042	0.7932
163	12.5	12.7	6.8978	2.7942	-0.0001	9.6919	0.8682	-0.0222	-0.0403	0.8057
164	12.3	12.9	6.8968	2.7942	-0.0001	9.6908	0.8827	-0.0141	-0.0334	0.8352
165	12.1	13	6.8953	2.7945	-0.0003	9.6895	0.895	-0.0121	-0.0298	0.8531
166	11.8	13.1	6.8941	2.7942	-0.0005	9.6878	0.9044	-0.0128	-0.0262	0.8654
167	11.9	13.2	6.8929	2.7941	-0.0003	9.6868	0.9197	-0.0083	-0.0216	0.8899
168	13	13.4	6.8914	2.7948	-0.0004	9.6857	0.9368	-0.0084	-0.024	0.9044
169	13.3	13.6	6.8904	2.7949	-0.0007	9.6846	0.9586	-0.0129	-0.0216	0.9241
170	13.9	13.7	6.8892	2.7944	-0.0009	9.6827	0.9673	-0.0108	-0.0207	0.9358
171	14	13.8	6.8887	2.7937	-0.0011	9.6813	0.9739	-0.0039	-0.0162	0.9537
172	14.7	14	6.8879	2.7937	-0.001	9.6806	0.9868	0.0027	-0.0123	0.9772
173	14.7	14.2	6.8877	2.7934	-0.0011	9.68	0.9957	-0.0006	-0.0163	0.9788
174	14.7	14.4	6.8857	2.7932	-0.001	9.6778	0.9885	0.0124	-0.0123	0.9886
175	14.8	14.5	6.8839	2.7931	-0.0013	9.6757	1.0219	0.014	-0.014	1.0219
176	14.8	14.7	6.8826	2.793	-0.0012	9.6744	1.0415	0.011	-0.0123	1.0402

177	15.2	14.9	6.8806	2.7917	-0.001	9.6713	1.0632	0.0093	-0.0106	1.0619
178	15.6	15.1	6.8793	2.7916	-0.0011	9.6698	1.0832	0.0144	-0.01	1.0877
179	15.2	15.2	6.8808	2.7914	-0.0005	9.6717	1.0934	0.024	-0.0084	1.109
180	15.3	15.3	6.8797	2.7908	-0.0017	9.6688	1.0986	0.0317	-0.008	1.1223
181	16	15.5	6.8794	2.7904	-0.0015	9.6682	1.0975	0.0374	-0.0093	1.1256
182	16.1	15.5	6.8787	2.7894	-0.0015	9.6666	1.1067	0.0428	-0.0131	1.1364
183	15.9	15.6	6.8765	2.7891	-0.0012	9.6644	1.1187	0.0407	-0.0156	1.1437
184	15.4	15.6	6.8748	2.7885	-0.0007	9.6626	1.1388	0.042	-0.0158	1.165
185	15.1	15.6	6.8726	2.7885	-0.0004	9.6607	1.1484	0.0463	-0.0158	1.1789
186	15.5	15.6	6.8712	2.7882	-0.0001	9.6593	1.1733	0.0479	-0.0183	1.203
187	16	15.6	6.8705	2.7884	-0.0005	9.6583	1.1846	0.0436	-0.0202	1.2081
188	16.4	15.6	6.8688	2.7888	-0.0005	9.6571	1.196	0.0417	-0.0228	1.2149
189	16	15.6	6.8665	2.7896	-0.0002	9.656	1.2152	0.0331	-0.0219	1.2263
190	16.3	15.6	6.8652	2.7898	-0.0001	9.6549	1.2127	0.0305	-0.0025	1.2407
191	16.3	15.6	6.8638	2.7902	-0.0001	9.6539	1.2498	0.0405	-0.0167	1.2737
192	15.7	15.6	6.862	2.7904	-0.0002	9.6522	1.263	0.0447	-0.0177	1.2899
193	15.5	15.7	6.8614	2.7904	-0.0002	9.6516	1.2767	0.049	-0.017	1.3087
194	15.1	15.8	6.8609	2.7907	0.0001	9.6517	1.2925	0.0579	-0.0156	1.3348
195	14.8	15.9	6.8601	2.7906	0.0004	9.6512	1.2915	0.0703	-0.0181	1.3437
196	14.9	16	6.8608	2.7906	0.0005	9.6519	1.2955	0.0758	-0.019	1.3523
197	15.1	16.1	6.8608	2.7906	0.0006	9.6521	1.2933	0.0804	-0.0196	1.3541
198	15.1	16.2	6.8586	2.7908	0.0007	9.6502	1.2838	0.0832	-0.0222	1.3448
199	15.3	16.3	6.8567	2.7911	0.0009	9.6486	1.2835	0.0873	-0.0227	1.348
200	15.6	16.3	6.8556	2.7916	0.0007	9.6479	1.2843	0.0882	-0.023	1.3495
201	16.6	16.4	6.8536	2.7918	0.001	9.6464	1.284	0.0801	-0.0232	1.3408
202	16.7	16.5	6.8525	2.7917	0.0008	9.645	1.2884	0.082	-0.0247	1.3457
203	17.4	16.7	6.8506	2.7916	0.0009	9.6432	1.3067	0.0726	-0.0257	1.3536
204	17.4	16.9	6.8497	2.7922	0.0011	9.643	1.3206	0.064	-0.0257	1.3589
205	17.4	17.2	6.8489	2.7923	0.0012	9.6425	1.3455	0.0541	-0.0236	1.3761
206	17.5	17.5	6.8476	2.7925	0.0013	9.6414	1.377	0.0428	-0.0237	1.3961
207	18.2	17.7	6.8468	2.793	0.001	9.6409	1.3799	0.0413	-0.0206	1.4006
208	18	17.9	6.8465	2.7932	0.001	9.6407	1.3894	0.044	-0.0152	1.4182
209	17.3	18	6.8458	2.7934	0.0011	9.6403	1.4032	0.0477	-0.011	1.4399
210	17.6	18.2	6.8444	2.7936	0.0011	9.6391	1.4068	0.0496	-0.0083	1.4481
211	18.8	18.3	6.8429	2.7936	0.0011	9.6376	1.4234	0.0579	-0.0044	1.4769
212	18.3	18.4	6.8415	2.7933	0.0011	9.6359	1.4187	0.0698	-0.0027	1.4858
213	19.7	18.5	6.84	2.7926	0.001	9.6335	1.4285	0.0665	-0.0036	1.4914

214	19.8	18.7	6.8381	2.7922	0.0009	9.6313	1.4463	0.0644	-0.0045	1.5062
215	19.6	18.9	6.8369	2.7923	0.0009	9.6301	1.4519	0.06	-0.0052	1.5067
216	18.9	19	6.835	2.7925	0.0007	9.6281	1.4564	0.0669	-0.008	1.5153
217	19	19.2	6.8329	2.7928	0.0008	9.6265	1.4575	0.0647	-0.011	1.5112
218	18.8	19.3	6.8307	2.793	0.0005	9.6242	1.4613	0.0666	-0.0093	1.5186
219	18.9	19.5	6.8298	2.7929	0.0003	9.6229	1.4651	0.0749	-0.0104	1.5296
220	18.1	19.7	6.8288	2.7928	0	9.6216	1.4676	0.075	-0.0133	1.5293
221	18.7	19.7	6.8264	2.7923	0	9.6187	1.4707	0.0745	-0.0172	1.5281
222	20.3	19.8	6.8253	2.7925	0.0003	9.6181	1.4878	0.071	-0.0191	1.5396
223	20.7	19.9	6.8256	2.7914	0	9.6171	1.5027	0.0767	-0.0191	1.5603
224	20.6	19.9	6.8217	2.7916	0.0002	9.6136	1.5161	0.0787	-0.0214	1.5734
225	20	19.9	6.8192	2.7917	0.0001	9.6111	1.5139	0.0899	-0.0185	1.5853
226	21.1	19.9	6.8167	2.7919	0	9.6086	1.5145	0.0866	-0.0229	1.5782
227	21.2	19.9	6.8145	2.7918	-0.0001	9.6062	1.5244	0.0876	-0.0227	1.5892
228	20.7	20	6.813	2.7911	-0.0003	9.6038	1.5245	0.0742	-0.0224	1.5764
229	20.2	20	6.8118	2.7901	-0.0003	9.6015	1.543	0.0714	-0.0233	1.5911
230	19.9	20.1	6.8109	2.7895	-0.0004	9.6	1.5849	0.064	-0.0167	1.6322
231	20.5	20.2	6.8094	2.7892	-0.0003	9.5983	1.599	0.0558	-0.0272	1.6277
232	20.1	20.1	6.8079	2.7894	-0.0002	9.5971	1.615	0.0471	-0.0237	1.6384
233	20	20.1	6.8057	2.7891	0	9.5948	1.628	0.0385	-0.022	1.6445
234	19.8	20	6.8042	2.7886	0.0002	9.593	1.6232	0.0313	-0.018	1.6365
235	19.5	20	6.8015	2.7886	0.0005	9.5906	1.6253	0.0231	-0.013	1.6354
236	19.3	19.9	6.8001	2.7891	0.0006	9.5898	1.624	0.023	-0.0121	1.6349
237	19.4	19.8	6.798	2.7891	0.0006	9.5877	1.6317	0.026	-0.0105	1.6472
238	20	19.8	6.7956	2.7897	0.0005	9.5858	1.6377	0.0353	-0.0154	1.6577
239	20.3	19.8	6.7942	2.79	0.0003	9.5845	1.6405	0.0448	-0.0164	1.6689
240	20.1	19.7	6.7923	2.7895	0.0002	9.5821	1.6395	0.065	-0.0139	1.6906
241	19.3	19.7	6.7905	2.7888	0	9.5792	1.6442	0.0695	-0.0145	1.6992
242	19.6	19.7	6.7886	2.7881	-0.0003	9.5763	1.6478	0.0708	-0.0168	1.7018
243	19.6	19.8	6.7859	2.7871	-0.0004	9.5726	1.6525	0.0753	-0.0197	1.7081
244	19.7	19.8	6.785	2.7861	-0.0003	9.5708	1.667	0.0666	-0.0203	1.7133
245	19.1	19.8	6.7835	2.7855	-0.0002	9.5688	1.6848	0.0665	-0.0189	1.7324
246	19.5	19.9	6.7823	2.7848	-0.0001	9.5669	1.6902	0.0694	-0.0196	1.74
247	20	19.9	6.7815	2.7843	0.0001	9.5659	1.7187	0.0741	-0.02	1.7728
248	19.6	19.9	6.7804	2.784	0.0004	9.5648	1.7447	0.0695	-0.0172	1.797
249	19.3	19.9	6.7794	2.7837	0.0005	9.5636	1.7469	0.0757	-0.0142	1.8084
250	19.8	19.9	6.7782	2.784	0.0004	9.5627	1.7506	0.0834	-0.0106	1.8233

251	20.3	20	6.777	2.7843	0.0005	9.5618	1.7634	0.0886	-0.0108	1.8412
252	21.3	20.1	6.7746	2.7847	0.0008	9.56	1.7709	0.0883	-0.008	1.8512
253	20.3	20.2	6.7729	2.7851	0.0008	9.5588	1.7824	0.0839	-0.0112	1.8551
254	20.5	20.3	6.7709	2.7859	0.0007	9.5575	1.7926	0.0815	-0.0106	1.8635
255	20.3	20.5	6.7684	2.7865	0.001	9.5559	1.8044	0.0841	-0.0079	1.8806
256	19.7	20.6	6.7668	2.7868	0.001	9.5546	1.8308	0.0906	-0.0085	1.9129
257	20	20.7	6.7645	2.7869	0.0007	9.5521	1.8422	0.0847	-0.0094	1.9174
258	20.6	20.9	6.7617	2.7871	0.0005	9.5492	1.8572	0.0972	-0.0105	1.9439
259	20.6	21	6.76	2.787	0.0004	9.5474	1.8776	0.0985	-0.0087	1.9674
260	21.2	21.1	6.7577	2.7867	0.0004	9.5448	1.8882	0.1026	-0.0049	1.9859
261	20.8	21.2	6.7574	2.7868	0.0005	9.5447	1.8928	0.1028	-0.0044	1.9912
262	21.5	21.3	6.7554	2.7872	0.0005	9.5431	1.9043	0.0989	-0.0034	1.9999
263	22	21.5	6.7532	2.7878	0.0003	9.5412	1.9123	0.0974	-0.0001	2.0096
264	22.1	21.6	6.7516	2.7882	0.0004	9.5402	1.9223	0.0867	0.0013	2.0102
265	22.2	21.7	6.7497	2.7878	0.0005	9.538	1.9203	0.0919	0.0021	2.0143
266	21.6	21.8	6.7484	2.7877	0.0006	9.5367	1.9327	0.0839	0.001	2.0176
267	22.6	21.9	6.7468	2.7874	0.0007	9.5349	1.9266	0.0828	-0.0034	2.0059
268	21.7	22	6.7449	2.7873	0.0006	9.5328	1.9392	0.0889	-0.0019	2.0261
269	21.9	22.1	6.7436	2.7874	0.0006	9.5317	1.9375	0.1035	-0.0067	2.0343
270	22.3	22.1	6.7421	2.7869	0.0008	9.5299	1.9575	0.1039	-0.0096	2.0518
271	22.9	22.2	6.7399	2.7866	0.0008	9.5274	1.98	0.1068	-0.0102	2.0766
272	23.3	22.3	6.7377	2.786	0.001	9.5246	1.9831	0.1037	-0.01	2.0768
273	22.5	22.4	6.7361	2.7855	0.001	9.5226	1.9982	0.1058	-0.0083	2.0956
274	23.1	22.3	6.7343	2.7842	0.0008	9.5193	2.0202	0.0903	-0.0144	2.0961
275	21.9	22.4	6.7324	2.7845	0.001	9.5179	2.0022	0.085	-0.014	2.0732
276	22.3	22.4	6.7302	2.7842	0.0011	9.5155	1.9968	0.0797	-0.0164	2.0602
277	21.9	22.3	6.7281	2.7843	0.0012	9.5136	1.9966	0.0873	-0.0171	2.0668
278	22.1	22.3	6.725	2.7844	0.0012	9.5107	1.9998	0.083	-0.019	2.0637
279	22.1	22.4	6.7223	2.785	0.0012	9.5085	2.0065	0.0792	-0.0208	2.0649
280	22.9	22.4	6.7198	2.7852	0.001	9.506	2.0138	0.0705	-0.0232	2.0611
281	23.2	22.4	6.7179	2.7856	0.0009	9.5044	2.0319	0.0597	-0.026	2.0656
282	22.5	22.4	6.7159	2.7855	0.0007	9.5021	2.0413	0.0572	-0.0289	2.0697
283	21.7	22.4	6.7141	2.786	0.0006	9.5007	2.0631	0.0615	-0.0295	2.095
284	22.3	22.4	6.7123	2.7862	0.0006	9.4991	2.0784	0.0571	-0.0279	2.1076
285	22.1	22.5	6.7102	2.7862	0.0008	9.4972	2.0826	0.0537	-0.0264	2.1099
286	21.9	22.7	6.708	2.7856	0.0009	9.4945	2.0728	0.0527	-0.0205	2.105
287	21.5	22.8	6.7067	2.7849	0.001	9.4926	2.0819	0.0652	-0.0181	2.129

288	22.8	22.9	6.7048	2.7843	0.0011	9.4902	2.0859	0.0742	-0.0176	2.1426
289	22.3	23	6.7026	2.7831	0.0012	9.4869	2.0911	0.0798	-0.0211	2.1498
290	22.7	23.1	6.7008	2.7828	0.0013	9.485	2.1008	0.086	-0.0231	2.1636
291	23.2	23.2	6.699	2.7831	0.0016	9.4837	2.1075	0.0729	-0.0254	2.1549
292	23.7	23.3	6.6968	2.7829	0.0018	9.4814	2.1153	0.0651	-0.0314	2.1489
293	23.2	23.4	6.6947	2.7837	0.0019	9.4803	2.1201	0.0609	-0.0358	2.1451
294	24	23.5	6.6924	2.7841	0.002	9.4785	2.1202	0.053	-0.0365	2.1367
295	24.6	23.6	6.6911	2.7837	0.0024	9.4772	2.1362	0.0447	-0.0355	2.1453
296	24.1	23.7	6.6889	2.7832	0.0025	9.4746	2.1471	0.0396	-0.0336	2.1531
297	24.4	23.9	6.6863	2.7837	0.0024	9.4724	2.1595	0.0326	-0.0332	2.1589
298	24	24	6.684	2.7832	0.0021	9.4693	2.1916	0.0241	-0.0308	2.1849
299	25.1	24.1	6.6816	2.7827	0.0019	9.4663	2.1967	0.017	-0.029	2.1847
300	24.9	24.1	6.6792	2.7827	0.0018	9.4637	2.2259	0.0214	-0.0281	2.2191
301	24.2	24.1	6.6765	2.783	0.0018	9.4613	2.2357	0.0336	-0.0293	2.24
302	23.9	24.2	6.6743	2.7833	0.0019	9.4595	2.2467	0.0376	-0.0266	2.2578
303	23.7	24.3	6.6714	2.7835	0.002	9.4568	2.2413	0.0416	-0.0215	2.2613
304	24.5	24.3	6.6693	2.7837	0.0019	9.4549	2.2449	0.046	-0.0205	2.2703
305	24.2	24.3	6.6658	2.7832	0.0021	9.4512	2.253	0.0561	-0.0229	2.2862
306	23.9	24.3	6.6634	2.7841	0.0022	9.4497	2.2655	0.0645	-0.0208	2.3092
307	24.5	24.4	6.6611	2.7833	0.0021	9.4465	2.2973	0.0723	-0.0228	2.3468
308	24.4	24.5	6.6587	2.7834	0.0018	9.4439	2.3095	0.0788	-0.0229	2.3654
309	24	24.6	6.657	2.7832	0.0016	9.4418	2.3287	0.0879	-0.0224	2.3942
310	23.4	24.6	6.6551	2.7833	0.0015	9.44	2.3454	0.0864	-0.0235	2.4083
311	24.4	24.8	6.6525	2.7837	0.0014	9.4377	2.3742	0.0826	-0.0185	2.4383
312	24.7	25	6.6503	2.7836	0.0011	9.435	2.4197	0.08	-0.017	2.4826
313	24	25.2	6.6477	2.7839	0.0009	9.4325	2.4317	0.0809	-0.0154	2.4973
314	25.1	25.4	6.6461	2.783	0.0007	9.4298	2.4424	0.0901	-0.0171	2.5154
315	25	25.6	6.6436	2.7839	0.0008	9.4283	2.4508	0.1033	-0.0175	2.5366
316	25.7	25.8	6.6423	2.7842	0.001	9.4275	2.4578	0.105	-0.0159	2.5469
317	25.9	26.1	6.639	2.7839	0.001	9.4239	2.475	0.1064	-0.0161	2.5653
318	26.5	26.2	6.637	2.7827	0.0011	9.4208	2.491	0.1049	-0.0186	2.5773
319	26.2	26.5	6.634	2.7825	0.0012	9.4177	2.4972	0.1055	-0.0191	2.5836
320	26.8	26.7	6.6308	2.7821	0.0011	9.4139	2.5129	0.109	-0.0195	2.6023
321	27.9	26.9	6.6281	2.782	0.001	9.411	2.5282	0.1155	-0.018	2.6257
322	27.4	27.2	6.6254	2.782	0.0011	9.4085	2.5501	0.1128	-0.0195	2.6435
323	27.5	27.4	6.6236	2.7824	0.0015	9.4075	2.5643	0.1045	-0.0177	2.6511
324	28.4	27.6	6.6215	2.7831	0.0016	9.4063	2.5999	0.0968	-0.0184	2.6783

325	28.5	27.8	6.6196	2.7837	0.0018	9.405	2.6197	0.0819	-0.02	2.6816
326	29.2	27.9	6.617	2.7831	0.0017	9.4019	2.6391	0.0834	-0.018	2.7045
327	27.3	28.1	6.6145	2.7835	0.0018	9.3998	2.6439	0.0825	-0.0192	2.7072
328	28.6	28.2	6.6123	2.7832	0.0018	9.3973	2.6527	0.0847	-0.0205	2.717
329	28.3	28.4	6.6104	2.783	0.002	9.3954	2.6518	0.0805	-0.0198	2.7125
330	28.7	28.5	6.6077	2.7835	0.0022	9.3935	2.655	0.0736	-0.0194	2.7092
331	29	28.5	6.6053	2.7835	0.0026	9.3913	2.6607	0.0765	-0.022	2.7152
332	28.8	28.5	6.6016	2.7832	0.0027	9.3876	2.68	0.0806	-0.0258	2.7348
333	27.9	28.6	6.5979	2.7834	0.0028	9.3841	2.7064	0.0824	-0.0321	2.7566
334	28.9	28.6	6.596	2.7832	0.0028	9.382	2.7328	0.0933	-0.0351	2.791
335	28.7	28.6	6.5942	2.7833	0.0026	9.3801	2.744	0.1021	-0.0368	2.8093
336	29.5	28.6	6.5919	2.7825	0.0024	9.3769	2.7663	0.0983	-0.0365	2.8281
337	28.6	28.7	6.5894	2.7816	0.0024	9.3734	2.7867	0.0841	-0.0365	2.8343
338	29.2	28.7	6.5865	2.7817	0.0026	9.3708	2.8197	0.0734	-0.0377	2.8554
339	28.9	28.7	6.5841	2.7814	0.0026	9.3681	2.8388	0.0681	-0.0391	2.8678
340	28.4	28.8	6.5816	2.7822	0.0028	9.3666	2.856	0.0516	-0.0442	2.8635
341	27.9	28.8	6.5789	2.7823	0.0031	9.3643	2.8829	0.0404	-0.0436	2.8798
342	28.7	28.9	6.5766	2.782	0.0033	9.3618	2.8968	0.0462	-0.0412	2.9017
343	28.8	29.1	6.5739	2.7818	0.0032	9.3589	2.9186	0.027	-0.0395	2.906
344	28.8	29.2	6.5713	2.7817	0.0033	9.3563	2.9351	0.0386	-0.0398	2.9338
345	28.4	29.3	6.5688	2.7815	0.0032	9.3534	2.9568	0.0371	-0.0368	2.957
346	29.8	29.4	6.5664	2.7815	0.0032	9.3511	2.9777	0.0303	-0.0321	2.9759
347	28	29.5	6.5623	2.7819	0.0032	9.3474	3.0038	0.0249	-0.0311	2.9976
348	28.6	29.6	6.5607	2.7823	0.0033	9.3463	3.016	0.0301	-0.0318	3.0143
349	30	29.8	6.5568	2.7816	0.0033	9.3417	3.0209	0.0264	-0.0309	3.0164
350	29.7	29.9	6.5547	2.7807	0.0034	9.3387	3.0284	0.0235	-0.0302	3.0217
351	30.5	30.1	6.5523	2.7805	0.0031	9.336	3.0532	0.0333	-0.0301	3.0563
352	30.9	30.2	6.5504	2.7805	0.0029	9.3339	3.0667	0.0321	-0.0281	3.0706
353	31.9	30.4	6.5484	2.7805	0.0029	9.3318	3.0873	0.0437	-0.0297	3.1013
354	31	30.6	6.5456	2.7803	0.003	9.3289	3.0859	0.0377	-0.0296	3.094
355	30.7	30.9	6.5419	2.78	0.0031	9.325	3.1064	0.0416	-0.0278	3.1202
356	30.6	31.1	6.5371	2.7796	0.0033	9.3199	3.1309	0.042	-0.0274	3.1455
357	31.3	31.4	6.5335	2.7791	0.0029	9.3156	3.1466	0.0583	-0.0295	3.1754
358	31.7	31.7	6.5288	2.7783	0.0027	9.3098	3.1747	0.0571	-0.0323	3.1995
359	31.6	31.9	6.5254	2.7784	0.0028	9.3066	3.1936	0.0588	-0.0363	3.2161
360	30.8	32.1	6.5202	2.7785	0.0023	9.301	3.2162	0.0577	-0.0408	3.2331
361	31.4	32.2	6.5154	2.7788	0.0022	9.2964	3.2475	0.0607	-0.0448	3.2634

362	31.8	32.5	6.5122	2.7791	0.002	9.2934	3.274	0.0651	-0.0475	3.2916
363	32.4	32.6	6.5089	2.7788	0.002	9.2897	3.2863	0.066	-0.0519	3.3004
364	33.5	32.8	6.5065	2.7779	0.0022	9.2865	3.3011	0.0649	-0.056	3.31
365	33.9	33.1	6.5039	2.7773	0.0021	9.2833	3.3267	0.0523	-0.0532	3.3257
366	33.9	33.3	6.5009	2.7771	0.0022	9.2802	3.3413	0.0651	-0.0549	3.3515
367	34.4	33.6	6.4977	2.7769	0.0025	9.2772	3.3686	0.0684	-0.0554	3.3816
368	33.9	33.9	6.4952	2.7767	0.0025	9.2744	3.3776	0.0657	-0.0559	3.3875
369	33.6	34.2	6.4923	2.7765	0.0026	9.2714	3.4117	0.0517	-0.0529	3.4105
370	33.3	34.6	6.4893	2.7754	0.0026	9.2673	3.4266	0.0507	-0.0487	3.4287
371	35.1	35	6.4849	2.7753	0.0028	9.263	3.4429	0.0534	-0.0509	3.4454
372	34.3	35.2	6.4812	2.7755	0.0027	9.2595	3.4689	0.0578	-0.0571	3.4695
373	35.7	35.5	6.4761	2.7759	0.0028	9.2548	3.4816	0.0576	-0.0606	3.4786
374	35.8	35.6	6.4723	2.776	0.0028	9.2511	3.5098	0.0589	-0.0562	3.5125
375	34.8	35.8	6.4685	2.7761	0.0028	9.2475	3.5363	0.0626	-0.053	3.5458
376	36.9	36	6.4658	2.776	0.003	9.2448	3.5493	0.0647	-0.0518	3.5622
377	36.3	36.2	6.4629	2.7758	0.0032	9.2419	3.5694	0.0601	-0.0553	3.5742
378	38.1	36.5	6.4598	2.7764	0.0032	9.2394	3.5992	0.065	-0.0587	3.6055
379	38.5	36.9	6.4568	2.7776	0.0031	9.2375	3.6166	0.0662	-0.0613	3.6216
380	37.9	37.3	6.4537	2.7776	0.0032	9.2345	3.6533	0.0667	-0.0598	3.6602
381	36.5	37.6	6.4499	2.7776	0.0034	9.2309	3.6723	0.0712	-0.0578	3.6858
382	37.9	38.1	6.4452	2.7773	0.0039	9.2265	3.6827	0.0751	-0.0558	3.702
383	36.1	38.4	6.4409	2.7767	0.0041	9.2216	3.6952	0.068	-0.0554	3.7078
384	37.9	38.7	6.4379	2.776	0.0043	9.2181	3.7033	0.0726	-0.052	3.7239
385	37.2	39.1	6.4336	2.7764	0.0044	9.2144	3.7208	0.0711	-0.0526	3.7393
386	38.5	39.4	6.4293	2.7772	0.0046	9.2111	3.7363	0.0739	-0.0509	3.7593
387	39.5	39.9	6.4247	2.7775	0.0048	9.207	3.7606	0.0696	-0.0514	3.7788
388	40.7	40.2	6.4209	2.7775	0.005	9.2035	3.7845	0.0666	-0.053	3.7981
389	41.1	40.5	6.417	2.7779	0.0057	9.2005	3.8056	0.0718	-0.05	3.8274
390	41.6	40.9	6.4125	2.7788	0.0057	9.197	3.8709	0.0646	-0.0512	3.8842
391	42.5	41.3	6.4093	2.7785	0.0057	9.1935	3.9095	0.0702	-0.0513	3.9283
392	41.7	41.7	6.4049	2.7802	0.0057	9.1908	3.9276	0.0726	-0.0504	3.9499
393	41.3	42.2	6.4012	2.7799	0.0059	9.1869	3.9736	0.075	-0.049	3.9996
394	42.1	42.6	6.3967	2.7804	0.0057	9.1828	4.0146	0.0769	-0.0514	4.0401
395	44	43	6.3934	2.7807	0.0056	9.1796	4.0648	0.0798	-0.0523	4.0923
396	44.4	43.5	6.3885	2.7808	0.0056	9.1749	4.0972	0.0794	-0.0509	4.1258
397	43.8	43.9	6.3847	2.7806	0.0055	9.1709	4.1185	0.0874	-0.0472	4.1587
398	44.6	44.2	6.3819	2.7806	0.0052	9.1677	4.1379	0.095	-0.047	4.1859

399	45.5	44.5	6.3788	2.7804	0.005	9.1641	4.1736	0.0992	-0.0464	4.2264
400	44.9	44.8	6.3739	2.7794	0.0048	9.1581	4.1936	0.0928	-0.0474	4.239
401	44.3	45.1	6.3698	2.7798	0.0046	9.1542	4.2351	0.0838	-0.048	4.2708
402	45.5	45.4	6.3655	2.7789	0.0049	9.1494	4.2757	0.083	-0.0527	4.306
403	46.6	45.7	6.3628	2.7797	0.005	9.1474	4.316	0.0893	-0.059	4.3463
404	45.1	46	6.3586	2.7796	0.0047	9.1429	4.3409	0.0901	-0.0614	4.3696
405	46.9	46.3	6.3528	2.779	0.0048	9.1366	4.38	0.0875	-0.0617	4.4058
406	46.7	46.5	6.3488	2.7782	0.0051	9.1321	4.3888	0.0833	-0.0589	4.4131
407	47.4	46.8	6.3436	2.7776	0.0053	9.1265	4.3711	0.0795	-0.0562	4.3944
408	47.5	47	6.3394	2.7775	0.0055	9.1223	4.3836	0.0776	-0.0585	4.4027
409	47.1	47.3	6.3354	2.7774	0.0056	9.1184	4.3965	0.0709	-0.0599	4.4075
410	47.5	47.5	6.3304	2.7772	0.006	9.1136	4.414	0.0698	-0.0579	4.426
411	47.2	47.8	6.3251	2.7772	0.0062	9.1085	4.4163	0.0775	-0.0659	4.4278
412	47.7	48.2	6.3216	2.777	0.0063	9.1049	4.4019	0.0924	-0.0732	4.4211
413	47.7	48.5	6.3176	2.7774	0.0065	9.1015	4.397	0.0963	-0.0759	4.4175
414	48.7	48.9	6.3134	2.7778	0.006	9.0973	4.394	0.0907	-0.0749	4.4098
415	49.2	49.2	6.3095	2.7774	0.0063	9.0931	4.4144	0.0798	-0.0735	4.4207
416	49.4	49.6	6.3055	2.7774	0.0065	9.0894	4.4199	0.0721	-0.0719	4.4202
417	48.4	49.9	6.3012	2.7773	0.0066	9.0852	4.42	0.0736	-0.0678	4.4259
418	50.3	50.1	6.2958	2.7775	0.0064	9.0797	4.4327	0.0795	-0.0662	4.4461
419	48.7	50.4	6.2914	2.7774	0.0061	9.0749	4.4668	0.0876	-0.0685	4.4859
420	49.8	50.7	6.2865	2.7768	0.0061	9.0694	4.4776	0.0832	-0.0711	4.4897
421	53.3	51.1	6.2812	2.7762	0.0067	9.0641	4.4926	0.0627	-0.0754	4.4799
422	52.3	51.4	6.2773	2.7762	0.0072	9.0606	4.4987	0.0542	-0.0746	4.4783
423	53.1	51.8	6.2726	2.7765	0.0071	9.0562	4.5217	0.0529	-0.0726	4.5019
424	52.8	52	6.2679	2.7769	0.0069	9.0517	4.5582	0.057	-0.0682	4.547
425	54.8	52.3	6.2646	2.7773	0.0069	9.0488	4.5835	0.0526	-0.0732	4.5628
426	52.9	52.6	6.2601	2.7771	0.0072	9.0445	4.6158	0.0485	-0.0867	4.5777
427	51.4	52.9	6.2546	2.777	0.0077	9.0393	4.6633	0.0367	-0.0826	4.6174
428	52.2	53.1	6.2507	2.7765	0.008	9.0351	4.6984	0.0346	-0.0792	4.6538
429	54	53.5	6.2451	2.7763	0.008	9.0294	4.7302	0.0371	-0.0786	4.6886
430	54.3	53.9	6.2405	2.7764	0.008	9.0249	4.7659	0.0525	-0.0819	4.7365
431	53.3	54.1	6.237	2.776	0.0082	9.0211	4.8013	0.0548	-0.0792	4.7768
432	54.9	54.3	6.2321	2.7764	0.0083	9.0168	4.8198	0.0491	-0.0745	4.7945
433	53.7	54.6	6.2276	2.7761	0.008	9.0117	4.845	0.0466	-0.0715	4.82
434	54.6	54.8	6.2239	2.7761	0.0081	9.0081	4.8512	0.0415	-0.0722	4.8205
435	55.2	55	6.2206	2.7759	0.0077	9.0042	4.8673	0.0373	-0.0737	4.8309

436	53.4	55.2	6.2159	2.7756	0.0076	8.999	4.878	0.0407	-0.0725	4.8462
437	54.5	55.6	6.211	2.775	0.0077	8.9936	4.8763	0.0582	-0.0694	4.8651
438	56.3	55.9	6.2059	2.7745	0.0076	8.988	4.8941	0.0619	-0.0688	4.8871
439	57.2	56.2	6.197	2.775	0.0077	8.9797	4.9172	0.0673	-0.0644	4.9201
440	56.5	56.5	6.1906	2.7752	0.0079	8.9738	4.9406	0.0713	-0.0617	4.9502
441	57.1	56.9	6.1862	2.775	0.0081	8.9694	4.9517	0.0802	-0.0623	4.9697
442	57.1	57.2	6.1792	2.7745	0.0082	8.9619	4.9853	0.0779	-0.063	5.0003
443	56.8	57.6	6.1724	2.7741	0.0084	8.9549	4.9979	0.0978	-0.0628	5.0328
444	58.5	57.8	6.1649	2.7737	0.0085	8.9471	4.9991	0.0912	-0.0607	5.0297
445	56.7	58.1	6.159	2.7736	0.0082	8.9409	4.956	0.1117	-0.0662	5.0015
446	59.3	58.4	6.1545	2.7728	0.0079	8.9352	4.7954	0.1336	-0.0715	4.8575
447	57.9	58.7	6.1486	2.7724	0.0079	8.9288	4.7706	0.1462	-0.073	4.8438
448	59.9	59	6.1433	2.7724	0.0079	8.9236	4.7876	0.1411	-0.0713	4.8573
449	61.4	59.3	6.1374	2.7723	0.0081	8.9178	4.8208	0.1343	-0.0702	4.8849
450	60.8	59.7	6.1312	2.7723	0.0082	8.9116	4.8486	0.1295	-0.0705	4.9076
451	60.5	60.1	6.1248	2.7722	0.0084	8.9054	4.8804	0.1266	-0.0739	4.9332
452	59.9	60.5	6.1189	2.7716	0.0088	8.8992	4.9108	0.1346	-0.0811	4.9642
453	59.1	60.9	6.1143	2.7715	0.009	8.8948	4.9197	0.1326	-0.0826	4.9696
454	61.2	61.2	6.1076	2.7715	0.0092	8.8883	4.953	0.1472	-0.0838	5.0165
455	59.2	61.5	6.103	2.7717	0.009	8.8837	4.9857	0.1419	-0.086	5.0416
456	59.8	61.6	6.1	2.7717	0.0089	8.8805	5	0.1272	-0.1097	5.0175
457	61.8	61.8	6.0952	2.7713	0.0088	8.8753	5.0166	0.1138	-0.1171	5.0133
458	63.3	61.8	6.0892	2.7712	0.0087	8.8691	5.0653	0.105	-0.118	5.0523
459	64.4	61.8	6.084	2.7714	0.0085	8.864	5.0617	0.1045	-0.1164	5.0499
460	64.9	61.9	6.0786	2.7707	0.0089	8.8582	5.0725	0.1018	-0.1152	5.0591
461	64	61.9	6.0753	2.7696	0.0095	8.8543	5.0983	0.1032	-0.114	5.0874
462	64	62	6.0725	2.7695	0.0096	8.8516	5.1033	0.1017	-0.1108	5.0943
463	64.2	62	6.0695	2.7697	0.0095	8.8487	5.1233	0.1077	-0.1101	5.1209
464	62.6	61.9	6.0651	2.7699	0.0095	8.8444	5.1423	0.1166	-0.1107	5.1482
465	61.1	62	6.0619	2.7701	0.0093	8.8413	5.1661	0.1186	-0.1151	5.1695
466	62.4	62.1	6.0589	2.7697	0.009	8.8376	5.1988	0.1173	-0.109	5.2071
467	60.5	62.1	6.0544	2.769	0.0091	8.8326	5.2346	0.1219	-0.1064	5.2501
468	61	61.9	6.0485	2.768	0.0094	8.8258	5.2725	0.1143	-0.1078	5.279
469	61.5	61.7	6.0446	2.7682	0.0097	8.8225	5.2838	0.1231	-0.1146	5.2922
470	62.2	61.6	6.04	2.7691	0.0102	8.8193	5.3109	0.1271	-0.1159	5.3221
471	60.5	61.6	6.0351	2.7699	0.0102	8.8152	5.3267	0.1213	-0.1141	5.3339
472	59.5	61.7	6.0291	2.7703	0.01	8.8093	5.3604	0.1144	-0.1149	5.3599

473	59.8	61.8	6.0203	2.7702	0.0097	8.8001	5.4456	0.1033	-0.1417	5.4073
474	60.9	62.1	6.014	2.7707	0.0101	8.7948	5.4744	0.1012	-0.1615	5.4141
475	61.3	62.5	6.0069	2.7713	0.0115	8.7897	5.4855	0.1119	-0.1645	5.4329
476	61.5	63.2	5.9994	2.7723	0.0113	8.783	5.5163	0.1131	-0.1616	5.4678
477	59.4	63.8	5.993	2.7724	0.0112	8.7766	5.5405	0.1049	-0.1577	5.4877
478	62	64.5	5.9868	2.7727	0.0111	8.7706	5.5674	0.107	-0.1533	5.5211
479	61.4	65.1	5.9802	2.7723	0.0113	8.7639	5.5989	0.1098	-0.1505	5.5583
480	65	65.7	5.9736	2.7721	0.0111	8.7568	5.6157	0.0974	-0.1541	5.5591
481	66.1	66.5	5.9679	2.7727	0.0109	8.7515	5.6296	0.1013	-0.1582	5.5728
482	65.8	67.2	5.9607	2.7726	0.0111	8.7445	5.6429	0.0949	-0.1593	5.5785
483	67.9	67.9	5.9557	2.7725	0.0113	8.7396	5.6687	0.102	-0.163	5.6078
484	69.9	68.5	5.9511	2.7722	0.0117	8.735	5.6707	0.0936	-0.1673	5.5969
485	74.1	69.1	5.9458	2.7723	0.0117	8.7298	5.6945	0.0927	-0.1663	5.6209
486	73.1	69.6	5.9417	2.7714	0.0115	8.7246	5.7206	0.0939	-0.1704	5.6441
487	74.1	70.3	5.9353	2.7713	0.0117	8.7183	5.7431	0.099	-0.1673	5.6748
488	71.9	70.8	5.9292	2.7708	0.0115	8.7115	5.7586	0.0906	-0.1669	5.6824
489	73.6	71.3	5.9229	2.7708	0.0118	8.7055	5.7848	0.0887	-0.1731	5.7005
490	75.4	71.7	5.9173	2.7708	0.0119	8.7	5.7594	0.1001	-0.1753	5.6841
491	73.2	72.1	5.9108	2.7707	0.012	8.6935	5.755	0.0934	-0.172	5.6764
492	73.4	72.6	5.9051	2.7704	0.012	8.6875	5.7737	0.0968	-0.1705	5.7
493	72.7	72.9	5.9013	2.7708	0.0119	8.684	5.7558	0.0955	-0.1682	5.6832
494	71.8	73.1	5.9012	2.7692	0.0123	8.6827	5.7538	0.0957	-0.1676	5.6818
495	71.5	73.1	5.9138	2.7673	0.0127	8.6939	5.742	0.0981	-0.1692	5.6709
496	72.2	73.1	5.9115	2.7661	0.0129	8.6905	5.7524	0.1067	-0.1731	5.686
497	72.3	73	5.906	2.7665	0.0127	8.6852	5.773	0.0996	-0.1755	5.6972
498	71.4	73.2	5.8998	2.7672	0.0123	8.6792	5.7806	0.1	-0.175	5.7056
499	72.2	73.2	5.8939	2.7674	0.012	8.6734	5.7997	0.1042	-0.1789	5.725
500	73.9	73.2	5.8859	2.7667	0.0122	8.6648	5.8051	0.108	-0.1811	5.7321
501	75.1	73.1	5.8788	2.7663	0.0127	8.6578	5.8146	0.1016	-0.1804	5.7359
502	73.6	73	5.8736	2.7657	0.0132	8.6524	5.8135	0.102	-0.1808	5.7347
503	73.7	73.1	5.8675	2.765	0.0133	8.6458	5.8127	0.0982	-0.1788	5.7322
504	73.8	73.1	5.86	2.7654	0.0133	8.6387	5.8465	0.1035	-0.1756	5.7744
505	73.2	73.2	5.8528	2.7663	0.0158	8.6349	5.8567	0.095	-0.1716	5.7801
506	73	73.3	5.8471	2.7669	0.0168	8.6308	5.8718	0.0917	-0.1754	5.788
507	74	73.2	5.8371	2.7671	0.0171	8.6213	5.8945	0.0874	-0.1767	5.8051
508	73.4	73.3	5.8332	2.767	0.0171	8.6173	5.9168	0.0908	-0.1775	5.8301
509	75.5	73.4	5.8282	2.7672	0.0172	8.6125	5.9276	0.1027	-0.179	5.8512

510	71.6	73.6	5.8205	2.7669	0.0174	8.6049	5.9321	0.1121	-0.1777	5.8666
511	71.5	73.4	5.8148	2.767	0.0173	8.5991	5.9459	0.102	-0.1733	5.8746
512	74.5	73.5	5.8093	2.7662	0.0173	8.5929	5.9817	0.0943	-0.168	5.908
513	73.1	73.7	5.8034	2.7658	0.0175	8.5867	6.017	0.103	-0.1708	5.9492
514	71.8	73.9	5.7968	2.766	0.0175	8.5803	6.0575	0.1015	-0.1697	5.9892
515	74.5	74	5.7896	2.7657	0.0172	8.5724	6.1113	0.0979	-0.1698	6.0394
516	70.2	74.3	5.782	2.7652	0.0172	8.5644	6.1456	0.0909	-0.1764	6.0601
517	74.6	74.5	5.774	2.7659	0.0174	8.5573	6.172	0.0958	-0.1795	6.0883
518	74.1	74.9	5.7674	2.7652	0.0179	8.5505	6.1853	0.0979	-0.1771	6.1061
519	76.4	74.9	5.7603	2.7647	0.0177	8.5427	6.1934	0.0861	-0.1744	6.1052
520	72.1	75.2	5.7538	2.7646	0.0176	8.536	6.2277	0.0872	-0.1715	6.1434
521	76.1	75.7	5.7451	2.7647	0.0182	8.5281	6.2569	0.0948	-0.1689	6.1828
522	76.2	76.1	5.7327	2.7659	0.0213	8.5199	6.2706	0.098	-0.1702	6.1984
523	77.9	76.7	5.7252	2.7664	0.0232	8.5148	6.269	0.1085	-0.174	6.2035
524	76.2	77.3	5.7194	2.7657	0.0233	8.5084	6.2569	0.1283	-0.1754	6.2098
525	77.8	77.6	5.713	2.7659	0.0231	8.502	6.2696	0.1226	-0.1749	6.2173
526	78.4	78.3	5.706	2.7666	0.023	8.4957	6.2894	0.1099	-0.1648	6.2345
527	81.4	78.7	5.6979	2.7663	0.023	8.4872	6.2842	0.1213	-0.1691	6.2364
528	75.3	79	5.6908	2.7656	0.023	8.4793	6.2798	0.1384	-0.17	6.2482
529	76.9	79.3	5.6835	2.7666	0.0234	8.4735	6.2688	0.1596	-0.1693	6.2591
530	80.3	80	5.6776	2.7662	0.0238	8.4676	6.2742	0.146	-0.1666	6.2536
531	82.2	80.3	5.6727	2.7665	0.0241	8.4633	6.2854	0.1399	-0.1681	6.2571
532	84.6	80.6	5.6652	2.7662	0.0246	8.4561	6.3084	0.1442	-0.1685	6.2841
533	83.3	80.9	5.6605	2.7667	0.0247	8.452	6.302	0.1468	-0.1686	6.2801
534	81.4	81.2	5.6545	2.7668	0.0247	8.446	6.3346	0.1506	-0.1684	6.3168
535	82.8	81.4	5.6486	2.7665	0.0247	8.4398	6.3456	0.1517	-0.1665	6.3307
536	82	81.5	5.6415	2.7657	0.0243	8.4315	6.3554	0.1608	-0.167	6.3493
537	79.7	81.4	5.6351	2.7659	0.0244	8.4254	6.3845	0.1588	-0.1692	6.3741
538	81.9	81.6	5.6275	2.7656	0.0249	8.418	6.3887	0.1584	-0.1689	6.3782
539	85	81.8	5.6211	2.765	0.0253	8.4113	6.3996	0.1445	-0.1729	6.3712
540	81.6	81.8	5.6151	2.7659	0.0251	8.4061	6.4142	0.1394	-0.1693	6.3843
541	83.5	81.9	5.6088	2.7654	0.0252	8.3994	6.4278	0.1379	-0.1677	6.398
542	83.2	81.8	5.6036	2.7649	0.025	8.3936	6.4144	0.1447	-0.1667	6.3923
543	81.6	81.7	5.597	2.7645	0.0252	8.3867	6.4259	0.1478	-0.1638	6.41
544	81	81.7	5.5907	2.7639	0.0254	8.38	6.4465	0.1854	-0.1637	6.4682
545	80.7	81.6	5.5838	2.7629	0.0256	8.3723	6.4889	0.1846	-0.1592	6.5143
546	79.3	81.7	5.5772	2.7628	0.0254	8.3655	6.6763	0.2016	-0.1516	6.7263

547	79.1	82	5.5705	2.7624	0.0254	8.3583	6.7215	0.2062	-0.1536	6.7742
548	81.2	82.1	5.5634	2.762	0.0258	8.3511	6.7334	0.225	-0.159	6.7994
549	80.8	82	5.5569	2.7615	0.0262	8.3446	6.7204	0.2411	-0.1627	6.7988
550	83.8	82.1	5.5497	2.7621	0.0262	8.338	6.7347	0.2465	-0.1668	6.8145
551	82.3	82	5.5434	2.762	0.0265	8.3319	6.7201	0.2556	-0.1664	6.8093
552	80.9	81.9	5.5376	2.7617	0.0267	8.326	6.708	0.2701	-0.1628	6.8152
553	81	81.9	5.5297	2.7611	0.0266	8.3174	6.7051	0.2928	-0.1581	6.8398
554	81.5	82	5.522	2.762	0.0264	8.3103	6.7202	0.2883	-0.1549	6.8536
555	84.4	82.1	5.5158	2.7625	0.0265	8.3049	6.7122	0.3024	-0.1542	6.8605
556	85.7	82.4	5.5105	2.7629	0.0266	8.3	6.7007	0.3171	-0.1308	6.887
557	82.9	82.6	5.5035	2.7622	0.0266	8.2923	6.7596	0.3019	-0.1185	6.9429
558	83.1	82.8	5.4964	2.7609	0.0266	8.284	6.6214	0.4118	-0.1168	6.9164
559	83.7	83.1	5.4908	2.7602	0.0263	8.2773	6.5908	0.4607	-0.1143	6.9372
560	82.1	83.2	5.484	2.7605	0.0262	8.2707	6.5833	0.4926	-0.1101	6.9658
561	80.7	83.3	5.4771	2.7601	0.0263	8.2635	6.5838	0.4949	-0.1064	6.9724
562	82.3	83.5	5.4708	2.7592	0.0267	8.2567	6.5511	0.544	-0.1078	6.9873
563	82.8	83.8	5.4638	2.7595	0.0265	8.2498	6.5056	0.6122	-0.109	7.0088
564	82.9	84.1	5.4539	2.7601	0.0265	8.2405	6.4552	0.6585	-0.1059	7.0078
565	84.7	84.4	5.4473	2.761	0.0269	8.2353	6.4125	0.7026	-0.1045	7.0106
566	83.4	84.5	5.4417	2.7602	0.027	8.2288	6.3239	0.8085	-0.1073	7.0251
567	84.5	84.7	5.4359	2.7592	0.0269	8.222	6.3006	0.8349	-0.1137	7.0218
568	86.7	85	5.4292	2.7594	0.0268	8.2153	6.2257	0.8875	-0.1091	7.004
569	84.4	85.4	5.4218	2.7595	0.0269	8.2081	6.1629	0.9598	-0.1013	7.0214
570	85.3	85.9	5.4144	2.7596	0.027	8.201	6.1517	0.9906	-0.1063	7.0361
571	85	86.4	5.408	2.7601	0.0273	8.1953	6.1298	1.0283	-0.1081	7.05
572	87	87.1	5.4022	2.7594	0.0274	8.189	6.0444	1.0939	-0.1009	7.0374
573	86.1	87.7	5.3946	2.7573	0.0272	8.1791	5.9444	1.156	-0.0713	7.0291
574	89.8	88.2	5.387	2.7585	0.0276	8.1731	5.9529	1.1547	-0.0551	7.0524
575	87.3	88.8	5.378	2.7603	0.028	8.1662	5.9447	1.1757	-0.0539	7.0666
576	87.5	89.2	5.371	2.7602	0.0282	8.1594	5.8489	1.2903	-0.0559	7.0833
577	89.6	89.6	5.365	2.7585	0.0282	8.1517	5.7763	1.3569	-0.057	7.0762
578	89.9	90	5.3599	2.7567	0.028	8.1447	5.844	1.2982	-0.0561	7.0861
579	91.6	90.5	5.3528	2.7578	0.028	8.1385	5.8516	1.2856	-0.059	7.0782
580	91.6	91	5.3451	2.7581	0.0279	8.1311	5.7437	1.4251	-0.0558	7.1129
581	95.5	91.6	5.3371	2.7582	0.0278	8.1231	5.6908	1.4928	-0.0506	7.133
582	93.5	92	5.3305	2.758	0.0279	8.1164	5.6306	1.5556	-0.0478	7.1384
583	92	92.4	5.3223	2.7574	0.0282	8.1079	5.6735	1.4933	-0.048	7.1188

584	95.7	92.7	5.3166	2.7571	0.0283	8.102	5.73	1.4726	-0.0503	7.1523
585	92.3	93.3	5.3102	2.7562	0.0284	8.0949	5.6619	1.5376	-0.0486	7.151
586	90.7	93.7	5.3033	2.7555	0.0284	8.0872	5.6767	1.5436	-0.0442	7.1761
587	94.4	94	5.2964	2.7555	0.0286	8.0805	5.6457	1.5854	-0.0439	7.1872
588	95.3	94.4	5.2892	2.7564	0.0288	8.0743	5.57	1.7059	-0.0396	7.2363
589	94.6	94.5	5.2815	2.7568	0.0288	8.0671	5.4842	1.7632	-0.0367	7.2107
590	95.5	94.5	5.2745	2.757	0.0287	8.0602	5.3973	1.8933	-0.0333	7.2573
591	95.5	94.5	5.2693	2.7562	0.0287	8.0543	5.3079	1.9725	-0.0322	7.2482
592	93.8	94.7	5.2625	2.7556	0.0284	8.0465	5.2604	2.0505	-0.033	7.2779
593	95.6	95.1	5.2566	2.7522	0.0283	8.0371	5.2536	2.0484	-0.0341	7.2679
594	98.7	95.2	5.2523	2.7508	0.0282	8.0312	5.2521	2.0662	-0.036	7.2823
595	94.9	95.5	5.2462	2.7471	0.0279	8.0212	5.3167	2.0139	-0.0384	7.2923
596	95.4	96	5.2393	2.7455	0.0283	8.0131	5.321	2.0067	-0.0358	7.2919
597	96.3	96.1	5.2326	2.744	0.0286	8.0053	5.272	2.1105	-0.0336	7.3489
598	93.3	96.2	5.2277	2.7431	0.0285	7.9993	5.1169	2.2073	-0.033	7.2912
599	93	96.4	5.2205	2.7428	0.0287	7.9919	4.9906	2.3225	-0.0287	7.2843
600	95.7	96.6	5.2139	2.7411	0.0288	7.9839	4.9539	2.3465	-0.0254	7.275
601	97	96.7	5.208	2.7393	0.029	7.9763	4.8433	2.475	-0.027	7.2913
602	98.3	96.9	5.2031	2.7364	0.029	7.9684	4.9362	2.4363	-0.026	7.3466
603	99.3	97.2	5.1954	2.7361	0.0288	7.9604	4.9589	2.3739	-0.0309	7.3018
604	97.1	97.2	5.1888	2.7352	0.0287	7.9527	4.86	2.4506	-0.0355	7.2751
605	99.6	97.4	5.1827	2.7346	0.0289	7.9462	4.8103	2.5046	-0.0379	7.277
606	97.4	97.5	5.1711	2.7367	0.0287	7.9365	4.7677	2.5938	-0.0347	7.3267
607	97	97.8	5.175	2.7259	0.0288	7.9297	4.6466	2.7356	-0.0301	7.3521
608	98.2	98.1	5.1741	2.7209	0.0285	7.9236	4.5218	2.8335	-0.0278	7.3275
609	100	98.4	5.1698	2.718	0.0282	7.916	4.515	2.8279	-0.0263	7.3167
610	96.4	98.6	5.1622	2.7174	0.0281	7.9077	4.4659	2.9103	-0.0297	7.3465
611	98.8	98.6	5.1597	2.7126	0.028	7.9003	6.0964	1.8322	-0.0292	7.8993
612	100	98.5	5.1587	2.705	0.0282	7.892	6.5439	0.8345	-0.0271	7.3513
613	98.2	98.4	5.1579	2.6999	0.0281	7.8859	6.1469	1.2859	-0.0233	7.4095
614	98.8	98.4	5.1556	2.6957	0.028	7.8793	5.8228	1.576	-0.0279	7.3709
615	98.5	98.5	5.1572	2.6848	0.0279	7.8699	5.6023	1.8181	-0.0283	7.392
616	101	98.7	5.152	2.6817	0.0285	7.8622	5.4769	1.9154	-0.0271	7.3651
617	99.3	98.9	5.1514	2.6772	0.0283	7.8569	5.2679	2.1175	-0.0293	7.3561
618	97.7	98.7	5.1511	2.6692	0.028	7.8484	5.1855	2.2017	-0.0336	7.3536
619	100	98.5	5.1451	2.6656	0.0283	7.8391	5.2346	2.1683	-0.033	7.3699
620	96.6	98.7	5.1408	2.6618	0.0284	7.831	5.2708	2.0976	-0.0291	7.3392

621	97.1	98.6	5.1407	2.6553	0.0283	7.8243	5.4601	1.921	-0.0274	7.3536
622	96.9	98.4	5.1383	2.6503	0.0285	7.817	5.5646	1.8855	-0.0273	7.4228
623	98.1	98.3	5.1299	2.6509	0.0288	7.8096	5.6956	1.7473	-0.0301	7.4129
624	101	98.3	5.1249	2.6481	0.0287	7.8017	6.0142	1.3793	-0.032	7.3615
625	101	98.5	5.1281	2.6369	0.0287	7.7937	5.7042	1.6752	-0.0282	7.3512
626	100	98.4	5.1284	2.631	0.0287	7.7881	5.6346	1.767	-0.0262	7.3754
627	96.1	98.4	5.1135	2.6365	0.0286	7.7785	5.5136	1.9017	-0.0238	7.3915
628	96.1	98.6	5.1056	2.637	0.0289	7.7715	5.405	2.0163	-0.0249	7.3965
629	98.8	98.6	5.1091	2.6241	0.029	7.7622	5.2753	2.1273	-0.0265	7.376
630	98.1	98.9	5.1085	2.617	0.0289	7.7543	5.1596	2.2612	-0.0262	7.3946
631	95.3	98.8	5.1096	2.6109	0.0289	7.7495	5.0344	2.3629	-0.0256	7.3716
632	96.2	99	5.0979	2.6169	0.0294	7.7442	4.7441	2.6485	-0.03	7.3627
633	99.4	99.1	5.0875	2.6195	0.0298	7.7367	4.6891	2.6849	-0.0313	7.3428
634	102	99	5.0883	2.6131	0.0295	7.7309	4.6989	2.697	-0.03	7.3659
635	99.9	98.8	5.0809	2.6122	0.0291	7.7222	4.5721	2.8154	-0.0216	7.3659
636	99.9	98.7	5.077	2.6071	0.0287	7.7128	4.7678	2.6111	-0.0182	7.3607
637	101	98.9	5.0781	2.5953	0.0283	7.7018	4.5545	2.8027	-0.0188	7.3383
638	100	99.1	5.079	2.5893	0.0286	7.6969	4.4875	2.8857	-0.0167	7.3565
639	101	99.1	5.0813	2.5756	0.0286	7.6856	4.4188	2.9741	-0.0159	7.377
640	96.5	99.2	5.0844	2.5686	0.0283	7.6813	4.3522	3.0334	-0.0226	7.3629
641	101	99.5	5.0828	2.5603	0.0285	7.6716	4.5644	2.832	-0.0246	7.3717
642	99.7	99.7	5.0782	2.5601	0.0284	7.6668	4.8219	2.5681	-0.0236	7.3663
643	99.2	99.5	5.0718	2.5579	0.0288	7.6585	4.7792	2.6103	-0.0278	7.3618
644	95.7	99.1	5.059	2.5625	0.0292	7.6507	4.7225	2.6559	-0.0316	7.3468
645	98.7	98.9	5.0517	2.5622	0.0291	7.6431	4.5571	2.8047	-0.032	7.3298
646	99.4	98.8	5.05	2.5517	0.0288	7.6306	4.6335	2.7147	-0.0359	7.3123
647	101	98.7	5.0588	2.5416	0.0287	7.6291	4.4944	2.8943	-0.0331	7.3556
648	98.3	98.6	5.0643	2.5297	0.0287	7.6227	4.3738	2.9419	-0.0272	7.2884
649	101	98.4	5.0615	2.5269	0.0287	7.6171	4.3316	3.0251	-0.0305	7.3262
650	100	98.3	5.0654	2.5146	0.0289	7.6089	4.413	2.9645	-0.0364	7.3411
651	99	98.2	5.0498	2.5184	0.0291	7.5973	4.5195	2.8239	-0.0385	7.3049
652	95.9	97.9	5.0417	2.5244	0.0298	7.5958	4.5105	2.8248	-0.0406	7.2946
653	95.4	97.7	5.0437	2.5161	0.0301	7.5899	4.4503	2.8725	-0.0403	7.2825
654	96.1	97.7	5.0409	2.5115	0.0301	7.5826	4.4225	2.8645	-0.0415	7.2455
655	97.6	97.6	5.039	2.5032	0.03	7.5722	4.5189	2.7445	-0.0436	7.2198
656	99	97.6	5.0459	2.4894	0.0296	7.5648	4.4442	2.8138	-0.0404	7.2176
657	98.3	97.6	5.0513	2.4789	0.0293	7.5595	4.462	2.7671	-0.039	7.1901

658	96.9	97.7	5.0449	2.4782	0.0292	7.5523	4.4705	2.7467	-0.0372	7.1801
659	95.9	97.6	5.0442	2.4692	0.0293	7.5427	4.4735	2.7523	-0.0403	7.1855
660	97.3	97.5	4.8744	2.5773	0.0291	7.4808	4.4789	2.7401	-0.0457	7.1732
661	94.1	97.3	4.8227	2.6767	0.029	7.5284	4.68	2.5229	-0.0461	7.1568
662	95.9	97.3	4.8561	2.6306	0.029	7.5157	5.0963	2.104	-0.048	7.1523
663	95.2	97.3	4.8815	2.6019	0.0293	7.5127	4.7866	2.3803	-0.0469	7.12
664	97.8	97.4	4.8937	2.5783	0.0293	7.5013	4.4973	2.6793	-0.0486	7.128
665	98.7	97.4	4.8996	2.5695	0.0296	7.4988	4.4653	2.7172	-0.0486	7.134
666	101	97.2	4.9149	2.5484	0.0299	7.4932	4.2217	2.9622	-0.0472	7.1367
667	100	97.2	4.9174	2.539	0.0302	7.4866	3.909	3.2313	-0.0405	7.0997
668	98.7	97.1	4.9057	2.5425	0.0301	7.4783	3.7662	3.3591	-0.0451	7.0802
669	98.8	96.9	4.8947	2.5497	0.0298	7.4742	3.7708	3.3666	-0.0492	7.0882
670	95.1	96.8	4.8684	2.5675	0.0298	7.4657	3.6943	3.3802	-0.0414	7.033
671	95.7	97	4.8515	2.5715	0.03	7.4531	3.7965	3.3045	-0.039	7.062
672	95.6	96.8	4.8326	2.5847	0.0304	7.4477	4.6325	2.4204	-0.0405	7.0125
673	98.5	96.7	4.7932	2.6194	0.0304	7.443	5.3258	1.7141	-0.0421	6.9978
674	97.1	96.5	4.8166	2.5909	0.0304	7.438	5.2764	1.7433	-0.0421	6.9777
675	95.8	96.2	4.8145	2.5836	0.0306	7.4287	5.2564	1.7629	-0.0442	6.9751
676	98.1	95.8	4.8197	2.57	0.0306	7.4202	5.1413	1.9093	-0.043	7.0076
677	94.7	95.4	4.8245	2.5569	0.0307	7.4121	5.0895	1.9141	-0.0412	6.9624
678	92.7	95.2	4.8324	2.544	0.0307	7.4071	4.986	1.9376	-0.0402	6.8834
679	95	95	4.8369	2.5316	0.0306	7.3991	4.8524	2.0965	-0.0389	6.91
680	97.3	95	4.8416	2.5218	0.0305	7.394	4.7356	2.1457	-0.0351	6.8462
681	93.8	94.9	4.8627	2.4934	0.0307	7.3868	4.6685	2.2005	-0.0363	6.8326
682	92.7	94.9	4.8616	2.4895	0.0311	7.3822	4.7397	2.1562	-0.0472	6.8487
683	93.8	94.8	4.8524	2.4877	0.0312	7.3713	4.5671	2.3674	-0.081	6.8535
684	93.4	94.6	4.8594	2.4755	0.0305	7.3654	4.3629	2.5506	-0.0809	6.8326
685	93	94.6	4.8335	2.4951	0.0302	7.3588	4.5646	2.3659	-0.0851	6.8454
686	93	94.3	4.8478	2.4753	0.0303	7.3534	4.7131	2.1765	-0.0877	6.8018
687	94.3	94.4	4.8477	2.4669	0.0302	7.3448	4.6696	2.1833	-0.0919	6.761
688	94.9	94.3	4.8473	2.4589	0.0304	7.3366	4.6611	2.1121	-0.097	6.6762
689	95	94.3	4.8463	2.4535	0.031	7.3308	4.635	2.1493	-0.0944	6.6899
690	95.1	94.2	4.8181	2.4738	0.0312	7.323	4.6262	2.103	-0.0931	6.6361
691	95.8	94.2	4.7872	2.4994	0.031	7.3176	4.6284	2.0985	-0.0968	6.6302
692	95.9	94.3	4.7846	2.4946	0.0312	7.3103	4.6479	2.0578	-0.0938	6.6119
693	93.6	94.3	4.7844	2.4866	0.0315	7.3025	4.5999	2.0773	-0.0905	6.5867
694	94.6	94.5	4.7966	2.4703	0.0314	7.2982	4.5264	2.1652	-0.0856	6.606

695	93.9	94.4	4.7828	2.4757	0.0315	7.29	4.5651	2.1403	-0.0789	6.6265
696	95.4	94.3	4.7899	2.4561	0.0316	7.2775	4.5578	2.0836	-0.0797	6.5617
697	91.6	94.2	4.7953	2.4498	0.0313	7.2764	4.4646	2.1069	-0.0825	6.489
698	94.5	93.9	4.7946	2.4405	0.0316	7.2667	4.4977	2.0923	-0.0827	6.5073
699	95.3	93.6	4.7791	2.4463	0.0323	7.2578	4.6421	1.9519	-0.0828	6.5112
700	94.2	93.1	4.7619	2.4587	0.0327	7.2534	4.7057	1.8838	-0.0838	6.5057
701	93.8	92.8	4.7569	2.4568	0.0331	7.2468	5.0458	1.5175	-0.0829	6.4804
702	95.1	92.4	4.758	2.4491	0.033	7.2402	5.0047	1.4826	-0.0811	6.4062
703	96	92.1	4.7532	2.4497	0.033	7.2359	4.9136	1.6233	-0.074	6.4629
704	90.8	91.9	4.7369	2.4607	0.0331	7.2307	5.1452	1.3824	-0.0704	6.4572
705	92.9	91.7	4.7383	2.4532	0.0329	7.2244	5.1514	1.3501	-0.0719	6.4297
706	91.1	91.1	4.7249	2.46	0.0326	7.2175	5.1172	1.334	-0.0747	6.3765
707	90.1	91	4.7279	2.4512	0.0325	7.2117	5.2472	1.1852	-0.0799	6.3525
708	88.8	90.6	4.7268	2.4457	0.0326	7.2051	5.2476	1.1997	-0.0817	6.3657
709	85.8	90.4	4.7219	2.444	0.0327	7.1986	5.1428	1.2873	-0.0846	6.3455
710	89.8	90	4.6942	2.4651	0.0327	7.192	5.1115	1.3001	-0.0873	6.3243
711	88.6	89.7	4.65	2.5022	0.0328	7.1851	3.4333	2.3934	-0.089	5.7376
712	87.8	89.3	4.6801	2.467	0.0329	7.18	2.984	3.3701	-0.09	6.2641
713	89.8	88.8	4.7081	2.432	0.033	7.1731	3.3359	2.9258	-0.0877	6.1741
714	89.9	88.4	4.709	2.424	0.0329	7.1659	3.4193	2.8758	-0.0858	6.2093
715	85.3	88	4.735	2.3886	0.0326	7.1563	3.447	2.8133	-0.0815	6.1789
716	89.5	87.6	4.7611	2.3586	0.0326	7.1522	3.4805	2.7875	-0.0769	6.1911
717	87.5	87.3	4.7748	2.3413	0.0328	7.1489	3.7577	2.5043	-0.0736	6.1884
718	90.6	87.2	4.7741	2.3326	0.033	7.1396	3.9248	2.3398	-0.0669	6.1976
719	87.1	87.2	4.7757	2.3276	0.0325	7.1358	4.023	2.202	-0.0664	6.1585
720	87	86.9	4.7612	2.3314	0.0323	7.1248	3.9856	2.2262	-0.0699	6.142
721	88.4	86.6	4.6775	2.4133	0.0323	7.1231	3.7994	2.3752	-0.0731	6.1015
722	85.9	86.4	4.6057	2.4789	0.0327	7.1172	3.5959	2.5082	-0.0738	6.0304
723	84.5	86.1	4.6022	2.4766	0.033	7.1118	3.4482	2.6472	-0.0709	6.0245
724	85.4	85.8	4.5992	2.4718	0.0332	7.1042	3.1272	2.984	-0.071	6.0402
725	83.3	85.8	4.614	2.446	0.033	7.093	4.0979	1.9967	-0.0714	6.0232
726	83.5	85.5	4.6195	2.4395	0.0328	7.0918	4.2521	1.8147	-0.0683	5.9985
727	87.3	85.1	4.6149	2.4427	0.0326	7.0902	4.4445	1.5923	-0.0682	5.9685
728	86.4	84.6	4.6204	2.4274	0.0328	7.0805	4.8034	1.2116	-0.0668	5.9482
729	83.4	84.3	4.6356	2.4095	0.0325	7.0776	4.9545	1.0571	-0.065	5.9466
730	83.2	83.9	4.6416	2.3969	0.0325	7.071	5.1276	0.8578	-0.0653	5.9201
731	84	83.5	4.6357	2.3953	0.0336	7.0646	5.3134	0.6893	-0.0666	5.9361

732	84.2	83.2	4.6412	2.3802	0.0375	7.0588	5.4853	0.5004	-0.0645	5.9212
733	84.3	82.9	4.6512	2.3644	0.0379	7.0535	5.6466	0.3349	-0.0612	5.9202
734	84.3	82.5	4.6318	2.3765	0.0381	7.0463	5.7856	0.1637	-0.0584	5.8909
735	83.5	82.3	4.6096	2.3945	0.0379	7.042	5.8667	0.0794	-0.0616	5.8845
736	81.5	82	4.61	2.3888	0.0379	7.0367	5.6856	0.2314	-0.063	5.854
737	80.2	81.5	4.612	2.3841	0.038	7.0341	5.9238	0.0065	-0.0648	5.8655
738	81.2	81.1	4.6155	2.3744	0.038	7.0279	5.9306	-0.0369	-0.0635	5.8302
739	79	80.8	4.6187	2.3653	0.0379	7.022	5.9473	-0.0782	-0.0613	5.8078
740	80.8	80.5	4.6215	2.3588	0.038	7.0183	6.0627	-0.2093	-0.0532	5.8002
741	80.2	80.4	4.618	2.3545	0.0379	7.0104	5.9783	-0.1338	-0.0487	5.7957
742	79.9	80.2	4.6183	2.3524	0.0375	7.0081	5.6939	0.143	-0.0503	5.7866
743	78.2	79.9	4.6192	2.3414	0.0373	6.9979	5.7103	0.1014	-0.0501	5.7616
744	78.9	79.6	4.6025	2.3485	0.0371	6.9881	5.7219	0.058	-0.0488	5.7311
745	78	79.4	4.5959	2.3539	0.0371	6.9869	5.8939	-0.1136	-0.0483	5.732
746	77.6	79.2	4.6036	2.3411	0.0371	6.9817	5.8031	-0.056	-0.0451	5.702
747	78.4	79.1	4.609	2.3324	0.037	6.9784	6.7575	-1.1038	-0.0474	5.6064
748	78	78.9	4.6001	2.3345	0.037	6.9716	6.8481	-1.1443	-0.05	5.6538
749	77.4	78.9	4.591	2.3385	0.0371	6.9665	6.8127	-1.1666	-0.0467	5.5994
750	81	78.9	4.5608	2.3629	0.0372	6.9608	6.6052	-1.011	-0.0381	5.5561
751	80.5	78.8	4.5493	2.3701	0.0372	6.9566	6.5651	-0.9648	-0.0391	5.5612
752	79.7	78.8	4.5503	2.362	0.0372	6.9495	6.5239	-0.9505	-0.0377	5.5356
753	78.6	78.8	4.5292	2.3778	0.0371	6.9441	6.559	-1.0099	-0.0384	5.5107
754	78.4	78.8	4.5258	2.3765	0.0373	6.9397	6.6546	-1.0855	-0.0383	5.5309
755	78.1	78.9	4.5273	2.3698	0.0375	6.9345	6.68	-1.1319	-0.0386	5.5096
756	78	78.9	4.5211	2.3708	0.0376	6.9295	6.821	-1.3031	-0.04	5.4778
757	79.1	78.8	4.5266	2.3589	0.0375	6.923	6.662	-1.1563	-0.0456	5.46
758	79.2	78.9	4.5306	2.3494	0.0377	6.9177	6.7642	-1.2672	-0.0422	5.4549
759	79.6	79	4.5331	2.3392	0.038	6.9102	6.889	-1.3959	-0.0384	5.4546
760	78.8	78.9	4.5311	2.338	0.038	6.907	6.7046	-1.226	-0.0367	5.4419
761	78.9	78.8	4.5243	2.3397	0.038	6.902	6.3566	-0.8866	-0.0371	5.4329
762	79.1	78.7	4.5225	2.338	0.0378	6.8983	5.9488	-0.5184	-0.0316	5.3988
763	78.7	78.6	4.5396	2.3144	0.0379	6.8918	6.2791	-0.8351	-0.0302	5.4138
764	79.7	78.7	4.549	2.297	0.0375	6.8834	6.5484	-1.127	-0.0279	5.3936
765	77.6	78.7	4.5516	2.2907	0.0373	6.8796	6.5928	-1.2283	-0.0284	5.3361
766	77.7	78.7	4.5391	2.298	0.0373	6.8743	6.9163	-1.5986	-0.0299	5.2877
767	79.9	78.5	4.5249	2.305	0.0369	6.8668	7.2201	-1.8781	-0.03	5.3121
768	78.8	78.3	4.5034	2.3223	0.0367	6.8625	7.2467	-1.8748	-0.0254	5.3465

769	77.8	78.2	4.4962	2.3271	0.0368	6.86	7.2072	-1.8974	-0.0244	5.2854
770	79.1	78.2	4.4884	2.33	0.0371	6.8555	7.2761	-1.9313	-0.0284	5.3164
771	77.6	78.1	4.4919	2.3207	0.0374	6.85	7.1158	-1.8468	-0.0303	5.2388
772	77.9	78	4.4878	2.3199	0.0375	6.8452	6.3075	-1.0071	-0.0302	5.2702
773	80.2	77.9	4.4805	2.321	0.0375	6.839	5.5889	-0.2902	-0.0282	5.2705
774	78.5	77.8	4.4068	2.3913	0.0376	6.8356	5.5641	-0.256	-0.0253	5.2828
775	76.7	77.7	4.3893	2.4021	0.0374	6.8288	5.6445	-0.3726	-0.0245	5.2473
776	75.4	77.7	4.3752	2.4108	0.0374	6.8234	5.9086	-0.7049	-0.0218	5.1819
777	75.8	77.5	4.3442	2.4357	0.0373	6.8173	6.0279	-0.7713	-0.0218	5.2348
778	78	77.4	4.337	2.4383	0.0372	6.8124	6.0964	-0.82	-0.0259	5.2506
779	77.7	77.4	4.3241	2.4458	0.0371	6.8071	6.1252	-0.9131	-0.0251	5.1869
780	78.1	77.1	4.3103	2.4529	0.0372	6.8004	6.3176	-1.0709	-0.0271	5.2196
781	77	77.1	4.3141	2.4434	0.0372	6.7947	6.395	-1.1519	-0.0269	5.2162
782	76	77	4.2969	2.456	0.0372	6.7901	6.3433	-1.169	-0.017	5.1573
783	77.7	76.7	4.2738	2.4714	0.037	6.7822	6.5591	-1.4204	0.0214	5.1601
784	75.9	76.5	4.2727	2.4676	0.0366	6.7769	6.8785	-1.7387	0.0218	5.1616
785	77.5	76.3	4.2649	2.472	0.0365	6.7734	6.7666	-1.6763	0.0205	5.1109
786	77.7	76.2	4.2554	2.4746	0.0368	6.7668	6.6807	-1.593	0.016	5.1037
787	76.2	76.2	4.2546	2.4706	0.0366	6.7618	6.8222	-1.7409	0.0147	5.0959
788	76.9	76.1	4.2526	2.4668	0.0365	6.7559	6.9036	-1.8052	0.0165	5.1149
789	74.6	76.1	4.24	2.4744	0.0363	6.7508	7.0211	-1.9449	0.0162	5.0924
790	76.4	76	4.2202	2.4872	0.0361	6.7435	7.0601	-2.0075	0.0151	5.0677
791	76.4	75.9	4.2178	2.4851	0.0361	6.739	7.0895	-2.0191	0.016	5.0864
792	74.9	76	4.2136	2.4844	0.0362	6.7342	7.0808	-2.05	0.0155	5.0463
793	74	75.9	4.2122	2.4808	0.0363	6.7294	7.11	-2.0607	0.0108	5.0601
794	73.6	75.9	4.2072	2.4817	0.0362	6.7251	7.2449	-2.2466	0.0102	5.0085
795	73.6	75.8	4.2025	2.4813	0.036	6.7198	7.0394	-2.0906	0.0097	4.9585
796	76.1	75.7	4.1141	2.5665	0.0363	6.7169	7.1103	-2.1168	0.0111	5.0045
797	76.1	75.5	4.1105	2.5643	0.0363	6.711	7.2179	-2.2286	0.0112	5.0004
798	77.1	75.5	4.1133	2.5572	0.0362	6.7068	7.3128	-2.3076	0.0109	5.0161
799	76.1	75.6	4.1186	2.5474	0.0361	6.7022	7.3536	-2.3555	0.0102	5.0083
800	76.1	75.6	4.1054	2.5552	0.0366	6.6972	7.336	-2.3513	0.0129	4.9976
801	76.8	75.6	4.1045	2.5519	0.0368	6.6933	7.035	-2.0751	0.0125	4.9724
802	75.4	75.6	4.1021	2.5501	0.0368	6.6891	6.9459	-1.9932	0.011	4.9637
803	76	75.8	4.0877	2.5582	0.0368	6.6828	7.0027	-2.0692	0.0132	4.9467
804	76.3	75.9	4.0689	2.5739	0.0369	6.6797	6.8549	-1.901	0.0117	4.9655
805	75	75.9	4.0562	2.5836	0.0369	6.6766	7.0126	-2.0794	0.0124	4.9455

806	73	75.8	4.0588	2.5756	0.0372	6.6715	7.0622	-2.1777	0.0128	4.8972
807	77.3	75.8	4.0515	2.578	0.0367	6.6662	7.0117	-2.1328	0.0165	4.8953
808	76.5	75.8	4.0379	2.5853	0.0364	6.6596	7.1702	-2.3084	0.0154	4.8772
809	76.5	75.8	4.0515	2.5666	0.0364	6.6544	7.2252	-2.3785	0.0194	4.8661
810	75.7	75.9	4.0585	2.5538	0.0364	6.6487	7.3533	-2.5209	0.0234	4.8558
811	75.4	75.9	4.0552	2.5541	0.036	6.6452	7.4701	-2.5954	0.0226	4.8973
812	77.1	75.9	4.0522	2.5505	0.0359	6.6386	7.485	-2.6149	0.0244	4.8945
813	75.4	75.9	4.0533	2.5447	0.0358	6.6337	7.496	-2.6095	0.024	4.9105
814	73.6	75.9	4.0498	2.5468	0.0357	6.6323	7.7033	-2.8313	0.0246	4.8966
815	75.6	76	4.0434	2.5485	0.0356	6.6275	7.7881	-2.9693	0.018	4.8368
816	75.8	76.2	4.0391	2.5464	0.0356	6.621	7.7754	-2.9542	0.01	4.8313
817	76	76.1	4.0501	2.5287	0.0353	6.6142	7.6636	-2.8616	0.0075	4.8095
818	75.7	76	4.0533	2.5223	0.0354	6.611	7.5955	-2.8546	0.0041	4.7449
819	78.2	75.9	4.0481	2.5207	0.0353	6.6041	7.4699	-2.7296	0.0025	4.7428
820	77.3	75.8	4.0496	2.5161	0.0353	6.6009	7.4027	-2.6364	0.0059	4.7722
821	75.3	75.5	4.0467	2.514	0.0354	6.5961	7.5118	-2.7065	0.0123	4.8175
822	76.3	75.2	4.0468	2.5079	0.0355	6.5902	7.2204	-2.4269	0.0164	4.8098
823	76.1	75.1	4.0458	2.5022	0.0355	6.5835	7.1713	-2.4121	0.0179	4.7771
824	76.7	75.1	4.0348	2.5091	0.0356	6.5795	7.1648	-2.4153	0.0208	4.7704
825	76.5	74.9	4.0231	2.5165	0.0352	6.5748	6.4476	-1.6802	0.0228	4.7903
826	75.6	74.6	4.0167	2.5167	0.035	6.5684	6.3125	-1.5682	0.0216	4.7658
827	75.1	74.4	4.0052	2.5247	0.0352	6.5651	6.2184	-1.4984	0.0206	4.7406
828	74.7	74.3	4.0078	2.5187	0.0353	6.5618	6.0892	-1.3703	0.0186	4.7374
829	73	74.1	4.0038	2.5166	0.0352	6.5556	6.051	-1.3543	0.0192	4.716
830	71.2	74	4.0021	2.5121	0.0352	6.5494	5.9706	-1.2812	0.0228	4.7122
831	71.6	73.9	4.0013	2.5122	0.0353	6.5489	5.7719	-1.14	0.0224	4.6543
832	73.3	73.7	3.9853	2.5222	0.0353	6.5428	5.8681	-1.2432	0.0168	4.6416
833	72.4	73.7	3.9634	2.5383	0.0357	6.5373	5.7225	-1.1391	0.0136	4.597
834	72.4	73.7	3.9551	2.5441	0.036	6.5352	5.4859	-0.9285	0.0066	4.5641
835	70.3	73.6	3.9415	2.5538	0.0363	6.5316	5.4205	-0.8829	0.0039	4.5415
836	71.3	73.4	3.9278	2.5629	0.0364	6.5271	5.3565	-0.8264	0.0055	4.5356
837	73.7	73.3	3.9216	2.5646	0.0364	6.5227	5.3009	-0.809	0.0103	4.5022
838	75.3	73.3	3.9134	2.5689	0.0364	6.5187	5.3298	-0.8451	0.0076	4.4922
839	75	73.4	3.9127	2.5661	0.0364	6.5152	5.408	-0.9331	0.006	4.4809
840	72.9	73.6	3.9126	2.5607	0.0364	6.5097	5.3694	-0.9101	0.0052	4.4644
841	73.9	73.8	3.9099	2.5595	0.0363	6.5057	5.1856	-0.7419	0.0025	4.4462
842	76	73.9	3.9073	2.5584	0.0364	6.5021	5.1367	-0.6943	0.0035	4.446

843	75.7	74	3.8947	2.5661	0.0363	6.4971	5.1342	-0.7347	0.0087	4.4082
844	74.8	74.2	3.8986	2.5575	0.0362	6.4922	5.2978	-0.917	0.0112	4.392
845	72.6	74.3	3.8849	2.5656	0.036	6.4865	5.3059	-0.9441	0.0077	4.3695
846	71.8	74.3	3.8818	2.5639	0.0359	6.4816	5.4472	-1.1025	0.0032	4.3478
847	75.2	74.2	3.8778	2.5632	0.0359	6.4768	4.8538	-0.5013	0.0064	4.3589
848	76	74	3.8647	2.5701	0.036	6.4708	4.7867	-0.467	0.007	4.3267
849	74.8	73.8	3.8574	2.5736	0.0358	6.4668	4.7855	-0.4625	0.0065	4.3294
850	75.8	73.6	3.8573	2.5704	0.0359	6.4636	5.1171	-0.8002	0.0041	4.321
851	74.8	73.4	3.8547	2.5694	0.0361	6.4603	5.1024	-0.8057	0.0066	4.3033
852	74.1	73.2	3.8501	2.5689	0.0359	6.4549	5.0714	-0.789	0.0101	4.2925
853	75.2	72.9	3.8437	2.5679	0.036	6.4476	4.9712	-0.6877	0.0121	4.2955
854	72.7	72.6	3.8245	2.5845	0.0361	6.4451	4.915	-0.6512	0.0145	4.2783
855	70.6	72.5	3.8211	2.5875	0.0362	6.4448	4.4528	-0.1623	0.0118	4.3023
856	73.2	72.3	3.82	2.5841	0.0359	6.44	4.7525	-0.356	0.0062	4.4027
857	70.8	72.2	3.8095	2.5897	0.036	6.4352	4.7466	-0.4814	0.0088	4.274
858	70.5	71.8	3.8081	2.5873	0.0357	6.4311	4.6291	-0.3754	0.0071	4.2608
859	69.4	71.6	3.7977	2.5913	0.0357	6.4247	4.4834	-0.2576	0.007	4.2327
860	71.3	71.3	3.7841	2.5975	0.0358	6.4173	4.6264	-0.4127	0.0038	4.2175
861	71.2	71.1	3.7758	2.6012	0.0356	6.4125	4.6571	-0.4732	0.0024	4.1863
862	70.6	70.9	3.7729	2.599	0.0354	6.4073	4.5119	-0.3269	-0.0025	4.1825
863	69.6	70.6	3.7692	2.5975	0.0354	6.4021	4.6395	-0.4737	-0.0032	4.1626
864	69.3	70.4	3.7702	2.5939	0.0357	6.3997	4.9604	-0.7704	-0.0045	4.1855
865	69.1	70.3	3.7741	2.5861	0.0363	6.3965	5.0257	-0.8482	-0.0042	4.1733
866	72.1	70.2	3.7727	2.5841	0.0365	6.3934	5.1474	-0.9717	-0.0029	4.1727
867	69.7	70.1	3.7653	2.5905	0.0365	6.3924	5.3179	-1.1809	-0.0049	4.1321
868	69.8	70.1	3.7564	2.5953	0.0365	6.3882	5.484	-1.384	-0.0106	4.0894
869	70.9	70.2	3.7559	2.5907	0.0362	6.3828	5.6047	-1.5418	-0.0099	4.053
870	71.2	70.1	3.7372	2.6007	0.0359	6.3738	5.8193	-1.7487	-0.0098	4.0608
871	69	70	3.7699	2.5634	0.0357	6.3691	6.0567	-1.9721	-0.0102	4.0744
872	69.6	70	3.7707	2.5612	0.0357	6.3675	6.1377	-2.0936	-0.0131	4.0311
873	70.4	70	3.764	2.5625	0.0354	6.3619	6.2126	-2.1994	-0.0133	3.9999
874	68.8	70.1	3.762	2.5593	0.0353	6.3566	6.3177	-2.3451	-0.0125	3.9601
875	70	70.2	3.7581	2.559	0.0352	6.3523	6.2919	-2.3375	-0.0105	3.9439
876	69.2	70	3.7534	2.5606	0.0353	6.3493	6.2567	-2.2979	-0.0145	3.9443
877	70.7	70	3.7353	2.5728	0.0355	6.3435	6.359	-2.4086	-0.0176	3.9328
878	71.6	69.9	3.7319	2.5737	0.0352	6.3408	6.5335	-2.6135	-0.0141	3.9059
879	68.2	69.8	3.727	2.574	0.0348	6.3358	6.5032	-2.5686	-0.0149	3.9196

880	69.7	69.8	3.7331	2.5669	0.0349	6.3349	6.5374	-2.6306	-0.0201	3.8868
881	70.6	69.8	3.7273	2.5677	0.0355	6.3305	6.0025	-2.1159	-0.023	3.8635
882	70.7	69.7	3.7247	2.5699	0.0358	6.3304	6.0194	-2.124	-0.0218	3.8736
883	70.5	69.4	3.7252	2.5642	0.0364	6.3258	6.0566	-2.169	-0.0205	3.8672
884	70.3	69.3	3.7307	2.5559	0.0362	6.3228	6.0859	-2.247	-0.0165	3.8224
885	69.7	69.1	3.7292	2.5546	0.036	6.3198	6.1413	-2.3223	-0.0116	3.8075
886	68.4	68.9	3.7253	2.5555	0.0357	6.3166	6.3205	-2.4932	-0.0076	3.8197
887	69	68.7	3.7217	2.5551	0.0358	6.3126	6.4783	-2.6499	-0.0079	3.8205
888	68.9	68.4	3.7118	2.5601	0.0359	6.3078	6.3562	-2.5373	-0.0119	3.807
889	70.1	68.3	3.7031	2.5654	0.0358	6.3043	6.18	-2.3941	-0.0187	3.7672
890	69.4	68.1	3.7017	2.5614	0.0358	6.2988	6.163	-2.3836	-0.0191	3.7603
891	67.3	67.8	3.7041	2.5546	0.0357	6.2944	6.2902	-2.5032	-0.018	3.7691
892	66.3	67.5	3.7002	2.5579	0.0353	6.2934	6.2739	-2.5095	-0.0178	3.7466
893	66.8	67.2	3.6824	2.5725	0.0352	6.2902	6.4437	-2.6792	-0.0146	3.7499
894	64.9	67	3.6766	2.5761	0.0355	6.2881	6.3879	-2.6346	-0.0124	3.7409
895	66	66.9	3.6578	2.5915	0.0357	6.285	6.5836	-2.847	-0.0113	3.7253
896	66.3	66.7	3.6287	2.6166	0.0357	6.281	6.5416	-2.8309	-0.013	3.6978
897	66.3	66.6	3.6318	2.611	0.0356	6.2784	6.5922	-2.9097	-0.0159	3.6665
898	66.7	66.4	3.6348	2.6035	0.0356	6.2738	6.7235	-3.0511	-0.0187	3.6538
899	65.4	66.1	3.6069	2.6274	0.0357	6.2701	6.7406	-3.0812	-0.0181	3.6413
900	65.2	65.8	3.5952	2.6358	0.0359	6.2669	6.7013	-3.0552	-0.0186	3.6275
901	64.6	65.7	3.5974	2.6308	0.0358	6.264	6.6758	-3.0235	-0.0158	3.6365
902	65.9	65.6	3.605	2.6189	0.0356	6.2595	6.6436	-2.9897	-0.0131	3.6408
903	65.8	65.5	3.5962	2.6234	0.0353	6.2549	6.6643	-3.0234	-0.0123	3.6286
904	67.8	65.5	3.6236	2.5901	0.0358	6.2495	6.6528	-3.0291	-0.0064	3.6173
905	65.3	65.4	3.5809	2.6191	0.0363	6.2364	6.4221	-2.8259	-0.0065	3.5897
906	65.6	65.3	3.5841	2.6237	0.0363	6.2441	6.4207	-2.7897	-0.008	3.6229
907	66.1	65.3	3.5886	2.6155	0.036	6.2401	6.5217	-2.8989	-0.0106	3.6123
908	64.8	65	3.5895	2.6111	0.0357	6.2363	6.4714	-2.882	-0.0082	3.5813
909	64	64.9	3.5888	2.6078	0.036	6.2327	6.4592	-2.8837	-0.009	3.5665
910	64.5	64.8	3.5928	2.6011	0.0361	6.23	6.3393	-2.7839	-0.0074	3.5479
911	64.8	64.7	3.604	2.5868	0.0363	6.227	6.1967	-2.6816	-0.0024	3.5126
912	64.2	64.6	3.5882	2.5979	0.0362	6.2223	6.2086	-2.6854	-0.0011	3.5222
913	64.7	64.4	3.5573	2.6217	0.0362	6.2152	6.2465	-2.7654	-0.0012	3.48
914	65.1	64.2	3.5472	2.6316	0.0361	6.2149	5.0431	-1.6432	-0.0422	3.3578
915	64	64.1	3.5287	2.6456	0.0359	6.2102	4.0338	-0.6283	-0.1815	3.224
916	65.3	64	3.5073	2.6645	0.0361	6.2078	3.4843	-0.0738	-0.1824	3.2281

917	62.4	63.9	3.5017	2.6671	0.0364	6.2053	3.2709	0.1852	-0.1778	3.2782
918	62	63.9	3.4929	2.6765	0.0364	6.2057	3.0442	0.4457	-0.1778	3.3121
919	63.8	64	3.4661	2.6956	0.0363	6.198	2.7959	0.6965	-0.1796	3.3127
920	63.8	64	3.4439	2.7133	0.0363	6.1935	2.7658	0.6861	-0.1818	3.2701
921	62.8	64	3.4329	2.7234	0.0367	6.193	3.683	-0.2719	-0.1827	3.2283
922	62.4	63.9	3.4255	2.7278	0.0368	6.1902	4.8462	-1.46	-0.1808	3.2054
923	63.8	63.8	3.4141	2.7367	0.0367	6.1875	4.531	-1.1406	-0.1821	3.2083
924	63.7	63.7	3.4056	2.7428	0.0367	6.1851	4.0557	-0.6972	-0.1875	3.171
925	63.9	63.6	3.3974	2.7463	0.0366	6.1803	3.8792	-0.5193	-0.1881	3.1718
926	64.1	63.6	3.3808	2.7575	0.0368	6.1751	4.5177	-1.1601	-0.1915	3.1662
927	65.3	63.7	3.3519	2.7861	0.0366	6.1746	4.5641	-1.1963	-0.1895	3.1783
928	65.4	63.8	3.3575	2.7755	0.0368	6.1698	4.4413	-1.1125	-0.1866	3.1422
929	64.9	63.8	3.3501	2.7797	0.0372	6.167	4.3801	-1.0456	-0.187	3.1475
930	63.5	63.9	3.4019	2.7237	0.0375	6.1631	4.2769	-0.9399	-0.1961	3.1409
931	63.4	64	3.3994	2.7246	0.0375	6.1615	4.3281	-0.9574	-0.1962	3.1746
932	62.4	64	3.3796	2.7391	0.0374	6.1561	4.2133	-0.8409	-0.1922	3.1802
933	63	64	3.3548	2.763	0.0373	6.1551	3.9841	-0.5897	-0.1946	3.1998
934	63.2	64.1	3.341	2.7763	0.0372	6.1545	3.9319	-0.5653	-0.1904	3.1763
935	64.1	64.2	3.3095	2.8032	0.037	6.1497	3.9861	-0.593	-0.1943	3.1988
936	64.9	64.2	3.28	2.8279	0.0372	6.145	3.8596	-0.464	-0.1968	3.1988
937	63.7	64.1	3.286	2.8184	0.0376	6.142	3.7003	-0.3161	-0.1985	3.1857
938	63.8	64	3.2954	2.8083	0.0383	6.142	3.5423	-0.1585	-0.194	3.1898
939	65.9	64	3.2964	2.8044	0.0383	6.1392	3.5039	-0.1095	-0.1942	3.2002
940	64	63.9	3.2835	2.811	0.0382	6.1328	3.3744	0.0205	-0.2033	3.1917
941	62.7	64	3.2825	2.8105	0.0381	6.1311	3.3172	0.0601	-0.2009	3.1765
942	64.4	64	3.2629	2.8263	0.0379	6.1271	3.2907	0.0796	-0.204	3.1663
943	65.5	64.1	3.2559	2.8295	0.0375	6.123	3.2286	0.1759	-0.2072	3.1973
944	65.2	64.2	3.2402	2.8422	0.0373	6.1197	3.0212	0.3801	-0.2083	3.193
945	63.7	64.1	3.2307	2.8487	0.0373	6.1167	3.0232	0.4108	-0.2027	3.2314
946	63.5	64	3.2226	2.8549	0.0375	6.115	2.9117	0.5067	-0.2003	3.2181
947	64.3	63.8	3.2054	2.8683	0.0377	6.1114	2.5784	0.8102	-0.2057	3.1828
948	64.1	63.6	3.1907	2.8782	0.0378	6.1066	2.5073	0.8862	-0.2064	3.1871
949	63	63.4	3.1872	2.8791	0.0377	6.104	2.5705	0.7982	-0.2033	3.1654
950	64.6	63.3	3.1897	2.8727	0.0375	6.1	2.2884	1.0579	-0.2066	3.1397
951	62.9	63.2	3.1904	2.8684	0.0374	6.0962	2.0566	1.2936	-0.2117	3.1384
952	63.9	63.1	3.1836	2.8713	0.0371	6.092	2.1597	1.1923	-0.2167	3.1353
953	65	63	3.1784	2.8709	0.0366	6.0859	2.4851	0.8616	-0.2191	3.1276

954	63.1	62.8	3.1823	2.8671	0.0367	6.0861	2.5112	0.8468	-0.2249	3.1331
955	62.1	62.8	3.179	2.8665	0.037	6.0825	2.5456	0.7511	-0.2225	3.0742
956	60.6	62.6	3.1678	2.874	0.037	6.0788	2.0455	1.1432	-0.2165	2.9722
957	60.3	62.5	3.1624	2.8779	0.0368	6.0771	2.0668	1.2546	-0.227	3.0945
958	61.4	62.3	3.1622	2.8756	0.0366	6.0745	2.1181	1.1788	-0.2352	3.0617
959	61.5	62.3	3.1638	2.8697	0.0364	6.0699	2.1911	1.1044	-0.2388	3.0567
960	60.7	62.1	3.1644	2.8657	0.036	6.0661	2.3374	0.961	-0.2331	3.0654
961	63.3	62.1	3.1549	2.8697	0.0357	6.0603	2.0973	1.2141	-0.2316	3.0799
962	63.5	62	3.1483	2.8755	0.0355	6.0593	2.0621	1.2834	-0.2245	3.1209
963	60.9	61.8	3.2649	2.7618	0.0396	6.0663	1.8763	1.3957	-0.2249	3.0472
964	63.9	61.7	3.3668	2.6567	0.0538	6.0773	1.5707	1.6662	-0.2205	3.0164
965	60.3	61.8	3.4256	2.5935	0.0546	6.0737	1.4767	1.8064	-0.2198	3.0634
966	61.5	61.9	3.4457	2.5656	0.0543	6.0656	1.3251	1.9507	-0.2233	3.0525
967	61.7	62.1	3.4609	2.5459	0.0543	6.0611	1.1044	2.1879	-0.2255	3.0667
968	61.8	62.2	3.4768	2.5256	0.0545	6.0569	1.0187	2.2669	-0.2246	3.0611
969	61	62.4	3.4793	2.5221	0.0544	6.0558	0.8924	2.4253	-0.2264	3.0914
970	62.8	62.7	3.3689	2.6279	0.0541	6.0509	0.6051	2.6755	-0.2275	3.0532
971	62.8	62.9	3.2853	2.7094	0.0538	6.0485	0.4233	2.8214	-0.226	3.0187
972	60.7	63.2	3.3176	2.6752	0.0539	6.0467	0.3806	2.8867	-0.2196	3.0477
973	62	63.6	3.3584	2.6322	0.0542	6.0448	0.2917	2.9734	-0.2156	3.0495
974	64	63.9	3.3741	2.6112	0.0541	6.0394	0.2546	3.023	-0.2147	3.0629
975	61.2	64.3	3.3063	2.675	0.0544	6.0356	0.2346	3.0028	-0.2161	3.0213
976	64.2	64.7	3.297	2.6802	0.0543	6.0315	0.1609	3.1063	-0.2157	3.0515
977	64.6	65.1	3.2912	2.684	0.0541	6.0293	-0.0699	3.3104	-0.2167	3.0238
978	65.7	65.4	3.2938	2.6783	0.0539	6.0261	-0.2931	3.5719	-0.2156	3.0632
979	65.8	65.9	3.2994	2.668	0.0544	6.0217	-0.1933	3.4589	-0.2116	3.054
980	67.5	66.2	3.3003	2.6627	0.0545	6.0175	-0.2085	3.4644	-0.2068	3.049
981	68.3	66.5	3.306	2.6518	0.0547	6.0125	0.3588	2.9072	-0.2027	3.0633
982	69.5	66.8	3.3263	2.6289	0.0553	6.0105	0.4211	2.868	-0.1999	3.0892
983	68.2	67.2	3.332	2.6207	0.0554	6.0082	0.2126	3.0489	-0.1966	3.0649
984	69.1	67.5	3.332	2.6152	0.0557	6.0029	0.0331	3.2672	-0.1958	3.1045
985	68.9	68	3.3433	2.601	0.0556	5.9999	-0.143	3.4758	-0.1946	3.1382
986	68.9	68.1	3.3553	2.5871	0.0556	5.998	-0.2158	3.5188	-0.203	3.1
987	68.1	68.3	3.3674	2.571	0.0552	5.9936	-0.4535	3.7159	-0.2066	3.0558
988	70.4	68.3	3.3614	2.571	0.0553	5.9877	-0.5754	3.852	-0.2048	3.0717
989	68.2	68.4	3.3656	2.5634	0.0561	5.9852	-0.5101	3.7972	-0.1983	3.0888
990	68.9	68.3	3.37	2.5554	0.0559	5.9812	-0.4486	3.7359	-0.1995	3.0878

991	66.4	68.2	3.375	2.5466	0.0561	5.9777	-0.5132	3.7708	-0.1986	3.059
992	68.3	68	3.3773	2.5403	0.056	5.9736	0.0412	3.6833	-0.68	3.0445
993	70.6	67.9	3.3803	2.5345	0.0561	5.9709	0.2789	3.7973	-1.038	3.0383
994	69.8	67.8	3.3743	2.535	0.0557	5.965	0.17	3.9276	-1.0506	3.047
995	67.7	67.6	3.3666	2.5409	0.0557	5.9632	0.0028	4.1094	-1.0806	3.0316
996	67.2	67.5	3.3709	2.5356	0.0562	5.9627	-0.1318	4.2552	-1.1041	3.0192
997	66.3	67.4	3.3811	2.5224	0.0562	5.9597	-0.2016	4.3518	-1.1106	3.0397
998	67.8	67.2	3.3777	2.5236	0.0559	5.9573	-0.4142	4.5413	-1.1429	2.9842
999	65.8	67.1	3.3781	2.5217	0.0564	5.9561	-0.5634	4.7181	-1.1731	2.9815
1000	66.3	66.9	3.3895	2.5064	0.0571	5.9531	-0.4545	4.577	-1.1487	2.9738
1001	65	66.9	3.3814	2.5115	0.0575	5.9505	-0.5772	4.6677	-1.1344	2.956
1002	67.4	66.8	3.3565	2.5327	0.0576	5.9468	-0.6141	4.7021	-1.1393	2.9487
1003	65.8	66.6	3.3451	2.5387	0.0578	5.9416	-0.6468	4.7199	-1.1475	2.9256
1004	66.2	66.4	3.3691	2.515	0.058	5.9421	-0.7348	4.7721	-1.1482	2.8892
1005	66.8	66.4	3.3764	2.5048	0.058	5.9392	-0.7839	4.8471	-1.1386	2.9246
1006	66.6	66.6	3.3774	2.4983	0.059	5.9347	-0.7631	4.8133	-1.1369	2.9133
1007	65.6	66.7	3.3768	2.4976	0.0595	5.9339	-0.7871	4.8574	-1.14	2.9303
1008	66	66.6	3.3704	2.5006	0.0596	5.9306	-0.817	4.9025	-1.1221	2.9635
1009	65	66.6	3.3551	2.5117	0.0593	5.9262	-0.8545	4.9445	-1.1225	2.9675
1010	67.1	66.6	3.3831	2.4797	0.0593	5.9221	-0.8721	4.9213	-1.1119	2.9373
1011	65.5	66.6	3.3978	2.4584	0.0587	5.9149	-0.9039	4.9572	-1.1066	2.9467
1012	66.7	66.6	3.4006	2.4583	0.0587	5.9176	-0.9808	4.9983	-1.1112	2.9063
1013	66.4	66.5	3.4002	2.4551	0.0583	5.9136	-1.0295	5.0657	-1.1212	2.915
1014	68.5	66.4	3.3995	2.451	0.0581	5.9086	0.2167	3.8616	-1.083	2.9953
1015	70.2	66.3	3.3961	2.4506	0.0583	5.905	1.3447	2.7211	-0.9454	3.1203
1016	68.3	66	3.3968	2.4457	0.0586	5.9011	1.9514	2.1164	-0.9691	3.0987
1017	66.4	65.9	3.3998	2.4405	0.0589	5.8992	2.2394	1.8196	-1.0014	3.0576
1018	65.5	65.8	3.4036	2.4339	0.059	5.8966	2.4236	1.642	-1.0125	3.0531
1019	66.5	65.7	3.4056	2.4281	0.059	5.8927	2.5313	1.5236	-1.0141	3.0408
1020	64.6	65.5	3.4016	2.4311	0.0589	5.8916	2.4687	1.5936	-1.0117	3.0506
1021	66.9	65.4	3.3949	2.4347	0.0586	5.8882	1.3548	2.6903	-1.0073	3.0378
1022	65.3	65.1	3.3964	2.4305	0.0584	5.8852	0.6955	3.3604	-1.028	3.0279
1023	63.7	65	3.3886	2.4344	0.0582	5.8812	1.2371	2.8667	-1.0499	3.0539
1024	64	64.8	3.3821	2.4426	0.0583	5.883	1.6604	2.4443	-1.0526	3.0522
1025	62.3	64.4	3.3813	2.4356	0.0582	5.8752	1.8343	2.2486	-1.0559	3.0271
1026	63.9	64.2	3.3878	2.4265	0.0584	5.8727	1.1299	2.9579	-1.0569	3.0309
1027	63.6	64.1	3.3812	2.4289	0.0582	5.8682	1.0263	3.0618	-1.0737	3.0144

1028	63.4	63.9	3.3769	2.4296	0.058	5.8644	0.9476	3.1624	-1.0975	3.0124
1029	62.6	63.8	3.3709	2.4332	0.0579	5.8621	0.9688	3.1533	-1.122	3.0001
1030	63.7	63.8	3.366	2.433	0.0578	5.8567	1.0692	3.0571	-1.1291	2.9972
1031	61.2	63.7	3.3573	2.4378	0.0575	5.8526	1.1382	2.9916	-1.1469	2.9828
1032	64.5	63.5	3.3583	2.4342	0.0571	5.8496	1.2312	2.856	-1.1362	2.9511
1033	64.3	63.3	3.3515	2.4363	0.0569	5.8446	1.4988	2.5869	-1.132	2.9536
1034	63.8	63.1	3.3553	2.4287	0.0566	5.8407	1.5568	2.5318	-1.1323	2.9562
1035	64.1	62.9	3.331	2.4513	0.0574	5.8397	1.5791	2.5007	-1.1458	2.9339
1036	64	62.7	3.3253	2.4563	0.0579	5.8395	1.8324	2.25	-1.1482	2.9342
1037	62.5	62.6	3.3435	2.4332	0.0581	5.8348	2.3146	1.7624	-1.1489	2.928
1038	63.6	62.5	3.3464	2.4286	0.0581	5.8331	2.4332	1.6384	-1.153	2.9185
1039	65.2	62.5	3.3413	2.4309	0.0583	5.8304	2.3599	1.6691	-1.159	2.8701
1040	64.1	62.4	3.3349	2.4339	0.0581	5.8269	2.4783	1.4802	-1.0978	2.8607
1041	61.6	62.4	3.2784	2.4422	0.1061	5.8266	2.5534	1.3359	-1.0634	2.8259
1042	60.3	62.4	3.235	2.4466	0.1417	5.8233	2.5986	1.277	-1.0914	2.7842
1043	59.5	62.3	3.2389	2.4368	0.1426	5.8183	2.7213	1.1677	-1.1148	2.7742
1044	59.4	62.2	3.2399	2.4313	0.1454	5.8166	2.8362	1.0859	-1.1878	2.7343
1045	59.9	62.1	3.2439	2.4231	0.1477	5.8148	2.8564	1.0693	-1.2148	2.7109
1046	61.4	62	3.2427	2.4197	0.1486	5.811	2.8296	1.0992	-1.2236	2.7052
1047	62.3	62	3.2468	2.4141	0.152	5.813	2.9383	1.013	-1.2284	2.7229
1048	62.1	61.9	3.247	2.4064	0.1551	5.8085	3.081	0.8641	-1.2362	2.7089
1049	62.4	61.8	3.2327	2.4214	0.1525	5.8066	2.9965	0.9406	-1.2414	2.6957
1050	60.6	61.6	3.2474	2.406	0.151	5.8043	3.0269	0.9205	-1.2417	2.7056
1051	63.6	61.5	3.2518	2.3982	0.1513	5.8013	3.1572	0.774	-1.2441	2.6872
1052	63	61.6	3.2483	2.3993	0.1518	5.7995	3.1781	0.7406	-1.2456	2.673
1053	62.1	61.7	3.2519	2.3936	0.1514	5.7969	3.0396	0.8781	-1.2554	2.6623
1054	62	61.9	3.2607	2.3824	0.1506	5.7937	2.9473	0.9516	-1.2527	2.6462
1055	61.7	61.9	3.2553	2.3852	0.1507	5.7912	3.1736	0.7404	-1.2454	2.6686
1056	63.9	61.9	3.2465	2.3883	0.151	5.7858	3.3627	0.5729	-1.2385	2.697
1057	61.6	61.8	3.2441	2.3877	0.149	5.7808	3.4358	0.4599	-1.2317	2.6641
1058	62.1	61.8	3.2477	2.3812	0.1489	5.7777	3.5699	0.3595	-1.2322	2.6973
1059	60.2	61.8	3.251	2.3775	0.1476	5.7761	3.7972	0.129	-1.228	2.6982
1060	59.8	61.7	3.2548	2.3699	0.1467	5.7714	3.7839	0.1119	-1.2321	2.6637
1061	61.8	61.4	3.253	2.3699	0.1468	5.7697	4.083	-0.2003	-1.2404	2.6423
1062	62.5	61.1	3.2512	2.3689	0.1476	5.7678	4.2474	-0.4035	-1.2476	2.5963
1063	62.3	60.9	3.2432	2.3756	0.1479	5.7668	4.2894	-0.3922	-1.2485	2.6486
1064	60.1	60.9	3.2323	2.3846	0.1484	5.7653	4.3465	-0.4583	-1.2559	2.6323

1065	60.9	60.8	3.2305	2.3819	0.1515	5.7638	4.4082	-0.5872	-1.2141	2.6068
1066	61.8	60.6	3.2217	2.3837	0.1544	5.7598	4.4131	-0.6071	-1.196	2.61
1067	61.8	60.5	3.2186	2.3817	0.1555	5.7558	4.5308	-0.7517	-1.1881	2.5909
1068	62.7	60.4	3.2237	2.3733	0.1559	5.7528	4.5995	-0.8232	-1.169	2.6073
1069	57.9	60.4	3.2324	2.3627	0.1555	5.7507	4.8607	-1.0257	-1.1852	2.6499
1070	58.8	60.5	3.2335	2.3588	0.1549	5.7472	4.8205	-1.0536	-1.1976	2.5693
1071	57.5	60.4	3.2157	2.3734	0.1566	5.7457	4.7582	-0.9713	-1.2092	2.5778
1072	58.2	60.2	3.1938	2.3885	0.1589	5.7413	4.7168	-0.9734	-1.2014	2.542
1073	60.9	59.8	3.1924	2.3878	0.1594	5.7396	4.7729	-1.014	-1.2055	2.5534
1074	60.2	59.7	3.1907	2.3864	0.1597	5.7367	4.7823	-1.0161	-1.2133	2.5528
1075	60	59.6	3.1933	2.3792	0.1601	5.7325	4.7982	-0.9931	-1.2238	2.5813
1076	59.3	59.4	3.1943	2.3741	0.1617	5.7301	4.7926	-1.0454	-1.2276	2.5196
1077	60.5	59.1	3.1964	2.3678	0.1639	5.7281	4.8747	-1.1148	-1.2226	2.5372
1078	60.9	58.9	3.197	2.3629	0.1661	5.726	4.8964	-1.1631	-1.2408	2.4925
1079	61.1	58.8	3.1924	2.3622	0.1673	5.722	4.9937	-1.2538	-1.2543	2.4856
1080	59.9	58.7	3.1865	2.3635	0.1692	5.7192	4.9655	-1.2317	-1.27	2.4638
1081	58.4	58.5	3.1829	2.3662	0.1684	5.7174	4.9697	-1.269	-1.2753	2.4254
1082	55.2	58.3	3.1764	2.3702	0.1685	5.7151	4.8245	-1.1555	-1.2725	2.3965
1083	58.8	57.9	3.1764	2.3676	0.1686	5.7126	4.8968	-1.2407	-1.2877	2.3685
1084	58.3	57.7	3.1741	2.3651	0.1702	5.7095	4.8643	-1.2241	-1.2884	2.3518
1085	57.6	57.4	3.1601	2.376	0.1705	5.7065	5.0366	-1.3935	-1.3002	2.343
1086	57.5	57.2	3.1238	2.4109	0.1705	5.7052	4.8203	-1.1546	-1.2959	2.3697
1087	57.4	57	3.1241	2.4071	0.1705	5.7018	4.7032	-1.012	-1.296	2.3952
1088	56.8	56.7	3.1254	2.4041	0.1712	5.7007	4.927	-1.2716	-1.2971	2.3584
1089	56.2	56.4	3.1178	2.4154	0.1659	5.6991	4.9782	-1.3109	-1.298	2.3693
1090	54.3	56.2	3.1146	2.4218	0.1622	5.6986	4.9613	-1.3067	-1.304	2.3506
1091	55.2	56	3.1152	2.4189	0.1652	5.6993	4.936	-1.3235	-1.3035	2.3089
1092	52.7	56.1	3.1052	2.4235	0.1675	5.6962	4.3796	-1.2287	-0.8212	2.3297
1093	55.5	55.8	3.0967	2.4259	0.1748	5.6974	3.8933	-1.1368	-0.4626	2.2939
1094	55.4	55.6	3.0886	2.4281	0.1772	5.6939	3.9334	-1.2171	-0.4475	2.2689
1095	54.5	55.5	3.0837	2.4309	0.1781	5.6927	3.9219	-1.2197	-0.4278	2.2744
1096	56.9	55.3	3.0771	2.4343	0.1791	5.6904	3.915	-1.254	-0.4105	2.2505
1097	55.3	55	3.073	2.4359	0.1799	5.6888	3.9264	-1.2712	-0.4133	2.2419
1098	55.1	54.9	3.0781	2.4296	0.1801	5.6877	3.9817	-1.3416	-0.3761	2.264
1099	57.1	54.7	3.0754	2.4296	0.1806	5.6856	3.9875	-1.4095	-0.3497	2.2284
1100	55.2	54.7	3.0738	2.429	0.1815	5.6844	3.916	-1.3317	-0.3723	2.212
1101	55.6	54.6	3.0636	2.4375	0.1821	5.6832	4.0228	-1.4312	-0.3772	2.2144

1102	54.3	54.6	3.0525	2.4449	0.1831	5.6806	4.6756	-2.1155	-0.3836	2.1765
1103	53.8	54.5	3.0504	2.4435	0.1831	5.677	4.7249	-2.1868	-0.3638	2.1742
1104	55.5	54.3	3.0517	2.441	0.1826	5.6752	4.5667	-2.0105	-0.3674	2.1888
1105	54.5	54.2	3.0401	2.4475	0.1818	5.6695	4.4674	-1.9187	-0.3838	2.1649
1106	51.7	54.1	3.0338	2.4523	0.1821	5.6683	4.465	-1.9266	-0.3594	2.179
1107	53.5	53.9	3.0198	2.4617	0.1827	5.6642	4.3738	-1.8796	-0.3491	2.145
1108	53.8	53.8	2.9907	2.4877	0.1824	5.6608	4.3815	-1.8988	-0.3636	2.1191
1109	53.3	53.5	2.9767	2.5005	0.1826	5.6598	4.4095	-1.9148	-0.3706	2.124
1110	53.1	53.4	2.9748	2.4997	0.1833	5.6578	4.4659	-1.9537	-0.3933	2.1188
1111	52.7	53.1	2.973	2.4988	0.1835	5.6553	4.4269	-1.9312	-0.3998	2.0959
1112	53.2	52.9	2.9717	2.4975	0.1836	5.6527	4.3373	-1.8479	-0.3951	2.0943
1113	52.6	52.8	2.9655	2.501	0.1838	5.6503	4.2064	-1.7392	-0.388	2.0792
1114	52.4	52.6	2.9587	2.5097	0.1795	5.6479	4.2322	-1.7535	-0.4025	2.0763
1115	54.2	52.3	2.9548	2.5113	0.1779	5.644	4.2358	-1.7465	-0.4042	2.0851
1116	52.6	52.3	2.9437	2.5208	0.1775	5.642	4.2215	-1.7571	-0.3724	2.092
1117	52.6	52.2	2.9399	2.5228	0.1758	5.6384	4.0532	-1.6406	-0.3399	2.0727
1118	52.7	52	2.9175	2.5365	0.1775	5.6316	3.9071	-1.6674	-0.2145	2.0252
1119	51.6	51.8	2.9236	2.5334	0.1788	5.6358	4.0047	-1.7389	-0.2119	2.0539
1120	50.4	51.6	2.9258	2.5283	0.1798	5.6338	4.1557	-1.8966	-0.2262	2.0329
1121	51.2	51.5	2.9232	2.532	0.1788	5.634	4.1876	-1.9345	-0.2396	2.0134
1122	51.6	51.2	2.9191	2.5319	0.179	5.6299	4.0325	-1.7835	-0.2261	2.023
1123	50.9	51	2.9104	2.536	0.1795	5.6259	3.8106	-1.6045	-0.2068	1.9993
1124	50.1	50.9	2.9023	2.5419	0.1806	5.6248	3.8485	-1.6271	-0.2108	2.0107
1125	51	50.6	2.9021	2.5402	0.181	5.6232	3.8689	-1.6439	-0.2227	2.0022
1126	51.1	50.3	2.9003	2.538	0.1807	5.619	3.9013	-1.6874	-0.2282	1.9857
1127	51.3	50.1	2.8915	2.5452	0.1823	5.619	3.9493	-1.7574	-0.2241	1.9678
1128	48.7	49.9	2.8775	2.555	0.1834	5.6159	4.0585	-1.8718	-0.2058	1.9809
1129	49.7	49.8	2.8744	2.5564	0.1849	5.6157	4.1181	-1.9594	-0.1923	1.9663
1130	49.8	49.6	2.869	2.5599	0.1853	5.6142	4.1367	-2.0184	-0.1864	1.932
1131	47.5	49.5	2.8748	2.5534	0.1847	5.6129	4.1202	-2.04	-0.1636	1.9166
1132	50.2	49.3	2.8686	2.5583	0.1858	5.6128	4.0794	-2.0071	-0.1716	1.9008
1133	49.5	49.2	2.865	2.5587	0.1857	5.6095	4.04	-1.9586	-0.1753	1.9062
1134	48.4	49.1	2.8516	2.5681	0.1866	5.6064	4.0642	-1.9666	-0.1832	1.9144
1135	48.2	49	2.849	2.5667	0.1869	5.6027	4.0574	-2.0007	-0.1666	1.8901
1136	48.7	48.8	2.855	2.5575	0.1874	5.5999	3.9625	-1.9221	-0.1612	1.8791
1137	49.1	48.6	2.8508	2.5603	0.1878	5.5989	3.6535	-1.5998	-0.1568	1.8969
1138	48.5	48.6	2.8486	2.5597	0.1879	5.5962	3.6901	-1.6534	-0.1594	1.8773

1139	47.8	48.5	2.8451	2.5615	0.1887	5.5953	3.6946	-1.705	-0.1109	1.8787
1140	48.6	48.3	2.8413	2.5663	0.1884	5.596	3.622	-1.5726	-0.172	1.8773
1141	48.1	48.3	2.8404	2.565	0.1882	5.5937	3.6127	-1.523	-0.2088	1.881
1142	49.2	48.2	2.8457	2.5603	0.1879	5.5939	3.6275	-1.5388	-0.1806	1.908
1143	48.4	48.1	2.8456	2.5585	0.1873	5.5914	3.5112	-1.4521	-0.1588	1.9003
1144	47.6	48	2.8477	2.5532	0.1881	5.5891	3.4777	-1.4382	-0.0842	1.9553
1145	47.7	47.9	2.8524	2.5485	0.1888	5.5897	3.388	-1.416	-0.0631	1.9088
1146	48.1	47.9	2.8501	2.5468	0.1899	5.5868	3.2745	-1.3039	-0.0598	1.9108
1147	47.7	47.9	2.8486	2.5483	0.1897	5.5866	3.1792	-1.2329	-0.0618	1.8845
1148	47.5	47.9	2.8483	2.5473	0.19	5.5856	3.2022	-1.2344	-0.0671	1.9006
1149	46.7	47.8	2.8411	2.5546	0.1898	5.5854	3.3467	-1.3577	-0.0747	1.9143
1150	48	47.8	2.8451	2.5491	0.1887	5.5829	3.3524	-1.3888	-0.0679	1.8957
1151	47.1	47.6	2.7842	2.6097	0.1897	5.5837	3.3827	-1.403	-0.0605	1.9192
1152	47.5	47.4	2.7758	2.618	0.1882	5.582	3.3533	-1.4069	-0.0581	1.8882
1153	46.4	47.3	2.7952	2.5947	0.1882	5.5781	3.2775	-1.3467	-0.0444	1.8864
1154	47.7	47.2	2.814	2.5742	0.189	5.5772	3.2704	-1.3521	-0.0348	1.8836
1155	48.5	47.3	2.8088	2.5778	0.1866	5.5733	3.2588	-1.3394	-0.0261	1.8933
1156	49	47.2	2.8091	2.5762	0.1859	5.5712	3.1455	-1.2553	-0.0288	1.8614
1157	47.9	47.1	2.8059	2.5776	0.1854	5.5689	3.0626	-1.1611	-0.0198	1.8816
1158	47.1	47	2.8067	2.5727	0.186	5.5653	2.937	-1.0731	-0.0142	1.8496
1159	46.9	47	2.8044	2.5729	0.1869	5.5643	2.6914	-0.8396	-0.0188	1.8329
1160	45.4	46.9	2.8121	2.5631	0.1866	5.5618	2.5566	-0.697	-0.0258	1.8338
1161	45	46.7	2.8193	2.5547	0.1863	5.5603	2.5467	-0.6921	-0.0206	1.8339
1162	46.1	46.6	2.8306	2.5429	0.1864	5.5599	2.5523	-0.7034	-0.0097	1.8392
1163	46.8	46.5	2.82	2.551	0.1882	5.5592	2.5716	-0.7496	-0.0067	1.8153
1164	48.2	46.3	2.8088	2.5593	0.1888	5.5568	2.5352	-0.7198	-0.0046	1.8108
1165	46.5	46.1	2.8083	2.5576	0.1887	5.5546	2.4883	-0.631	-0.046	1.8113
1166	46.7	45.9	2.8164	2.5477	0.1884	5.5525	2.4563	-0.5924	-0.0713	1.7926
1167	45.4	45.7	2.8278	2.5485	0.177	5.5533	2.4155	-0.5377	-0.0716	1.8062
1168	45.8	45.5	2.8232	2.5472	0.1771	5.5474	2.3588	-0.4987	-0.0917	1.7684
1169	46.2	45.3	2.8169	2.5524	0.1781	5.5474	2.1145	-0.3376	-0.0726	1.7043
1170	44.8	45.3	2.8147	2.5523	0.1788	5.5458	2.187	-0.3699	-0.05	1.7671
1171	44.3	45.2	2.8125	2.5517	0.1792	5.5434	2.0444	-0.2356	-0.0397	1.7692
1172	44.3	45	2.8128	2.549	0.1796	5.5414	1.7007	0.1268	-0.0478	1.7798
1173	45.6	44.8	2.8075	2.5505	0.1805	5.5385	1.6336	0.1663	-0.0464	1.7534
1174	44.8	44.5	2.8038	2.5507	0.182	5.5365	1.5693	0.2155	-0.0381	1.7467
1175	44.6	44.3	2.8032	2.5479	0.1829	5.534	1.5172	0.2594	-0.0213	1.7553

1176	43	44.1	2.7994	2.5498	0.1841	5.5333	1.5296	0.2487	-0.0316	1.7468
1177	44.4	43.8	2.7905	2.555	0.1845	5.53	1.5229	0.2173	-0.0398	1.7005
1178	43.2	43.6	2.7852	2.5589	0.1854	5.5294	1.4647	0.2879	-0.0312	1.7214
1179	45	43.5	2.7788	2.5641	0.186	5.5288	1.3519	0.3608	-0.0322	1.6805
1180	43.2	43.5	2.7744	2.5675	0.1856	5.5275	1.3476	0.3662	-0.0179	1.6958
1181	42.7	43.5	2.7749	2.5669	0.1855	5.5273	1.3081	0.4103	-0.0109	1.7075
1182	42.2	43.4	2.7724	2.566	0.186	5.5245	1.3851	0.3475	-0.0067	1.726
1183	42.8	43.2	2.7699	2.5642	0.187	5.5211	1.4885	0.2516	0.0086	1.7487
1184	42.2	43.1	2.7684	2.5652	0.1869	5.5205	1.4522	0.2682	0.0117	1.7322
1185	42.5	42.9	2.7638	2.5682	0.1866	5.5186	1.3843	0.3157	0.0208	1.7208
1186	41.2	42.9	2.7585	2.5709	0.1862	5.5155	1.3755	0.2853	0.0166	1.6774
1187	41.8	42.8	2.7551	2.5725	0.1865	5.514	1.4424	0.1938	0.0122	1.6485
1188	43.5	42.8	2.7559	2.5746	0.1823	5.5129	1.4168	0.212	0.0173	1.6461
1189	44.6	42.7	2.7556	2.5726	0.1831	5.5114	1.4365	0.1741	0.015	1.6256
1190	44.4	42.6	2.7533	2.5741	0.1831	5.5105	1.4697	0.1403	0.0216	1.6317
1191	43.3	42.5	2.7524	2.5728	0.1833	5.5085	1.4544	0.1859	0.0162	1.6565
1192	41.7	42.5	2.754	2.5687	0.1834	5.5062	1.4413	0.1825	0.0174	1.6412
1193	42.6	42.5	2.7489	2.5698	0.1833	5.5019	1.5532	0.0982	0.0194	1.6709
1194	41.4	42.3	2.7498	2.5697	0.1835	5.503	1.5998	0.0503	0.0165	1.6667
1195	42.1	42.3	2.7562	2.5613	0.1841	5.5016	1.6369	-0.0034	0.0275	1.661
1196	43	42.4	2.7591	2.5576	0.1853	5.502	1.7115	-0.0701	0.0329	1.6743
1197	43.3	42.4	2.7527	2.5594	0.1866	5.4987	1.7256	-0.1195	0.0602	1.6662
1198	43.2	42.3	2.7434	2.5653	0.1875	5.4963	1.7716	-0.1438	0.0704	1.6982
1199	40.9	42.2	2.7401	2.5685	0.1874	5.496	1.8022	-0.1711	0.0604	1.6915
1200	40.5	42.1	2.7355	2.5693	0.1876	5.4924	1.7646	-0.1216	0.0505	1.6935
1201	42.5	42.1	2.7283	2.5782	0.1879	5.4943	1.865	-0.2031	0.0501	1.7121
1202	42.3	42.1	2.7248	2.5796	0.1875	5.4919	1.278	0.3776	0.0647	1.7203
1203	39.8	42.1	2.7233	2.5787	0.1866	5.4887	1.3242	0.3759	0.0409	1.7409
1204	41.5	42.1	2.7258	2.5749	0.1852	5.4859	1.5758	0.0996	0.0417	1.7171
1205	42.4	42.1	2.7256	2.5731	0.1847	5.4833	1.8322	-0.1297	0.0469	1.7495
1206	43	42.1	2.7276	2.5684	0.1841	5.4801	1.7624	-0.0851	0.0213	1.6986
1207	41.8	41.9	2.7261	2.569	0.1842	5.4792	1.7772	-0.1037	0.0046	1.6781
1208	43	41.9	2.7216	2.5717	0.1843	5.4775	1.7409	-0.0729	-0.0049	1.6631
1209	42.6	41.8	2.721	2.5702	0.1851	5.4764	1.7649	-0.122	-0.0031	1.6398
1210	42.5	41.8	2.7201	2.5689	0.1854	5.4744	1.7341	-0.0803	0.0029	1.6567
1211	42.1	41.8	2.7178	2.5691	0.1844	5.4713	1.766	-0.1211	-0.0015	1.6433
1212	41.5	41.8	2.7145	2.5725	0.1842	5.4712	1.8329	-0.2141	-0.003	1.6158

1213	42.5	41.9	2.712	2.5729	0.1843	5.4693	1.9809	-0.359	-0.0028	1.619
1214	41.2	41.7	2.7099	2.5728	0.1841	5.4668	1.9073	-0.2967	0.0097	1.6204
1215	42.7	41.6	2.7092	2.5705	0.185	5.4647	1.8312	-0.226	0.0175	1.6227
1216	40.6	41.5	2.7022	2.5746	0.1846	5.4614	1.839	-0.2317	0.0152	1.6224
1217	42	41.4	2.704	2.5726	0.1849	5.4616	1.9467	-0.3374	0.0216	1.631
1218	40	41.3	2.7061	2.5703	0.1848	5.4612	2.018	-0.2607	-0.0811	1.6762
1219	41.3	41.2	2.7049	2.5704	0.1838	5.4591	1.9842	-0.2817	-0.0731	1.6294
1220	41.5	41.1	2.7213	2.5518	0.1838	5.4569	1.9085	-0.1932	-0.0632	1.6521
1221	42.2	41	2.7531	2.5193	0.1835	5.456	1.9192	-0.2078	-0.0593	1.6521
1222	41.2	41	2.7557	2.5153	0.1836	5.4546	1.9105	-0.2287	-0.052	1.6299
1223	39.1	40.9	2.7534	2.5145	0.1833	5.4513	1.9648	-0.29	-0.0496	1.6252
1224	40.3	40.9	2.7506	2.5159	0.1828	5.4493	1.9278	-0.2865	-0.043	1.5983
1225	40.2	40.8	2.7491	2.5153	0.1841	5.4485	1.9138	-0.2847	-0.036	1.5931
1226	39.6	40.8	2.748	2.5162	0.1847	5.4489	1.9439	-0.3323	-0.0232	1.5884
1227	41.2	40.7	2.7451	2.5164	0.1854	5.4468	1.9469	-0.3505	-0.0059	1.5905
1228	41.6	40.8	2.7423	2.5189	0.1866	5.4478	1.8675	-0.3031	0.0031	1.5675
1229	40.7	40.7	2.7396	2.5198	0.1867	5.4461	1.8155	-0.2537	0.0174	1.5792
1230	40.3	40.7	2.7382	2.5188	0.1864	5.4434	1.8211	-0.2246	0.0253	1.6218
1231	40.8	40.5	2.7363	2.5186	0.1854	5.4403	1.8748	-0.2853	0.0015	1.591
1232	41.3	40.5	2.7198	2.5331	0.185	5.4379	1.8958	-0.2895	0.0077	1.6139
1233	40.6	40.5	2.7198	2.5318	0.1846	5.4362	1.8718	-0.3041	0.0184	1.5861
1234	40.3	40.5	2.7132	2.5365	0.1845	5.4343	1.8184	-0.2816	0.0242	1.5611
1235	40.5	40.5	2.7115	2.5382	0.1853	5.435	1.8026	-0.2564	0.0206	1.5668
1236	41.2	40.5	2.7108	2.5381	0.1862	5.4351	1.7858	-0.2458	0.0115	1.5516
1237	40.8	40.4	2.7092	2.5391	0.1861	5.4343	1.7888	-0.2445	-0.0095	1.5349
1238	40.7	40.4	2.705	2.5422	0.1864	5.4336	1.816	-0.2576	-0.0148	1.5437
1239	40.5	40.3	2.6982	2.5475	0.1865	5.4322	1.8781	-0.2649	-0.0544	1.5588
1240	38.5	40.3	2.6958	2.5477	0.1868	5.4303	1.9006	-0.2897	-0.0481	1.5628
1241	40.4	40.2	2.6963	2.5468	0.1865	5.4296	1.9265	-0.3222	-0.0411	1.5632
1242	40.1	40.1	2.6904	2.5505	0.186	5.4268	1.9684	-0.361	-0.0248	1.5827
1243	40	40.1	2.6856	2.5534	0.1857	5.4247	2.1092	-0.4958	-0.0223	1.5911
1244	40.8	40.1	2.684	2.5536	0.1854	5.423	2.0854	-0.4957	-0.0271	1.5626
1245	39.2	40	2.6813	2.5555	0.1855	5.4223	2.0753	-0.4787	-0.0235	1.5731
1246	39.5	39.9	2.6775	2.5588	0.1839	5.4202	2.2878	-0.6585	-0.0263	1.603
1247	40.5	39.8	2.6715	2.5627	0.1826	5.4168	2.7294	-1.1324	-0.0167	1.5803
1248	39.5	39.7	2.668	2.5644	0.184	5.4165	2.6794	-1.0927	-0.0112	1.5756
1249	40.1	39.5	2.6646	2.5668	0.1847	5.4161	2.5724	-0.9865	-0.006	1.5799

1250	39.7	39.4	2.6586	2.5694	0.1837	5.4117	2.5203	-0.9252	0.0023	1.5975
1251	39.7	39.3	2.6564	2.572	0.1832	5.4116	2.4152	-0.8723	0.0221	1.565
1252	40.2	39.2	2.6434	2.5804	0.1841	5.4079	2.2946	-0.7222	0.0267	1.5992
1253	40	39.2	2.6376	2.5847	0.184	5.4063	2.2963	-0.7316	0.0206	1.5854
1254	38.1	39	2.6308	2.5872	0.1843	5.4022	2.2904	-0.7367	0.0053	1.5591
1255	38.8	38.9	2.6326	2.5863	0.1845	5.4034	2.3164	-0.768	-0.0192	1.5291
1256	39.5	38.7	2.6314	2.5866	0.1854	5.4034	2.2536	-0.7064	-0.0311	1.5162
1257	38.5	38.5	2.6318	2.5849	0.1858	5.4025	2.2475	-0.7246	-0.0359	1.4869
1258	37.5	38.5	2.6302	2.5849	0.1863	5.4014	2.2335	-0.7095	-0.0366	1.4875
1259	37.3	38.4	2.631	2.5809	0.1867	5.3986	2.1471	-0.6231	-0.0345	1.4895
1260	37.7	38.4	2.6355	2.5752	0.1868	5.3975	2.1092	-0.5933	-0.0201	1.4958
1261	38.4	38.3	2.636	2.5761	0.1866	5.3987	2.0956	-0.5952	-0.0145	1.4859
1262	38.8	38.2	2.6325	2.5788	0.1867	5.398	2.0727	-0.5822	-0.0275	1.463
1263	37.7	38.2	2.6293	2.5806	0.1872	5.3971	1.8335	-0.3237	-0.0325	1.4773
1264	36.7	38.3	2.6256	2.5819	0.187	5.3945	1.6938	-0.1432	-0.0384	1.5122
1265	35.7	38.3	2.6244	2.5808	0.1872	5.3924	1.6278	-0.1181	-0.0405	1.4692
1266	37.9	38.4	2.6217	2.5815	0.1862	5.3894	1.7193	-0.1887	-0.0407	1.4898
1267	39.2	38.4	2.626	2.5745	0.1851	5.3857	1.6992	-0.216	-0.0506	1.4326
1268	38.4	38.6	2.6248	2.5753	0.1844	5.3845	1.743	-0.2591	-0.0437	1.4402
1269	39	38.6	2.626	2.5717	0.1845	5.3822	1.8131	-0.3222	-0.0432	1.4476
1270	38.7	38.6	2.6228	2.5731	0.1848	5.3806	1.8594	-0.3451	-0.0539	1.4604
1271	38.7	38.6	2.6214	2.5746	0.1844	5.3804	2.0517	-0.5512	-0.0441	1.4564
1272	38.9	38.6	2.6163	2.578	0.1845	5.3789	2.3961	-0.8988	-0.0335	1.4638
1273	39.6	38.7	2.6147	2.5792	0.1848	5.3787	2.4637	-0.9583	-0.0334	1.472
1274	40.3	38.7	2.6124	2.5792	0.1856	5.3772	2.468	-0.9979	-0.031	1.4391
1275	40.5	38.8	2.6088	2.5811	0.1852	5.3751	2.4638	-1.0214	-0.0324	1.4099
1276	39.3	38.8	2.6047	2.5848	0.1847	5.3742	2.4586	-1.042	-0.0153	1.4014
1277	39.9	38.6	2.6038	2.5853	0.1842	5.3732	2.451	-1.0294	-0.008	1.4137
1278	38.6	38.5	2.6036	2.5843	0.1836	5.3715	2.436	-1.0262	0.0022	1.412
1279	38.1	38.5	2.5967	2.5865	0.1835	5.3667	2.4641	-1.0107	0.015	1.4684
1280	37.6	38.3	2.587	2.596	0.1854	5.3684	2.4482	-0.9953	0.0099	1.4628
1281	39.6	38.3	2.5853	2.5958	0.1848	5.3659	2.4174	-0.9678	0.0067	1.4563
1282	38.4	38.3	2.5852	2.5965	0.1842	5.3659	2.4012	-0.9573	-0.0049	1.439
1283	37.4	38.2	2.5881	2.5924	0.1845	5.365	2.2505	-0.8122	-0.009	1.4293
1284	36.7	38.1	2.5881	2.5908	0.1848	5.3638	2.2865	-0.8419	-0.0141	1.4305
1285	37.6	38	2.5852	2.5928	0.1854	5.3634	2.2183	-0.7858	-0.0101	1.4224
1286	36.1	37.9	2.5796	2.5953	0.1871	5.362	2.1967	-0.7446	0.0019	1.4541

1287	36.7	37.8	2.5735	2.5982	0.1879	5.3597	2.2206	-0.7563	0.0101	1.4743
1288	37.9	37.8	2.5681	2.6011	0.1878	5.357	2.2408	-0.77	0.0063	1.4771
1289	36.3	37.8	2.5656	2.6016	0.1879	5.3551	2.38	-1.0667	0.166	1.4793
1290	38	37.8	2.5607	2.6063	0.1872	5.3542	2.4262	-1.1731	0.2238	1.4769
1291	38.6	37.7	2.5556	2.6089	0.1858	5.3502	2.4177	-1.1768	0.2135	1.4544
1292	38.1	37.5	2.5431	2.6183	0.1856	5.3471	2.4165	-1.1694	0.2115	1.4586
1293	38.4	37.5	2.5404	2.6193	0.186	5.3456	2.3755	-1.1403	0.2134	1.4487
1294	38.1	37.5	2.5423	2.6175	0.1859	5.3457	2.3262	-1.0675	0.201	1.4597
1295	38.6	37.4	2.5274	2.6272	0.1867	5.3413	2.2896	-1.0458	0.1995	1.4433
1296	38.3	37.5	2.4862	2.6708	0.1869	5.3439	2.2839	-1.0264	0.2023	1.4598
1297	38.3	37.5	2.4848	2.6687	0.1877	5.3411	2.2819	-1.0105	0.1794	1.4507
1298	38.1	37.5	2.4862	2.664	0.1881	5.3383	2.2558	-0.9967	0.151	1.4101
1299	37.7	37.4	2.4881	2.661	0.1871	5.3362	2.2343	-1.0026	0.157	1.3887
1300	36.6	37.3	2.494	2.6566	0.1854	5.3359	2.2075	-0.9932	0.1598	1.3741
1301	35.6	37.2	2.4988	2.6504	0.1852	5.3344	2.1682	-0.9822	0.1503	1.3363
1302	36.8	37.1	2.4952	2.6528	0.1855	5.3334	2.1501	-0.9502	0.1394	1.3393
1303	36.1	37	2.4943	2.6524	0.186	5.3328	2.0171	-0.8473	0.1391	1.3089
1304	36.7	36.9	2.4942	2.6517	0.1871	5.333	1.9756	-0.799	0.13	1.3066
1305	36.9	36.8	2.5002	2.6437	0.1878	5.3317	1.9171	-0.7846	0.1405	1.2731
1306	37.6	36.7	2.5028	2.6409	0.1877	5.3314	1.882	-0.7066	0.137	1.3124
1307	36.8	36.5	2.5027	2.6399	0.1878	5.3305	1.8622	-0.6954	0.1436	1.3104
1308	35.8	36.5	2.5069	2.634	0.1877	5.3286	1.8043	-0.6485	0.1536	1.3094
1309	36.3	36.5	2.5101	2.6296	0.1871	5.3268	1.7796	-0.6037	0.1598	1.3358
1310	35.9	36.5	2.5105	2.6285	0.1869	5.3258	1.8074	-0.6721	0.169	1.3043
1311	36.5	36.6	2.5105	2.6273	0.1872	5.325	1.8741	-0.7468	0.1744	1.3017
1312	36.9	36.6	2.5311	2.6048	0.1875	5.3235	1.8932	-0.7247	0.1712	1.3397
1313	36.1	36.6	2.5426	2.5873	0.1881	5.318	1.9	-0.7113	0.1702	1.3588
1314	35.7	36.7	2.5471	2.5846	0.1882	5.3199	1.9092	-0.7132	0.1781	1.374
1315	36.8	36.7	2.5373	2.5894	0.1891	5.3157	1.9041	-0.7289	0.1953	1.3705
1316	35.4	36.7	2.5323	2.5962	0.1897	5.3181	1.9376	-0.7714	0.2172	1.3835
1317	37.7	36.7	2.5297	2.5986	0.1893	5.3176	1.9142	-0.7565	0.2132	1.371
1318	37.1	36.9	2.5248	2.6025	0.1891	5.3164	1.9699	-0.8274	0.203	1.3455
1319	36.9	36.9	2.5189	2.6049	0.1892	5.313	1.8095	-0.6347	0.174	1.3488
1320	37	37	2.5161	2.6069	0.1882	5.3113	2.1244	-0.9607	0.1602	1.3238
1321	37.1	37	2.5135	2.6092	0.1869	5.3096	2.5753	-1.4053	0.1819	1.352
1322	36.7	37	2.5093	2.6111	0.1869	5.3074	2.6684	-1.4856	0.1813	1.364
1323	37.8	37.1	2.5066	2.6143	0.1864	5.3074	2.6576	-1.4978	0.1781	1.3378

1324	37.5	37.2	2.5042	2.6181	0.186	5.3083	2.6431	-1.4822	0.1791	1.3399
1325	37	37.3	2.5033	2.6195	0.1856	5.3084	2.5772	-1.4345	0.1896	1.3323
1326	38.1	37.4	2.5029	2.6192	0.1855	5.3076	2.4907	-1.3529	0.1898	1.3276
1327	38	37.4	2.5015	2.619	0.1852	5.3056	2.4306	-1.2743	0.1805	1.3369
1328	37.7	37.4	2.4959	2.62	0.1851	5.301	2.3822	-1.2248	0.1699	1.3273
1329	37	37.4	2.4948	2.6193	0.1857	5.2998	2.3564	-1.2167	0.1718	1.3114
1330	37.2	37.5	2.4965	2.6156	0.1857	5.2978	2.3811	-1.2483	0.1743	1.3071
1331	36.7	37.5	2.4962	2.6143	0.1859	5.2964	2.2763	-1.1095	0.1892	1.356
1332	37.4	37.5	2.4948	2.6144	0.1859	5.295	2.2484	-1.1007	0.173	1.3207
1333	37.8	37.4	2.4912	2.616	0.186	5.2932	2.23	-1.0663	0.1721	1.3358
1334	37.9	37.3	2.4914	2.6151	0.1856	5.2921	2.2791	-1.1226	0.1762	1.3327
1335	37.5	37.3	2.4918	2.6127	0.1851	5.2896	2.3115	-1.1624	0.1783	1.3274
1336	37.4	37.3	2.4887	2.6137	0.1852	5.2877	2.3082	-1.1526	0.1879	1.3435
1337	38	37.2	2.4851	2.6161	0.1854	5.2866	2.275	-1.1377	0.2031	1.3404
1338	37.4	37.2	2.467	2.6489	0.1698	5.2857	2.2423	-1.1179	0.2123	1.3367
1339	37.4	37.1	2.4555	2.6648	0.1641	5.2845	2.22	-1.1013	0.1984	1.317
1340	37.3	37.1	2.4541	2.6654	0.1654	5.2849	2.1916	-1.0598	0.1899	1.3216
1341	37.2	37.1	2.4547	2.6637	0.1653	5.2837	2.2034	-1.04	0.1844	1.3478
1342	35.5	36.9	2.4528	2.6645	0.1646	5.2819	2.1907	-1.055	0.177	1.3127
1343	36.6	36.8	2.453	2.6602	0.1656	5.2787	2.0702	-0.9571	0.179	1.292
1344	37	36.7	2.4551	2.6582	0.1654	5.2787	2.0567	-0.9513	0.1771	1.2826
1345	37.2	36.6	2.4529	2.6582	0.1653	5.2763	2.0861	-0.9867	0.1889	1.2883
1346	37	36.5	2.4493	2.6598	0.166	5.2751	1.9625	-0.888	0.1858	1.2602
1347	36.3	36.4	2.4459	2.6623	0.1675	5.2758	1.5728	-0.4396	0.1723	1.3054
1348	36.1	36.3	2.4446	2.6647	0.1683	5.2776	1.577	-0.4573	0.1775	1.2972
1349	36.5	36.2	2.4439	2.6661	0.1687	5.2787	1.6157	-0.5284	0.1907	1.278
1350	36.5	36.1	2.4418	2.6676	0.1686	5.2781	1.6626	-0.6106	0.1878	1.2398
1351	35.2	36	2.4414	2.667	0.1693	5.2777	1.7594	-0.693	0.1629	1.2293
1352	34.8	36.1	2.4417	2.6651	0.1702	5.2771	1.8465	-0.7703	0.1511	1.2274
1353	36.6	36	2.4401	2.6646	0.171	5.2757	1.8423	-0.7589	0.13	1.2134
1354	35.2	35.9	2.439	2.6656	0.1702	5.2749	1.8593	-0.7958	0.133	1.1965
1355	35.8	35.9	2.4444	2.657	0.1708	5.2722	1.8656	-0.8005	0.1276	1.1926
1356	35.2	35.8	2.4452	2.6561	0.171	5.2724	1.9259	-0.8542	0.1424	1.2141
1357	35.8	35.9	2.4514	2.6497	0.1705	5.2716	1.9513	-0.8708	0.1516	1.2321
1358	35.9	36	2.4523	2.6452	0.1703	5.2678	1.903	-0.8121	0.1698	1.2607
1359	35.8	35.9	2.4503	2.6481	0.1698	5.2682	1.8638	-0.8078	0.1844	1.2404
1360	35.4	35.9	2.4481	2.6498	0.1694	5.2673	1.8698	-0.7985	0.1876	1.2588

1361	36.1	35.9	2.4467	2.6486	0.1695	5.2647	1.9075	-0.8367	0.1818	1.2527
1362	36.1	36.1	2.4425	2.6499	0.1697	5.2621	1.9527	-0.8745	0.1829	1.2611
1363	35.1	36.1	2.4384	2.652	0.1694	5.2597	2.2009	-1.1203	0.1824	1.2629
1364	35.9	36.1	2.4352	2.6548	0.1675	5.2575	2.3419	-1.3221	0.1858	1.2056
1365	36.6	36.2	2.4307	2.6579	0.1655	5.254	2.3934	-1.3546	0.1822	1.221
1366	37	36.2	2.4303	2.6571	0.1649	5.2523	2.3243	-1.3208	0.1904	1.1939
1367	37.8	36.2	2.4291	2.6573	0.1648	5.2511	2.296	-1.272	0.2035	1.2275
1368	35.9	36.2	2.4439	2.6388	0.167	5.2496	2.3125	-1.2679	0.211	1.2556
1369	35.8	36.1	2.4136	2.6678	0.1684	5.2498	2.2957	-1.252	0.2092	1.2529
1370	35.9	36.2	2.3652	2.7136	0.1666	5.2454	2.2107	-1.191	0.2183	1.238
1371	37.3	36.2	2.3546	2.7232	0.1663	5.244	2.2753	-1.2273	0.1996	1.2476
1372	36.5	36.3	2.3506	2.7278	0.1667	5.2451	2.3246	-1.2645	0.1752	1.2352
1373	36.1	36.3	2.3504	2.7274	0.1669	5.2447	2.2918	-1.2496	0.1729	1.2151
1374	36.5	36.2	2.3547	2.7227	0.1666	5.244	2.2585	-1.2107	0.1768	1.2246
1375	35.9	36.1	2.3597	2.7164	0.1662	5.2424	2.254	-1.1951	0.1776	1.2365
1376	36.1	36	2.3617	2.7123	0.1666	5.2405	2.3111	-1.2514	0.1804	1.2401
1377	35.2	35.8	2.3656	2.7077	0.1672	5.2405	2.355	-1.3011	0.1803	1.2342
1378	35	35.7	2.368	2.7059	0.1664	5.2403	2.3499	-1.3135	0.1797	1.2161
1379	36.5	35.6	2.3585	2.7114	0.166	5.2359	2.3375	-1.3301	0.1815	1.1889
1380	36.6	35.5	2.3593	2.707	0.1665	5.2328	2.3466	-1.3359	0.1822	1.1929
1381	37.1	35.3	2.3605	2.7059	0.1675	5.2338	2.4005	-1.377	0.1731	1.1966
1382	35.9	35.1	2.3622	2.7031	0.167	5.2323	2.4021	-1.4098	0.1922	1.1844
1383	34.1	35.1	2.3602	2.7046	0.1669	5.2317	2.3733	-1.3663	0.1924	1.1994
1384	35.2	35	2.357	2.7071	0.167	5.2311	2.2855	-1.2506	0.188	1.2229
1385	34.2	34.9	2.3544	2.7081	0.1666	5.2291	2.1253	-1.119	0.1954	1.2017
1386	33.8	34.8	2.3521	2.7091	0.1668	5.228	2.0878	-1.0895	0.2037	1.202
1387	33.9	34.8	2.3493	2.71	0.1667	5.226	2.0646	-1.0777	0.2086	1.1955
1388	34.5	34.7	2.3461	2.7112	0.1679	5.2253	2.0134	-1.0364	0.2136	1.1906
1389	34.4	34.6	2.3464	2.7076	0.169	5.2229	1.8485	-0.711	0.0579	1.1955
1390	33.4	34.5	2.3404	2.7103	0.1688	5.2194	1.7727	-0.5802	0.0041	1.1967
1391	33.4	34.3	2.3365	2.7144	0.1681	5.219	1.7425	-0.5675	0.0201	1.195
1392	34.7	34.2	2.3361	2.714	0.1677	5.2179	1.7431	-0.5678	0.0148	1.1901
1393	35	34.2	2.3347	2.7145	0.1683	5.2174	1.7286	-0.5522	0.0031	1.1794
1394	34.2	34.1	2.3337	2.7162	0.167	5.2169	1.7489	-0.6133	0.018	1.1536
1395	33.9	34.1	2.3312	2.716	0.1681	5.2153	1.8091	-0.6583	0.0213	1.1721
1396	34.9	34.1	2.3289	2.7148	0.1697	5.2134	1.7917	-0.6694	0.0294	1.1517
1397	34.1	34.1	2.3271	2.7144	0.1699	5.2114	1.8063	-0.6664	0.0304	1.1703

1398	34.5	34.1	2.3246	2.7168	0.1691	5.2105	1.8304	-0.683	0.0502	1.1976
1399	34.4	34.1	2.3219	2.7221	0.1683	5.2123	1.8199	-0.6699	0.0521	1.2021
1400	33.9	34.2	2.318	2.7259	0.1691	5.213	1.8215	-0.6566	0.0479	1.2128
1401	33.6	34.2	2.3142	2.7274	0.1701	5.2117	1.7927	-0.6151	0.0413	1.2189
1402	33.8	34.2	2.3109	2.7286	0.1725	5.212	1.7436	-0.5611	0.0542	1.2367
1403	34.1	34.1	2.3084	2.732	0.1727	5.2131	1.712	-0.5439	0.0788	1.2469
1404	34.5	34.1	2.3076	2.7318	0.1743	5.2137	1.6711	-0.521	0.0928	1.2429
1405	32.6	34.1	2.3076	2.7291	0.1736	5.2103	1.7132	-0.5427	0.0873	1.2579
1406	33.8	34.2	2.3077	2.7279	0.1726	5.2082	1.8697	-0.6934	0.094	1.2704
1407	34.8	34.1	2.3124	2.7211	0.1708	5.2044	1.932	-0.7379	0.0913	1.2853
1408	34.6	34.2	2.3205	2.7148	0.1693	5.2046	2.0237	-0.8219	0.0877	1.2894
1409	34.8	34.2	2.3231	2.7094	0.1684	5.2009	2.0105	-0.8302	0.0767	1.257
1410	34	34.2	2.3198	2.7121	0.1687	5.2006	2.0411	-0.834	0.0622	1.2693
1411	33.6	34.3	2.3153	2.7148	0.1689	5.1989	2.0672	-0.8724	0.0562	1.2509
1412	34	34.2	2.3111	2.7169	0.1693	5.1972	2.0477	-0.9128	0.0623	1.1972
1413	33.8	34.2	2.3084	2.7195	0.1696	5.1975	1.9987	-0.8843	0.0648	1.1792
1414	35	34.2	2.3078	2.7201	0.1699	5.1978	1.9805	-0.8632	0.043	1.1603
1415	35.5	34.2	2.3048	2.7215	0.17	5.1963	2.0306	-0.9119	0.0131	1.1318
1416	33.3	34.2	2.3027	2.7234	0.1693	5.1954	2.0052	-0.9064	-0.0122	1.0866
1417	35.4	34.2	2.2985	2.7253	0.1682	5.192	2.0056	-0.9149	-0.0157	1.075
1418	34.3	34.2	2.2952	2.7277	0.1682	5.1911	1.983	-0.8979	-0.0097	1.0753
1419	34.7	34.2	2.2979	2.724	0.1673	5.1892	2.1443	-1.0699	0.0068	1.0812
1420	34.4	34.2	2.2886	2.7297	0.1683	5.1865	1.8023	-0.7318	0.0178	1.0882
1421	33	34.2	2.2811	2.7357	0.1694	5.1861	1.2776	-0.2577	0.0452	1.0651
1422	33.1	34.3	2.2802	2.736	0.1697	5.1859	1.1125	-0.1198	0.0567	1.0494
1423	34.4	34.4	2.2808	2.7353	0.1688	5.1849	1.0687	-0.0555	0.0581	1.0713
1424	33.8	34.3	2.2788	2.7376	0.1683	5.1847	1.1097	-0.0881	0.0549	1.0766
1425	33.2	34.3	2.2722	2.7446	0.1676	5.1844	1.1665	-0.1712	0.0606	1.0558
1426	34.6	34.4	2.2674	2.7493	0.1674	5.1841	1.2298	-0.2303	0.0613	1.0608
1427	34.7	34.3	2.2665	2.7504	0.1672	5.184	1.2452	-0.2484	0.0607	1.0576
1428	34.9	34.3	2.2621	2.753	0.1669	5.1821	1.2641	-0.2412	0.0651	1.088
1429	34	34.2	2.2601	2.7529	0.1675	5.1805	1.2193	-0.1564	0.06	1.1229
1430	34.1	34.2	2.2564	2.7533	0.1684	5.1782	1.0802	-0.0422	0.0613	1.0993
1431	35.2	34.3	2.256	2.7553	0.1667	5.178	1.0933	-0.0742	0.0728	1.0918
1432	35.4	34.4	2.2574	2.751	0.1666	5.175	1.1374	-0.0907	0.0835	1.1302
1433	34.6	34.4	2.2626	2.7411	0.1672	5.1709	1.2122	-0.1379	0.0771	1.1515
1434	34.4	34.4	2.2789	2.727	0.166	5.1719	1.2075	-0.1302	0.0727	1.1499

1435	34.6	34.4	2.283	2.7216	0.1647	5.1693	1.2023	-0.1194	0.0741	1.1569
1436	34.4	34.4	2.2822	2.7215	0.1644	5.1681	1.2511	-0.1497	0.0713	1.1727
1437	33.5	34.3	2.2837	2.7198	0.1641	5.1676	1.2569	-0.176	0.0723	1.1532
1438	34	34.2	2.2821	2.72	0.164	5.1661	1.2038	-0.1407	0.0721	1.1352
1439	34	34.2	2.2783	2.7228	0.1637	5.1648	1.168	-0.1233	0.0827	1.1275
1440	34.9	34.1	2.2798	2.7221	0.1634	5.1654	1.1849	-0.1923	0.107	1.0996
1441	34.5	33.9	2.2803	2.7205	0.1638	5.1647	1.1218	-0.1628	0.1104	1.0694
1442	34	33.7	2.2799	2.7197	0.1643	5.164	1.0949	-0.1213	0.1014	1.075
1443	34.1	33.7	2.2781	2.7215	0.1638	5.1634	1.0902	-0.1154	0.0978	1.0726
1444	34.4	33.7	2.2742	2.724	0.1633	5.1615	1.0055	-0.033	0.102	1.0745
1445	33.5	33.6	2.2737	2.7251	0.1623	5.1611	0.9491	0.0588	0.0786	1.0864
1446	33.5	33.6	2.2687	2.7265	0.1629	5.1581	0.8955	0.0889	0.0886	1.073
1447	33.4	33.6	2.2629	2.7306	0.1625	5.156	0.8812	0.0599	0.1103	1.0513
1448	32.9	33.5	2.2626	2.7317	0.1631	5.1574	0.8942	0.0275	0.1152	1.0369
1449	31.8	33.5	2.2617	2.7317	0.1639	5.1574	0.8978	0.0427	0.0857	1.0262
1450	31.4	33.4	2.2625	2.7291	0.1645	5.1562	0.8676	0.1037	0.0737	1.045
1451	32.9	33.4	2.2671	2.7231	0.1639	5.154	0.8796	0.1041	0.0757	1.0595
1452	33.9	33.4	2.2705	2.7195	0.1624	5.1524	0.8683	0.105	0.0924	1.0657
1453	33.8	33.3	2.273	2.7167	0.1617	5.1514	0.8484	0.1071	0.1263	1.0817
1454	33.5	33.2	2.2677	2.7199	0.1615	5.1491	0.8238	0.1484	0.1369	1.1092
1455	34	33.2	2.2574	2.7263	0.1614	5.1452	0.8129	0.1687	0.1558	1.1374
1456	33.3	33.1	2.252	2.7299	0.1619	5.1439	0.8174	0.1543	0.147	1.1187
1457	33.6	33	2.249	2.7319	0.1617	5.1427	0.8728	0.1077	0.1328	1.1133
1458	33.8	32.9	2.2512	2.7283	0.1626	5.1421	0.9607	0.0016	0.1107	1.073
1459	32.8	32.8	2.2462	2.7315	0.1635	5.1412	1.0795	-0.0927	0.0922	1.0789
1460	34.1	32.8	2.2414	2.7371	0.1637	5.1422	1.1584	-0.1664	0.0803	1.0723
1461	33.3	32.6	2.2419	2.7398	0.1633	5.145	1.1793	-0.1846	0.0809	1.0756
1462	33.3	32.5	2.2426	2.7383	0.1632	5.1442	1.1377	-0.1534	0.0829	1.0671
1463	32.7	32.3	2.2403	2.7383	0.1651	5.1437	1.0958	-0.1154	0.0858	1.0662
1464	33	32.2	2.2322	2.7459	0.1662	5.1443	1.0878	-0.0873	0.0916	1.0921
1465	32.1	32.2	2.2302	2.7485	0.1667	5.1454	1.0667	-0.0502	0.0946	1.1111
1466	31.1	32.1	2.2297	2.7486	0.1665	5.1448	1.0364	-0.0293	0.0922	1.0993
1467	30.7	32.1	2.2308	2.7471	0.1658	5.1436	1.053	-0.0463	0.086	1.0927
1468	30.1	32.1	2.2294	2.7458	0.1663	5.1415	1.0274	-0.0405	0.0747	1.0617
1469	31.3	32.2	2.2334	2.741	0.1667	5.141	1.0213	-0.0442	0.074	1.0512
1470	29.4	32.1	2.2375	2.7394	0.162	5.1389	1.0579	-0.0962	0.0682	1.03
1471	30.8	32.2	2.2434	2.7351	0.1606	5.1391	0.9585	-0.0347	0.0799	1.0036

1472	31.3	32.2	2.2437	2.7333	0.1609	5.1379	0.913	0.009	0.0889	1.0109
1473	31.8	32.3	2.2394	2.7362	0.1614	5.1371	0.9413	-0.0241	0.0889	1.0061
1474	32.4	32.2	2.238	2.7398	0.1606	5.1384	0.983	-0.0528	0.0805	1.0107
1475	32.5	32.2	2.2367	2.7395	0.1601	5.1363	0.9508	-0.0119	0.0756	1.0144
1476	32.8	32.3	2.2371	2.7371	0.1605	5.1348	0.8562	0.0915	0.0624	1.0101
1477	34.3	32.4	2.2392	2.7319	0.1607	5.1317	0.7975	0.1795	0.0395	1.0165
1478	33.9	32.6	2.246	2.7216	0.1605	5.1281	0.8262	0.1714	0.0372	1.0348
1479	34	32.7	2.2505	2.7156	0.1599	5.126	0.8413	0.1571	0.0291	1.0276
1480	35	32.8	2.25	2.7144	0.1592	5.1236	0.8648	0.138	0.0261	1.0289
1481	33.5	32.9	2.2468	2.715	0.1591	5.1208	0.8305	0.1469	0.0362	1.0136
1482	33.2	32.9	2.241	2.7169	0.1593	5.1171	0.8671	0.1368	0.0297	1.0335
1483	32.3	32.8	2.2394	2.7177	0.1597	5.1168	0.9237	0.0759	0.0325	1.0321
1484	32.4	32.7	2.2368	2.719	0.1596	5.1154	1.0016	-0.0355	0.0441	1.0103
1485	32.2	32.6	2.2293	2.723	0.1595	5.1118	1.1757	-0.1753	0.0383	1.0387
1486	33.1	32.5	2.2264	2.7267	0.1596	5.1127	1.2328	-0.2237	0.0358	1.0448
1487	33.9	32.2	2.2289	2.7241	0.1595	5.1125	1.2642	-0.2544	0.039	1.0488
1488	33.1	32	2.2293	2.7236	0.1596	5.1125	1.2862	-0.2651	0.0478	1.0688
1489	31.6	31.8	2.2279	2.7268	0.1583	5.113	1.3363	-0.3308	0.061	1.0666
1490	31.7	31.5	2.2282	2.7266	0.1577	5.1125	1.3199	-0.3036	0.0616	1.0778
1491	31.3	31.4	2.227	2.7265	0.1579	5.1115	1.3406	-0.3331	0.0637	1.0712
1492	30.8	31.3	2.2271	2.7256	0.1579	5.1106	1.3774	-0.3756	0.0689	1.0707
1493	30.6	31.3	2.2341	2.7178	0.1581	5.1099	1.4082	-0.3948	0.0704	1.0838
1494	30.5	31.2	2.2388	2.7103	0.1591	5.1082	1.4138	-0.3811	0.0567	1.0894
1495	30	31.2	2.2416	2.7071	0.1593	5.108	1.3968	-0.3596	0.0465	1.0837
1496	29.3	31.1	2.2408	2.7088	0.1587	5.1083	1.4021	-0.3489	0.0387	1.0918
1497	29	31	2.2377	2.7116	0.1584	5.1077	1.338	-0.3094	0.0465	1.0751
1498	30.7	30.8	2.2348	2.7126	0.1605	5.1079	1.271	-0.2423	0.0416	1.0703
1499	30	30.7	2.2351	2.7117	0.161	5.1078	1.2825	-0.225	0.038	1.0954
1500	31.3	30.7	2.2301	2.7154	0.1615	5.107	1.3053	-0.2693	0.0474	1.0834
1501	31.5	30.7	2.2273	2.7169	0.1608	5.1051	1.2936	-0.2826	0.0693	1.0803
1502	31.8	30.8	2.2261	2.7179	0.1598	5.1039	1.3526	-0.3493	0.0666	1.0699
1503	31.2	30.8	2.226	2.7171	0.1591	5.1022	1.386	-0.3709	0.0395	1.0547
1504	31.6	31	2.2264	2.7149	0.1587	5.1	1.4127	-0.3979	0.0375	1.0524
1505	31.5	31.1	2.2259	2.7137	0.1589	5.0984	1.3888	-0.328	-0.0223	1.0385
1506	30.8	31.3	2.2204	2.7172	0.1593	5.0969	1.4585	-0.1874	-0.2925	0.9786
1507	29.6	31.5	2.2163	2.721	0.1598	5.0971	1.4356	-0.1702	-0.2672	0.9982
1508	30.9	31.6	2.2125	2.7241	0.1601	5.0967	1.4388	-0.1608	-0.2675	1.0105

1509	31.1	31.7	2.2073	2.7261	0.1604	5.0937	1.5094	-0.2411	-0.2551	1.0133
1510	31.5	31.8	2.2018	2.7306	0.1606	5.093	1.5171	-0.2455	-0.2443	1.0273
1511	32.3	31.8	2.2015	2.7301	0.1606	5.0922	1.5263	-0.2219	-0.2495	1.055
1512	31.5	31.8	2.2015	2.7284	0.1607	5.0906	1.5624	-0.217	-0.2577	1.0877
1513	33.1	31.8	2.1997	2.7282	0.1604	5.0883	1.5526	-0.2287	-0.2533	1.0705
1514	33.1	31.8	2.2011	2.7251	0.1605	5.0867	1.5266	-0.2362	-0.2339	1.0565
1515	32.5	31.8	2.2012	2.7244	0.1608	5.0864	1.4332	-0.1439	-0.2407	1.0487
1516	33.2	31.8	2.1974	2.728	0.1607	5.0861	1.4183	-0.1166	-0.2381	1.0635
1517	32.9	31.8	2.1957	2.7294	0.1607	5.0858	1.4213	-0.11	-0.2516	1.0598
1518	31.8	31.7	2.1931	2.7321	0.1608	5.086	1.4705	-0.1417	-0.2489	1.0799
1519	32	31.6	2.1921	2.7336	0.1605	5.0862	1.4468	-0.1494	-0.2333	1.0641
1520	31.8	31.6	2.1928	2.7331	0.1603	5.0862	1.4596	-0.1769	-0.2216	1.0611
1521	31.8	31.5	2.1898	2.7348	0.1605	5.085	1.4511	-0.1443	-0.2682	1.0387
1522	31.8	31.4	2.186	2.7385	0.1608	5.0852	1.4638	-0.154	-0.2807	1.0291
1523	31.3	31.2	2.1825	2.7406	0.1607	5.0838	1.4411	-0.1307	-0.2811	1.0293
1524	31.3	31	2.1837	2.7388	0.1607	5.0832	1.3879	-0.0694	-0.2855	1.033
1525	30.1	30.9	2.1865	2.7355	0.1614	5.0834	1.3522	0.005	-0.2977	1.0594
1526	29.4	30.8	2.1877	2.7313	0.1635	5.0825	1.3236	0.0402	-0.3073	1.0565
1527	29.4	30.8	2.1838	2.7332	0.1635	5.0805	1.3201	0.04	-0.3022	1.0579
1528	30	30.8	2.178	2.7373	0.164	5.0794	1.3168	0.0065	-0.2968	1.0265
1529	30.5	30.8	2.1737	2.7391	0.1649	5.0776	1.4375	-0.1243	-0.3024	1.0108
1530	30.4	30.7	2.1734	2.7386	0.1648	5.0768	1.489	-0.1775	-0.3122	0.9993
1531	29.7	30.7	2.1693	2.7417	0.1637	5.0746	1.51	-0.2029	-0.3207	0.9864
1532	29.2	30.6	2.1651	2.7434	0.1634	5.0718	1.5205	-0.2134	-0.321	0.9861
1533	29	30.7	2.1624	2.7447	0.1628	5.0699	1.4882	-0.2366	-0.3084	0.9431
1534	31.2	30.7	2.1613	2.7445	0.1622	5.068	1.5075	-0.27	-0.3012	0.9363
1535	31.8	30.9	2.1597	2.744	0.1611	5.0649	1.5021	-0.2818	-0.3006	0.9198
1536	31.8	31	2.1558	2.747	0.1605	5.0632	1.4712	-0.282	-0.3005	0.8887
1537	32.2	31.1	2.1551	2.7463	0.1593	5.0607	1.4892	-0.2786	-0.3052	0.9054
1538	31.6	31.1	2.1485	2.7531	0.1579	5.0595	1.5479	-0.3255	-0.3167	0.9057
1539	31	31.1	2.1463	2.7532	0.1576	5.057	1.5768	-0.3345	-0.3213	0.921
1540	31.3	31.1	2.1458	2.7554	0.1571	5.0583	1.6007	-0.2983	-0.3463	0.9561
1541	30.9	31.1	2.1426	2.7581	0.1569	5.0576	1.6316	-0.3207	-0.3554	0.9555
1542	32.1	31.1	2.1391	2.7592	0.1573	5.0556	1.6179	-0.3473	-0.3339	0.9367
1543	32.5	31.2	2.1367	2.7596	0.1581	5.0544	1.6496	-0.3871	-0.3153	0.9471
1544	32.3	31.1	2.1345	2.76	0.1587	5.0531	1.7499	-0.4984	-0.3091	0.9424
1545	31.6	31	2.1335	2.76	0.1584	5.0519	1.8376	-0.5937	-0.2886	0.9552

1546	31.2	30.9	2.1349	2.7574	0.1583	5.0506	1.8016	-0.5536	-0.2804	0.9676
1547	30.6	30.8	2.1358	2.7549	0.1583	5.049	1.7824	-0.4845	-0.2967	1.0011
1548	30.1	30.7	2.1344	2.7542	0.1593	5.0479	1.7832	-0.4727	-0.3035	1.007
1549	30.7	30.6	2.1312	2.7587	0.1592	5.0491	1.7835	-0.4779	-0.2923	1.0132
1550	29.7	30.5	2.1332	2.7574	0.1576	5.0482	1.8167	-0.4881	-0.2967	1.0318
1551	30	30.5	2.1318	2.758	0.1572	5.0471	1.8216	-0.4736	-0.2939	1.0541
1552	29.4	30.4	2.1319	2.7566	0.1584	5.0469	1.8611	-0.5056	-0.2981	1.0574
1553	29.4	30.3	2.1317	2.7565	0.158	5.0462	1.8788	-0.531	-0.2931	1.0547
1554	29.9	30.2	2.1288	2.7527	0.1637	5.0453	1.8938	-0.5468	-0.2967	1.0503
1555	30.6	30.2	2.1116	2.7451	0.1907	5.0473	1.9339	-0.6015	-0.308	1.0244
1556	30.5	30.1	2.1085	2.747	0.1886	5.044	1.9817	-0.6459	-0.3102	1.0257
1557	30	30.1	2.1052	2.748	0.1885	5.0416	1.9478	-0.6211	-0.3072	1.0195
1558	29.1	30.1	2.1003	2.7524	0.1881	5.0408	1.9252	-0.5829	-0.3001	1.0422
1559	29.2	30.1	2.0945	2.7561	0.188	5.0385	1.9411	-0.5873	-0.2945	1.0593
1560	29.9	30.1	2.0887	2.7593	0.1887	5.0367	1.9084	-0.5868	-0.2857	1.0359
1561	30.4	30.1	2.0857	2.7615	0.189	5.0362	1.839	-0.5248	-0.2801	1.034
1562	31	30.1	2.0874	2.7612	0.1886	5.0371	1.8162	-0.5111	-0.27	1.0351
1563	31.3	30.1	2.0877	2.7619	0.1885	5.038	1.8172	-0.5083	-0.2713	1.0376
1564	31.4	30.1	2.0888	2.7603	0.1903	5.0394	1.8334	-0.5399	-0.2735	1.02
1565	29.2	30.2	2.0883	2.7602	0.1905	5.039	1.8821	-0.5953	-0.2708	1.016
1566	30.7	30.2	2.0876	2.7596	0.1917	5.0388	1.9073	-0.6312	-0.2671	1.0091
1567	29.4	30.3	2.0837	2.7612	0.1907	5.0356	1.893	-0.6399	-0.2558	0.9973
1568	30.5	30.4	2.0848	2.7607	0.1896	5.0351	1.9245	-0.6669	-0.2446	1.013
1569	30	30.6	2.0874	2.7587	0.1888	5.0349	1.9461	-0.686	-0.2402	1.0199
1570	30.1	30.7	2.0924	2.7538	0.1889	5.035	1.9587	-0.6881	-0.237	1.0336
1571	30.2	30.8	2.097	2.7505	0.1887	5.0362	1.94	-0.6748	-0.2363	1.0288
1572	29.3	30.8	2.0996	2.7464	0.189	5.035	1.9397	-0.6717	-0.2366	1.0314
1573	29.8	30.9	2.1007	2.7431	0.1899	5.0338	1.889	-0.6151	-0.2381	1.0359
1574	31.1	30.8	2.1028	2.7393	0.1903	5.0324	1.8659	-0.6007	-0.2386	1.0265
1575	31.6	30.9	2.1044	2.7354	0.1908	5.0307	1.8702	-0.6067	-0.2501	1.0134
1576	32.1	30.9	2.1051	2.7331	0.1908	5.029	1.8961	-0.6159	-0.2624	1.0178
1577	31.2	30.9	2.1075	2.7312	0.1904	5.029	1.9077	-0.6431	-0.2487	1.016
1578	32.6	30.9	2.1023	2.734	0.1907	5.027	1.8463	-0.5931	-0.2488	1.0045
1579	30.8	30.9	2.1016	2.7333	0.1911	5.0261	1.7742	-0.5462	-0.2335	0.9945
1580	32.1	30.9	2.099	2.7347	0.1913	5.025	1.7621	-0.5455	-0.2204	0.9962
1581	32.1	31	2.0947	2.7363	0.1912	5.0222	1.7926	-0.5583	-0.2299	1.0044
1582	32.5	31	2.0922	2.7405	0.1901	5.0228	1.7006	-0.4671	-0.2447	0.9888

1583	30.8	31	2.0887	2.7447	0.1898	5.0231	1.6555	-0.4371	-0.2519	0.9666
1584	30	30.9	2.0865	2.7472	0.1897	5.0234	1.6806	-0.4611	-0.2573	0.9622
1585	30.5	30.7	2.0822	2.7512	0.1896	5.023	1.6261	-0.4027	-0.2601	0.9633
1586	30.3	30.7	2.0775	2.7545	0.1901	5.0221	1.5901	-0.3858	-0.2677	0.9366
1587	30.5	30.7	2.0741	2.7566	0.1912	5.0219	1.5471	-0.3308	-0.2762	0.94
1588	29.9	30.6	2.0717	2.757	0.1918	5.0204	1.5722	-0.3518	-0.2917	0.9287
1589	30.3	30.6	2.0678	2.7566	0.1929	5.0174	1.5053	-0.2664	-0.3067	0.9322
1590	30.7	30.5	2.065	2.7586	0.1933	5.0169	1.5165	-0.2848	-0.3179	0.9138
1591	30.2	30.3	2.0652	2.7612	0.1913	5.0178	1.5322	-0.286	-0.3297	0.9165
1592	29	30.2	2.0621	2.7643	0.1895	5.0159	1.5342	-0.2691	-0.334	0.9311
1593	29.3	30.2	2.0591	2.7676	0.189	5.0157	1.5125	-0.2811	-0.3251	0.9064
1594	29.4	30.2	2.055	2.7697	0.188	5.0127	1.4843	-0.2848	-0.3117	0.8878
1595	30.9	30.2	2.0615	2.7625	0.1873	5.0112	1.4602	-0.2968	-0.2983	0.865
1596	31.3	30.1	2.0626	2.7572	0.1883	5.0082	1.4719	-0.3144	-0.29	0.8675
1597	30.7	30.2	2.0594	2.7589	0.1888	5.007	1.5161	-0.3512	-0.2939	0.871
1598	31.1	30.2	2.0565	2.7604	0.1897	5.0066	1.5371	-0.3692	-0.2951	0.8727
1599	29.4	30.2	2.0534	2.7605	0.1906	5.0046	1.4988	-0.3348	-0.3015	0.8625
1600	29.5	30.1	2.0479	2.7628	0.1909	5.0016	1.4621	-0.2764	-0.2949	0.8908
1601	30.2	30	2.0412	2.7675	0.1907	4.9994	1.5151	-0.291	-0.3092	0.9149
1602	30.3	30	2.0382	2.771	0.1891	4.9984	1.4908	-0.2806	-0.3096	0.9006
1603	30.1	29.9	2.0366	2.7718	0.1887	4.9972	1.4651	-0.2622	-0.3019	0.9009
1604	29.8	29.9	2.033	2.775	0.1895	4.9975	1.4524	-0.2478	-0.3232	0.8815
1605	29.9	29.8	2.0277	2.7783	0.1899	4.9958	1.4391	-0.2925	-0.2746	0.872
1606	31.4	29.6	2.0256	2.7793	0.19	4.9949	1.2665	-0.3647	0.0039	0.9057
1607	29.8	29.5	2.0238	2.7793	0.1898	4.9929	1.2425	-0.3416	-0.0029	0.8979
1608	30.5	29.4	2.0184	2.7828	0.1895	4.9907	1.233	-0.3468	0.0054	0.8916
1609	28.3	29.4	2.0165	2.7847	0.1889	4.9901	1.1327	-0.242	-0.0013	0.8895
1610	28.7	29.4	2.018	2.7831	0.1886	4.9896	1.0413	-0.1749	0.0025	0.8689
1611	28.8	29.3	2.0199	2.7812	0.1876	4.9887	0.9953	-0.1579	0.0017	0.8391
1612	28.8	29.3	2.0198	2.7792	0.1878	4.9868	0.9667	-0.1178	-0.0166	0.8323
1613	28.4	29.2	2.0163	2.7822	0.1878	4.9863	1.0098	-0.1382	-0.0199	0.8517
1614	28.8	29.2	2.0129	2.7846	0.1876	4.9851	1.0442	-0.1386	-0.0128	0.8928
1615	28.9	29.1	2.0105	2.7875	0.1875	4.9855	1.1015	-0.1849	0.0143	0.931
1616	28.1	28.9	2.0081	2.792	0.1863	4.9864	1.1416	-0.2216	0.0261	0.9462
1617	29.3	28.8	2.0033	2.7961	0.1852	4.9845	1.1944	-0.2996	0.0517	0.9465
1618	29	28.7	1.9985	2.8007	0.1848	4.984	1.2209	-0.3434	0.046	0.9235
1619	29	28.7	1.9962	2.8024	0.1842	4.9829	1.2491	-0.3647	0.0213	0.9056

1620	29.3	28.8	1.9988	2.8006	0.1839	4.9833	1.2771	-0.3902	0.0027	0.8896
1621	29.9	28.8	1.9958	2.802	0.1842	4.9819	1.3563	-0.4573	0.0033	0.9023
1622	29	28.9	1.9971	2.8	0.1846	4.9817	1.4459	-0.5193	-0.0069	0.9197
1623	29.1	29.1	1.9959	2.8007	0.1846	4.9812	1.5109	-0.602	0.0039	0.9128
1624	27.7	29.1	1.9967	2.7994	0.1857	4.9819	1.5518	-0.6804	0.012	0.8835
1625	27.9	29.2	1.9969	2.7971	0.1876	4.9816	1.6269	-0.7599	0.0163	0.8833
1626	27.4	29.4	1.9969	2.7956	0.1884	4.9809	1.6528	-0.807	0.0264	0.8721
1627	28.4	29.4	1.9992	2.7925	0.1884	4.9801	1.6905	-0.8419	0.0245	0.8732
1628	29.2	29.5	2.0006	2.7919	0.1874	4.9799	1.7067	-0.86	0.0193	0.866
1629	29.3	29.5	1.9975	2.7936	0.1869	4.978	1.6462	-0.8166	0.0223	0.8519
1630	30.1	29.6	1.9941	2.7945	0.1878	4.9764	1.6196	-0.782	0.0249	0.8625
1631	30.9	29.5	1.9992	2.7884	0.1882	4.9758	1.6224	-0.7554	0.0098	0.8768
1632	30.7	29.6	1.9995	2.7871	0.1886	4.9752	1.5935	-0.7189	-0.007	0.8677
1633	30.4	29.6	1.9944	2.7908	0.1885	4.9737	1.5564	-0.6703	-0.0082	0.8779
1634	30.4	29.7	1.9987	2.7848	0.1882	4.9717	1.5187	-0.6265	0.0035	0.8957
1635	30.7	29.9	2.0007	2.7826	0.1879	4.9712	1.5253	-0.606	0.0053	0.9246
1636	30.4	30	2.0011	2.78	0.1881	4.9692	1.4587	-0.5253	-0.0119	0.9215
1637	30.1	30.1	1.9979	2.7815	0.1885	4.9678	1.3947	-0.4511	-0.0202	0.9235
1638	29.9	30.1	1.998	2.7797	0.1886	4.9663	1.3705	-0.4263	-0.0175	0.9267
1639	29.9	30.1	1.9946	2.7817	0.1893	4.9656	1.3542	-0.4049	-0.016	0.9333
1640	29.5	30	1.9925	2.784	0.19	4.9666	1.3436	-0.4101	0.0007	0.9342
1641	29.3	29.9	1.9892	2.785	0.1903	4.9645	1.1691	-0.3379	-0.0002	0.831
1642	30	29.7	1.9879	2.7873	0.1898	4.965	1.0969	-0.1298	-0.01	0.957
1643	29.8	29.6	1.9883	2.7881	0.1893	4.9657	1.0697	-0.1037	-0.0261	0.94
1644	30.6	29.5	1.9885	2.7896	0.1885	4.9666	1.0541	-0.077	-0.0306	0.9465
1645	30.4	29.4	1.9863	2.7915	0.1875	4.9652	1.0406	-0.0869	-0.0329	0.9207
1646	29.8	29.3	1.9833	2.7925	0.1877	4.9635	1.1225	-0.174	-0.0402	0.9083
1647	30.2	29.3	1.9821	2.7918	0.1878	4.9617	1.1537	-0.2334	-0.0341	0.8863
1648	28.8	29.3	1.9845	2.7877	0.1894	4.9616	1.0978	-0.1893	-0.0291	0.8794
1649	28.2	29.3	1.985	2.7863	0.1887	4.96	1.0793	-0.1825	-0.0195	0.8773
1650	28.2	29.4	1.9817	2.7865	0.1885	4.9567	1.071	-0.1996	-0.0131	0.8583
1651	27.8	29.4	1.9827	2.7861	0.1882	4.957	0.9692	-0.1147	-0.0269	0.8276
1652	28.4	29.5	1.9854	2.7828	0.1886	4.9568	0.8963	-0.0363	-0.0553	0.8048
1653	28.8	29.5	1.9864	2.7813	0.1903	4.958	0.9207	-0.0343	-0.081	0.8053
1654	28.8	29.5	1.9849	2.782	0.1912	4.9581	0.9477	-0.0553	-0.096	0.7964
1655	28.8	29.5	1.9849	2.7815	0.1903	4.9567	0.9389	-0.0459	-0.0982	0.7947
1656	29.1	29.4	1.9842	2.7811	0.1889	4.9543	0.9092	-0.0024	-0.1028	0.804

1657	30.2	29.3	1.9819	2.7827	0.1879	4.9525	0.8666	0.0278	-0.098	0.7965
1658	30.8	29.3	1.987	2.7766	0.1883	4.9518	0.8735	0.0169	-0.0935	0.7969
1659	30.5	29.2	1.9903	2.7736	0.1877	4.9516	0.8805	0.007	-0.0882	0.7993
1660	29.6	29.2	1.9892	2.7751	0.1885	4.9528	0.9136	-0.0079	-0.0895	0.8161
1661	31.2	29.3	1.989	2.7733	0.1907	4.953	0.95	-0.0488	-0.089	0.8122
1662	30.7	29.3	1.9864	2.775	0.1905	4.9519	0.958	-0.0517	-0.0941	0.8123
1663	30.7	29.3	1.9832	2.7758	0.1898	4.9488	0.9489	-0.0612	-0.0925	0.7951
1664	30.2	29.2	1.9787	2.7788	0.1888	4.9463	0.9369	-0.0694	-0.0989	0.7685
1665	28.5	29.2	1.9742	2.7824	0.1879	4.9444	0.9336	-0.0661	-0.1072	0.7603
1666	27.7	29.1	1.9682	2.7895	0.1865	4.9442	0.9945	-0.094	-0.1117	0.7889
1667	27.6	29.1	1.9616	2.7956	0.1861	4.9433	1.0611	-0.1198	-0.1432	0.7981
1668	28	28.9	1.9598	2.7972	0.1875	4.9445	1.0442	-0.0918	-0.1552	0.7972
1669	27.7	28.8	1.9597	2.7977	0.1886	4.9459	0.9674	-0.0003	-0.1599	0.8072
1670	28.8	28.8	1.9567	2.7995	0.1885	4.9448	0.9516	0.0178	-0.1654	0.804
1671	28.5	28.6	1.9524	2.8025	0.1894	4.9442	1.0258	-0.0233	-0.1598	0.8428
1672	28.6	28.5	1.9485	2.8066	0.1887	4.9437	1.02	-0.0209	-0.1459	0.8532
1673	28.3	28.5	1.9455	2.8112	0.1887	4.9454	1.0825	-0.062	-0.1379	0.8826
1674	27.8	28.5	1.9401	2.8153	0.1887	4.9441	1.0917	-0.0634	-0.1326	0.8957
1675	27.9	28.5	1.9391	2.8161	0.1882	4.9434	1.102	-0.0742	-0.117	0.9109
1676	29.2	28.7	1.9361	2.8173	0.1883	4.9417	1.1157	-0.0992	-0.0972	0.9193
1677	27.6	28.9	1.9368	2.8172	0.1884	4.9425	1.1417	-0.1356	-0.0809	0.9252
1678	28	29	1.9377	2.8157	0.1885	4.9418	1.2237	-0.2106	-0.0767	0.9364
1679	29.2	29.2	1.9397	2.8115	0.1886	4.9398	1.271	-0.231	-0.0944	0.9456
1680	28.6	29.3	1.9368	2.8102	0.1903	4.9373	1.2427	-0.2038	-0.0974	0.9416
1681	29	29.3	1.9354	2.8082	0.1919	4.9354	1.217	-0.2108	-0.0575	0.9487
1682	29.7	29.3	1.9366	2.8076	0.1909	4.935	1.2956	-0.2965	-0.0445	0.9545
1683	29.8	29.4	1.9368	2.8073	0.1894	4.9335	1.3201	-0.33	-0.0453	0.9447
1684	30.1	29.4	1.934	2.8078	0.1891	4.9309	1.2172	-0.2412	-0.0466	0.9294
1685	30.3	29.5	1.9363	2.8038	0.1907	4.9308	1.2551	-0.2903	-0.0579	0.9069
1686	31	29.5	1.938	2.7996	0.1921	4.9298	1.2773	-0.306	-0.0626	0.9087
1687	31.1	29.6	1.9371	2.7993	0.1929	4.9292	1.3075	-0.357	-0.0557	0.8948
1688	30.8	29.6	1.9362	2.7975	0.1934	4.9271	1.283	-0.3515	-0.0411	0.8904
1689	30.4	29.6	1.9335	2.7977	0.1928	4.9239	1.2755	-0.3665	-0.0342	0.8747
1690	28.9	29.6	1.9481	2.7924	0.1933	4.9338	1.2095	-0.3039	-0.0231	0.8825
1691	29.6	29.6	1.9555	2.7742	0.1923	4.9221	1.1896	-0.2595	-0.0111	0.919
1692	29.1	29.6	1.9552	2.7747	0.1921	4.9219	1.2026	-0.2707	-0.0073	0.9246
1693	28.4	29.6	1.9537	2.7753	0.192	4.921	1.2341	-0.2637	-0.0214	0.949

1694	29.6	29.5	1.9509	2.7784	0.1913	4.9206	1.2428	-0.2632	-0.0343	0.9453
1695	29.6	29.3	1.9492	2.7799	0.1913	4.9204	1.2477	-0.2554	-0.0488	0.9435
1696	29.2	29.1	1.9472	2.7806	0.1918	4.9195	1.2101	-0.2323	-0.0624	0.9154
1697	28.8	28.9	1.9496	2.7778	0.1917	4.9191	1.1866	-0.2173	-0.0572	0.9122
1698	29.3	28.7	1.9485	2.7786	0.1917	4.9188	1.164	-0.2128	-0.0548	0.8964
1699	29	28.6	1.9463	2.7805	0.1919	4.9187	1.1442	-0.2055	-0.0409	0.8979
1700	28.8	28.6	1.951	2.7743	0.1936	4.9189	1.1338	-0.1922	-0.0562	0.8854
1701	28.9	28.6	1.9516	2.7711	0.1962	4.9189	1.1135	-0.1822	-0.07	0.8613
1702	29.1	28.7	1.9462	2.7745	0.1972	4.9179	1.1377	-0.177	-0.0765	0.8842
1703	28.8	28.7	1.9418	2.7774	0.1983	4.9175	1.15	-0.1792	-0.0706	0.9002
1704	27.1	28.7	1.9391	2.7796	0.1994	4.9181	1.1607	-0.1802	-0.0552	0.9253
1705	26.2	28.7	1.9368	2.7785	0.2002	4.9154	1.1723	-0.1934	-0.0483	0.9306
1706	27.3	28.7	1.939	2.7765	0.1998	4.9153	1.1784	-0.2059	-0.0591	0.9135
1707	27.9	28.8	1.9365	2.7776	0.1991	4.9132	1.1858	-0.2177	-0.0735	0.8946
1708	28	28.8	1.9304	2.7821	0.1983	4.9108	1.1442	-0.1811	-0.0846	0.8785
1709	28.9	28.8	1.9251	2.7855	0.1979	4.9085	1.229	-0.2644	-0.0796	0.885
1710	30	28.8	1.9229	2.7879	0.1975	4.9084	1.2593	-0.2962	-0.082	0.8811
1711	29.7	28.7	1.9241	2.7864	0.197	4.9075	1.2686	-0.2887	-0.0727	0.9072
1712	29.7	28.7	1.9249	2.7854	0.1971	4.9073	1.2908	-0.3154	-0.0491	0.9263
1713	29.5	28.7	1.9226	2.7891	0.1976	4.9094	1.2939	-0.3244	-0.0457	0.9238
1714	29.3	28.8	1.9195	2.7912	0.1983	4.909	1.2949	-0.3388	-0.0598	0.8964
1715	29.8	28.9	1.911	2.7969	0.1987	4.9066	1.2659	-0.3114	-0.071	0.8834
1716	30	28.9	1.902	2.804	0.2006	4.9066	1.2382	-0.2939	-0.067	0.8773
1717	29.2	29	1.8989	2.8053	0.2007	4.9048	1.2046	-0.2609	-0.0622	0.8815
1718	29	29	1.9017	2.8007	0.2008	4.9033	1.1639	-0.2249	-0.059	0.88
1719	28	29	1.901	2.8007	0.2008	4.9025	1.1679	-0.2331	-0.0435	0.8913
1720	28.7	28.9	1.8962	2.8029	0.1999	4.899	1.1605	-0.2264	-0.0307	0.9034
1721	28.5	29	1.8938	2.804	0.1987	4.8966	1.1164	-0.1833	-0.0346	0.8986
1722	28.6	29	1.8889	2.8062	0.1984	4.8934	1.0767	-0.1586	-0.0248	0.8933
1723	28.2	29	1.8868	2.807	0.1978	4.8916	1.0648	-0.1274	-0.0324	0.9051
1724	28	29	1.8865	2.8069	0.1974	4.8908	1.0209	-0.0422	-0.0366	0.9421
1725	28.6	28.9	1.8854	2.807	0.1973	4.8897	0.9937	-0.0205	-0.047	0.9262
1726	29.3	28.8	1.8827	2.8092	0.1964	4.8884	0.9985	-0.0231	-0.053	0.9224
1727	28.6	28.8	1.8768	2.8136	0.196	4.8865	0.9421	0.022	-0.0529	0.9112
1728	28.3	28.8	1.8735	2.815	0.1968	4.8853	0.9368	0.0409	-0.0558	0.9219
1729	29.1	28.8	1.8732	2.814	0.1966	4.8839	0.9645	0.0142	-0.0561	0.9226
1730	30.8	28.7	1.8724	2.8155	0.1935	4.8815	0.9875	-0.0101	-0.0621	0.9153

1731	30	28.6	1.8697	2.818	0.1926	4.8803	0.9657	-0.0089	-0.0551	0.9017
1732	29.8	28.5	1.8675	2.8201	0.1931	4.8807	0.9895	-0.0502	-0.0383	0.901
1733	28.3	28.5	1.8727	2.8149	0.1932	4.8807	1.0179	-0.0674	-0.0403	0.9102
1734	28.4	28.5	1.8732	2.8138	0.194	4.881	1.059	-0.1012	-0.0471	0.9107
1735	28.9	28.5	1.873	2.8132	0.1942	4.8803	1.0391	-0.1052	-0.0447	0.8892
1736	28.2	28.4	1.8704	2.8157	0.1937	4.8798	1.0805	-0.1571	-0.0292	0.8943
1737	28.3	28.3	1.8696	2.8166	0.1926	4.8788	1.1101	-0.193	-0.0252	0.8919
1738	28	28.3	1.8704	2.8164	0.192	4.8788	1.0987	-0.1887	-0.0096	0.9004
1739	27.3	28.3	1.8737	2.812	0.1917	4.8774	1.0874	-0.169	-0.0123	0.906
1740	27.4	28.1	1.8736	2.81	0.1912	4.8747	1.0661	-0.1732	-0.025	0.8678
1741	27.1	28	1.8689	2.812	0.1911	4.872	1.2546	-0.2719	-0.0202	0.9625
1742	27.4	27.9	1.8645	2.8137	0.1919	4.8701	1.3264	-0.4438	-0.025	0.8576
1743	28.2	27.9	1.864	2.8144	0.1927	4.8711	1.2966	-0.3942	-0.0253	0.8771
1744	28.7	27.9	1.8637	2.8152	0.1934	4.8723	1.2617	-0.3661	-0.0257	0.8698
1745	26.2	27.8	1.8653	2.8147	0.1937	4.8737	1.2341	-0.3347	-0.0335	0.8658
1746	27.6	27.8	1.8646	2.8143	0.1934	4.8723	1.2357	-0.3334	-0.0313	0.8711
1747	27.8	27.7	1.8657	2.8131	0.1933	4.8721	1.2326	-0.3338	-0.0206	0.8782
1748	28.6	27.7	1.8701	2.8082	0.1935	4.8718	1.258	-0.3748	-0.0008	0.8824
1749	28.3	27.8	1.8716	2.8055	0.1943	4.8714	1.2408	-0.3742	0.0141	0.8808
1750	27.6	27.8	1.8703	2.8047	0.1955	4.8705	1.2209	-0.3584	0.0215	0.884
1751	28.5	27.8	1.8689	2.8038	0.1958	4.8686	1.3065	-0.4612	0.0389	0.8842
1752	27.9	27.9	1.8704	2.8007	0.1957	4.8668	1.3257	-0.4978	0.0655	0.8934
1753	27.7	27.9	1.8704	2.7993	0.1958	4.8655	1.2837	-0.4687	0.077	0.892
1754	28	27.9	1.8677	2.8013	0.196	4.865	1.2524	-0.4437	0.0889	0.8976
1755	26.7	28	1.8671	2.8021	0.1962	4.8654	1.2366	-0.4247	0.1007	0.9127
1756	27.8	27.9	1.8656	2.8029	0.1963	4.8648	1.2253	-0.4409	0.1101	0.8946
1757	27.7	27.9	1.8674	2.8008	0.1964	4.8646	1.2619	-0.467	0.1074	0.9023
1758	28.6	27.8	1.8641	2.803	0.1962	4.8633	1.2486	-0.4604	0.1015	0.8897
1759	28.1	27.8	1.8644	2.8032	0.1959	4.8635	1.1959	-0.4163	0.0937	0.8733
1760	27.1	27.9	1.8624	2.8039	0.1958	4.8621	1.1511	-0.3831	0.0898	0.8578
1761	29.5	27.9	1.8599	2.8048	0.1956	4.8604	1.1399	-0.3605	0.0866	0.866
1762	28.5	27.9	1.857	2.8075	0.1951	4.8596	1.1654	-0.3821	0.0821	0.8654
1763	27.8	28	1.8537	2.8096	0.1957	4.8591	1.1876	-0.3981	0.0837	0.8732
1764	27.4	28	1.8521	2.81	0.1959	4.858	1.1757	-0.3595	0.0913	0.9075
1765	26.6	28.1	1.8503	2.8118	0.1946	4.8567	1.153	-0.3392	0.0999	0.9137
1766	27.4	28.1	1.8477	2.8156	0.1927	4.8561	1.0666	-0.2761	0.1056	0.8961
1767	27.6	28.1	1.8452	2.8181	0.192	4.8553	0.9714	-0.1952	0.1302	0.9064

1768	28	28	1.8431	2.8205	0.1918	4.8554	0.9457	-0.1824	0.1326	0.896
1769	28.6	28	1.8436	2.8203	0.1916	4.8556	0.9924	-0.2399	0.1355	0.8881
1770	29.1	28.1	1.8451	2.8179	0.192	4.8549	0.996	-0.2437	0.1368	0.889
1771	28.7	28.1	1.8447	2.8183	0.1918	4.8549	0.9478	-0.2181	0.1272	0.8569
1772	28.1	28	1.842	2.8193	0.1919	4.8532	0.9294	-0.207	0.1144	0.8368
1773	28.6	27.9	1.8434	2.8154	0.1924	4.8512	0.8784	-0.1825	0.111	0.8069
1774	28.3	27.9	1.8408	2.8173	0.1934	4.8515	0.8623	-0.1738	0.1056	0.7941
1775	27.9	28	1.8392	2.8185	0.1935	4.8512	0.8706	-0.1781	0.1014	0.7939
1776	27	28	1.8419	2.8151	0.1936	4.8506	0.8666	-0.1786	0.1015	0.7895
1777	28	28	1.8431	2.8131	0.194	4.8503	0.8427	-0.1513	0.0911	0.7826
1778	28.2	28	1.8412	2.8142	0.1941	4.8495	0.7738	-0.0932	0.0866	0.7673
1779	28.6	28	1.8409	2.8126	0.1948	4.8483	0.7379	-0.0746	0.0989	0.7623
1780	28.4	27.9	1.8402	2.8111	0.1958	4.8472	0.7441	-0.0898	0.0978	0.7521
1781	27	27.8	1.8364	2.8132	0.1957	4.8453	0.7439	-0.0695	0.0546	0.729
1782	27.1	27.8	1.8348	2.8143	0.195	4.844	0.7148	-0.0345	0.0423	0.7226
1783	27	27.7	1.8309	2.8174	0.1941	4.8425	0.6932	-0.0043	0.0498	0.7387
1784	27.7	27.7	1.8301	2.8183	0.1936	4.842	0.7806	-0.0822	0.0517	0.75
1785	27.9	27.7	1.8283	2.8195	0.1937	4.8414	0.8003	-0.0993	0.0648	0.7658
1786	27.8	27.8	1.827	2.8189	0.1946	4.8406	0.81	-0.1113	0.0687	0.7674
1787	28.6	27.8	1.8272	2.8181	0.1939	4.8392	0.7813	-0.0728	0.0619	0.7704
1788	27.4	27.8	1.8275	2.8144	0.1946	4.8365	0.7815	-0.0602	0.0455	0.7668
1789	27.2	27.8	1.8269	2.815	0.1953	4.8372	0.8072	-0.0646	0.0369	0.7795
1790	27.9	27.7	1.8227	2.8196	0.1953	4.8376	0.8744	-0.1369	0.0321	0.7696
1791	28	27.7	1.8229	2.8186	0.1948	4.8363	0.8869	-0.1735	0.0243	0.7377
1792	27	27.8	1.8255	2.8141	0.1946	4.8342	0.8234	-0.1418	0.0233	0.7049
1793	27.8	27.8	1.8276	2.8119	0.1946	4.8341	0.7602	-0.1158	0.0385	0.683
1794	28.4	27.8	1.8275	2.8119	0.1946	4.834	0.7653	-0.1047	0.053	0.7136
1795	28	27.8	1.8257	2.8132	0.1945	4.8333	0.7742	-0.0934	0.0656	0.7465
1796	28.4	27.8	1.824	2.814	0.1938	4.8317	0.8168	-0.1038	0.0726	0.7855
1797	28.5	27.9	1.8238	2.8153	0.1917	4.8308	0.8197	-0.1135	0.0683	0.7745
1798	27.7	27.8	1.8245	2.816	0.1903	4.8308	0.8548	-0.138	0.0683	0.7851
1799	27.3	27.4	1.8242	2.8163	0.1898	4.8303	0.9561	-0.234	0.0735	0.7956
1800	27.3	27.3	1.8204	2.8204	0.1897	4.8305	1.005	-0.2917	0.0903	0.8037