Test Name	**AL, PF, rep 2**
Cladding	**Aluminium**
Cladding Thickness [mm]	**2**
Insulation	**Phenolic (PF) foam**
Insulation Thickness [mm]	**100**
Cavity Width [mm]	**50**
Repetition Number	**2**
Mass Flow Rate (Propane)	**0.2**
Description	This experiment is on a system consisting of an Aluminium cladding panel and a Phenolic (PF) foam insulation panel, separated with a cavity of 50 mm width. It is the second repetition of this system configuration.
Experiment Notes	The Phenolic foam insulation was seen to continue smouldering after the experiment was terminated, requiring extinguishment.
Peak HRR [kW]	**0**
Time to Peak HRR [mins]	
Residual HRR [kW]	**2.46**
Total HR [MJ]	**0**
Peak dQ/dt [kW/s]	**0**
Time to Peak dQ/dt [s]	

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	0.136	0.136	3.1942	2.3121	-0.0007	5.5056	0.0815	0.5021	0.0113	0.5949
1	0.0382	0.0887	3.1945	2.31	-0.0008	5.5037	0.0521	0.4981	0.0102	0.5605
2	0.0921	0.267	3.194	2.3078	-0.0008	5.5009	0.0426	0.4853	0.0122	0.5401
3	0.413	0.402	3.1939	2.3058	-0.001	5.4987	0.0491	0.4738	0.014	0.5369
4	0.655	0.58	3.1944	2.3036	-0.001	5.4969	0.065	0.455	0.017	0.537
5	0.718	0.997	3.1948	2.302	-0.001	5.4958	0.0823	0.4375	0.0193	0.539
6	0.764	1.59	3.195	2.3006	-0.0011	5.4945	0.1107	0.4272	0.0195	0.5574
7	0.796	2.26	3.1951	2.2992	-0.0012	5.4931	0.1575	0.4178	0.0175	0.5929
8	1.6	2.9	3.1952	2.2982	-0.0013	5.4921	0.1953	0.4036	0.0171	0.616
9	2.48	3.5	3.1947	2.297	-0.0014	5.4903	0.2288	0.4004	0.0169	0.6461
10	3.27	3.98	3.1937	2.296	-0.0014	5.4882	0.235	0.3968	0.0182	0.65
11	4.24	4.46	3.1925	2.2953	-0.0014	5.4864	0.2361	0.3912	0.0179	0.6452
12	5.52	4.95	3.1924	2.2945	-0.0015	5.4855	0.2378	0.3891	0.0169	0.6439
13	6.21	5.42	3.1932	2.2936	-0.0014	5.4854	0.2286	0.3866	0.0165	0.6317
14	7	5.85	3.1933	2.2932	-0.0016	5.485	0.2037	0.3822	0.018	0.6039
15	7.42	6.3	3.1932	2.2928	-0.0015	5.4845	0.1941	0.3728	0.0194	0.5862
16	7.9	6.75	3.1933	2.2923	-0.0016	5.484	0.2033	0.3652	0.0195	0.5881
17	8.7	7.2	3.194	2.2922	-0.0017	5.4845	0.2075	0.3598	0.0193	0.5866
18	8.62	7.61	3.1978	2.2918	-0.0018	5.4878	0.2151	0.3531	0.019	0.5871
19	9.21	7.97	3.1989	2.2917	-0.002	5.4886	0.2188	0.3468	0.0171	0.5827
20	9.2	8.31	3.1983	2.2908	-0.0022	5.4868	0.2238	0.345	0.0156	0.5844
21	9.27	8.59	3.1973	2.29	-0.0023	5.4849	0.2245	0.3355	0.0146	0.5746
22	9.37	8.83	3.1968	2.2894	-0.0022	5.484	0.2321	0.3257	0.0124	0.5702
23	8.77	9.02	3.1969	2.289	-0.0021	5.4838	0.2388	0.314	0.0128	0.5656
24	9.41	9.14	3.1967	2.2891	-0.0019	5.4838	0.2459	0.3017	0.0126	0.5602
25	9.34	9.26	3.1971	2.2893	-0.0018	5.4846	0.2394	0.2956	0.0119	0.5469
26	9.24	9.34	3.1973	2.2893	-0.0015	5.4851	0.2312	0.2902	0.0107	0.5321
27	9.35	9.38	3.1966	2.2893	-0.0016	5.4843	0.2597	0.2814	0.0103	0.5514
28	9.42	9.44	3.1962	2.289	-0.0016	5.4836	0.2645	0.2782	0.0101	0.5528

29	9.72	9.45	3.1959	2.2887	-0.0015	5.4831	0.3163	0.2759	0.0101	0.6023
30	9.6	9.43	3.1955	2.2892	-0.0016	5.4832	0.3565	0.2693	0.0127	0.6385
31	9.98	9.42	3.1951	2.2894	-0.0018	5.4828	0.4018	0.2615	0.0147	0.678
32	9.79	9.41	3.1955	2.2896	-0.0018	5.4833	0.429	0.2586	0.0145	0.7022
33	9.37	9.42	3.1966	2.2898	-0.0017	5.4847	0.4487	0.2573	0.0138	0.7198
34	9.73	9.42	3.1971	2.2896	-0.0014	5.4853	0.4596	0.2549	0.013	0.7275
35	9.25	9.43	3.1955	2.2897	-0.001	5.4841	0.4781	0.253	0.0121	0.7431
36	9.58	9.43	3.194	2.2898	-0.0014	5.4825	0.4955	0.2501	0.0115	0.757
37	9.76	9.44	3.1945	2.2898	-0.0015	5.4828	0.5052	0.2491	0.0104	0.7647
38	9.35	9.45	3.1941	2.29	-0.0016	5.4825	0.5143	0.2509	0.0101	0.7753
39	8.86	9.44	3.1929	2.29	-0.0017	5.4812	0.5276	0.2476	0.01	0.7851
40	9.09	9.46	3.1918	2.2893	-0.0017	5.4794	0.5233	0.2544	0.0089	0.7865
41	9.1	9.43	3.191	2.289	-0.0014	5.4786	0.5071	0.2515	0.0098	0.7684
42	9.1	9.42	3.1913	2.2892	-0.0012	5.4793	0.4696	0.2528	0.01	0.7324
43	9.36	9.39	3.1919	2.2895	-0.0011	5.4802	0.4245	0.2533	0.0106	0.6884
44	9.5	9.36	3.1913	2.2895	-0.001	5.4798	0.387	0.2568	0.0105	0.6544
45	9.28	9.35	3.1908	2.2896	-0.0011	5.4792	0.3626	0.2585	0.0104	0.6315
46	9.5	9.33	3.1907	2.2896	-0.0011	5.4792	0.35	0.2601	0.0109	0.6211
47	9.72	9.3	3.1894	2.2894	-0.0012	5.4776	0.3384	0.2627	0.0112	0.6123
48	9.53	9.29	3.1897	2.289	-0.0011	5.4776	0.3216	0.2613	0.0111	0.594
49	9.81	9.35	3.1912	2.2888	-0.0009	5.4791	0.3156	0.2631	0.011	0.5897
50	9.41	9.39	3.1926	2.2885	-0.0008	5.4803	0.3261	0.262	0.0109	0.599
51	9.7	9.41	3.193	2.2887	-0.0009	5.4808	0.3292	0.2429	0.0061	0.5783
52	8.84	9.42	3.1926	2.2888	-0.0011	5.4804	0.3549	0.2204	0.007	0.5823
53	9.05	9.47	3.1917	2.2893	-0.0012	5.4798	0.3872	0.1956	0.0069	0.5898
54	9.13	9.51	3.1907	2.2898	-0.0014	5.4792	0.4209	0.1767	0.006	0.6036
55	9.27	9.56	3.189	2.29	-0.0014	5.4776	0.4362	0.1521	0.006	0.5943
56	9.15	9.57	3.1863	2.2901	-0.0013	5.475	0.4507	0.138	0.0055	0.5943
57	9.18	9.6	3.1839	2.2905	-0.0013	5.4731	0.4554	0.1247	0.0046	0.5847
58	9.91	9.65	3.1817	2.2903	-0.0013	5.4707	0.4526	0.1116	0.0039	0.5681
59	9.77	9.64	3.1811	2.2901	-0.0014	5.4698	0.4449	0.102	0.002	0.5489
60	9.55	9.68	3.1808	2.29	-0.0014	5.4695	0.4407	0.0935	0.001	0.5352
61	9.35	9.68	3.1805	2.2898	-0.0014	5.4689	0.4395	0.0817	0.001	0.5222
62	10.2	9.74	3.1808	2.2896	-0.0013	5.469	0.4252	0.0741	0.002	0.5014
63	10.4	9.76	3.1822	2.2894	-0.0015	5.4702	0.4144	0.0626	0.0014	0.4785
64	10.2	9.74	3.1826	2.2897	-0.0016	5.4707	0.4136	0.0583	0.002	0.4738
65	9.76	9.74	3.1818	2.2898	-0.0016	5.47	0.4182	0.0572	0.0018	0.4772

66	10.1	9.78	3.1813	2.2898	-0.0016	5.4695	0.426	0.0554	0.0029	0.4842
67	10.6	9.76	3.1806	2.2899	-0.0016	5.4689	0.4339	0.0516	0.0026	0.4881
68	9.65	9.73	3.1802	2.29	-0.0015	5.4686	0.4487	0.054	0.0019	0.5046
69	10.1	9.7	3.1796	2.2898	-0.0014	5.4679	0.4913	0.0545	0.0008	0.5466
70	9.66	9.67	3.1793	2.2901	-0.0013	5.468	0.5057	0.0554	0	0.5611
71	10.1	9.68	3.1785	2.2905	-0.0012	5.4678	0.5086	0.048	-0.0033	0.5532
72	9.39	9.6	3.1778	2.291	-0.0012	5.4676	0.5015	0.0405	-0.0034	0.5386
73	8.81	9.55	3.177	2.2916	-0.0012	5.4674	0.493	0.0382	-0.0015	0.5298
74	9.23	9.53	3.1773	2.2917	-0.0012	5.4678	0.4834	0.0387	-0.0007	0.5214
75	10	9.53	3.1777	2.2919	-0.0011	5.4684	0.4664	0.0396	0.0015	0.5076
76	8.75	9.54	3.1752	2.2922	-0.0011	5.4664	0.4559	0.047	0.0033	0.5063
77	9.22	9.5	3.1746	2.2922	-0.0011	5.4657	0.4468	0.0544	0.0063	0.5075
78	9.19	9.5	3.1703	2.2921	-0.0011	5.4613	0.4288	0.0562	0.0057	0.4907
79	9.04	9.48	3.1667	2.2924	-0.0013	5.4578	0.4223	0.0555	0.0077	0.4855
80	9.51	9.52	3.1627	2.2927	-0.0015	5.4539	0.418	0.0567	0.0099	0.4846
81	8.78	9.53	3.1601	2.2927	-0.0015	5.4513	0.4193	0.0669	0.0083	0.4946
82	9.42	9.57	3.158	2.2925	-0.0015	5.4491	0.4275	0.0718	0.004	0.5034
83	9.85	9.67	3.1566	2.2925	-0.0014	5.4477	0.4319	0.0801	0.0024	0.5144
84	9.68	9.72	3.1546	2.2924	-0.0013	5.4457	0.4429	0.0888	0.0033	0.535
85	10.3	9.74	3.1526	2.2924	-0.0013	5.4437	0.4475	0.0893	0.006	0.5428
86	9.89	9.83	3.1513	2.2922	-0.0012	5.4423	0.4245	0.0904	0.0086	0.5235
87	9.6	9.88	3.15	2.2918	-0.0012	5.4406	0.401	0.097	0.0052	0.5031
88	9.64	9.89	3.1483	2.2919	-0.0012	5.439	0.4001	0.0965	0.0039	0.5006
89	10.6	9.94	3.1482	2.291	-0.0011	5.4381	0.3904	0.0995	0.0035	0.4935
90	10.3	9.97	3.1491	2.291	-0.0012	5.4389	0.3756	0.0997	0.0038	0.479
91	10.1	10	3.152	2.2906	-0.0012	5.4415	0.3619	0.0961	0.0044	0.4623
92	10.7	10	3.1558	2.2903	-0.0013	5.4448	0.3395	0.0958	0.0058	0.4412
93	10.3	9.99	3.1589	2.2898	-0.0013	5.4473	0.3359	0.0975	0.0069	0.4403
94	10.4	9.99	3.1608	2.2894	-0.0013	5.4488	0.3341	0.0995	0.0064	0.4401
95	10.5	9.96	3.1616	2.2889	-0.0014	5.4492	0.3273	0.0928	0.0082	0.4284
96	10.1	9.94	3.1624	2.2884	-0.0014	5.4494	0.326	0.0927	0.0085	0.4273
97	9.4	9.94	3.1637	2.2883	-0.0014	5.4506	0.3307	0.095	0.0094	0.4351
98	9.89	9.94	3.164	2.2879	-0.0014	5.4505	0.3254	0.0923	0.0085	0.4262
99	10	9.92	3.1626	2.2877	-0.0014	5.4489	0.3386	0.0845	0.01	0.433
100	9.49	9.89	3.1613	2.2878	-0.0013	5.4478	0.3706	0.0818	0.0122	0.4647
101	9.55	9.89	3.1591	2.288	-0.0015	5.4455	0.4003	0.0737	0.0136	0.4876
102	9.57	9.87	3.1552	2.2882	-0.0015	5.4419	0.4151	0.0776	0.0136	0.5062

103	9.61	9.89	3.1518	2.2881	-0.0016	5.4383	0.4147	0.0802	0.0145	0.5094
104	9.61	9.87	3.1508	2.2883	-0.0016	5.4375	0.3935	0.0891	0.0137	0.4963
105	9.63	9.87	3.1498	2.2882	-0.0016	5.4364	0.3727	0.0984	0.0125	0.4837
106	9.55	9.86	3.1495	2.2882	-0.0016	5.4361	0.3541	0.1026	0.0137	0.4704
107	9.73	9.88	3.1499	2.2881	-0.0016	5.4363	0.3225	0.1085	0.0164	0.4473
108	10.1	9.87	3.1507	2.288	-0.0015	5.4372	0.2881	0.1136	0.0181	0.4198
109	9.7	9.86	3.1506	2.2876	-0.0015	5.4368	0.2549	0.1141	0.0201	0.3891
110	10.1	9.92	3.1497	2.2878	-0.0015	5.436	0.2412	0.1165	0.0207	0.3784
111	10.3	9.96	3.15	2.2878	-0.0016	5.4362	0.2291	0.1247	0.0226	0.3765
112	10.5	10	3.151	2.2882	-0.0016	5.4376	0.2168	0.1265	0.0252	0.3685
113	9.99	10	3.1518	2.2878	-0.0016	5.438	0.2133	0.1297	0.0254	0.3684
114	10.5	10	3.1515	2.2875	-0.0017	5.4373	0.2229	0.1375	0.0203	0.3807
115	10.1	10	3.1506	2.2873	-0.0018	5.4361	0.2249	0.1412	0.0181	0.3842
116	9.73	10	3.1499	2.2871	-0.0019	5.4352	0.2159	0.1443	0.017	0.3772
117	9.63	10.1	3.1492	2.2868	-0.0019	5.434	0.2128	0.1465	0.0166	0.3759
118	9.87	10	3.1487	2.2864	-0.0019	5.4331	0.2038	0.1524	0.016	0.3722
119	10.6	10	3.1483	2.2861	-0.002	5.4325	0.1936	0.1563	0.0177	0.3676
120	10.4	10	3.1474	2.286	-0.0019	5.4315	0.1825	0.1605	0.0203	0.3634
121	10.2	10	3.1471	2.286	-0.002	5.4311	0.175	0.1706	0.0238	0.3695
122	9.75	10	3.1475	2.2856	-0.0021	5.4311	0.1655	0.1747	0.026	0.3662
123	10.1	10	3.1485	2.2851	-0.002	5.4316	0.1553	0.1817	0.0246	0.3617
124	9.68	10	3.15	2.2851	-0.0021	5.433	0.1434	0.1938	0.0225	0.3597
125	9.72	10	3.1515	2.2846	-0.0021	5.4339	0.145	0.1936	0.022	0.3606
126	9.91	10	3.1526	2.2839	-0.0021	5.4343	0.1504	0.1967	0.0223	0.3695
127	9.54	10	3.1537	2.2837	-0.0022	5.4352	0.1294	0.202	0.0207	0.3521
128	10	10	3.1539	2.2835	-0.0024	5.435	0.1251	0.2039	0.0192	0.3482
129	9.77	9.95	3.1541	2.2831	-0.0025	5.4346	0.0826	0.2041	0.0174	0.3041
130	10.4	9.94	3.1536	2.2825	-0.0024	5.4337	0.0483	0.2066	0.0153	0.2702
131	10.1	9.91	3.1524	2.2823	-0.0022	5.4325	0.01	0.2062	0.0133	0.2295
132	10	9.92	3.1523	2.2816	-0.0021	5.4318	-0.0176	0.2032	0.0122	0.1978
133	10.6	9.87	3.1523	2.281	-0.002	5.4312	-0.0433	0.1997	0.0116	0.1681
134	10.1	9.85	3.1523	2.2807	-0.002	5.431	-0.0623	0.1913	0.0129	0.1419
135	9.48	9.83	3.153	2.2806	-0.0019	5.4317	-0.087	0.1921	0.0146	0.1197
136	9.58	9.8	3.1539	2.2801	-0.0019	5.4321	-0.1086	0.1941	0.0137	0.0992
137	9.97	9.8	3.1545	2.2802	-0.0019	5.4327	-0.1227	0.1927	0.0128	0.0828
138	9.65	9.78	3.1551	2.2801	-0.002	5.4332	-0.1394	0.1863	0.013	0.0598
139	10.1	9.77	3.1554	2.28	-0.0021	5.4333	-0.1603	0.1875	0.0139	0.0411

140	9.72	9.74	3.1556	2.2797	-0.0021	5.4332	-0.1635	0.1796	0.0159	0.032
141	9.91	9.71	3.157	2.2794	-0.002	5.4345	-0.1558	0.1786	0.0156	0.0384
142	9.25	9.69	3.1577	2.2794	-0.0019	5.4353	-0.1297	0.1731	0.0164	0.0598
143	9.18	9.63	3.1584	2.2795	-0.0017	5.4362	-0.098	0.1703	0.0168	0.089
144	9.51	9.63	3.1586	2.2802	-0.0018	5.437	-0.0726	0.1612	0.017	0.1055
145	9.32	9.66	3.1582	2.2803	-0.0019	5.4365	-0.0606	0.1565	0.0189	0.1148
146	9.51	9.68	3.1576	2.2801	-0.002	5.4357	-0.0587	0.1513	0.0183	0.1109
147	9.69	9.66	3.1569	2.2802	-0.002	5.435	-0.0549	0.1448	0.0171	0.107
148	9.46	9.66	3.1558	2.2805	-0.0021	5.4343	-0.0436	0.1468	0.0184	0.1216
149	9.8	9.66	3.1541	2.2806	-0.0021	5.4326	-0.0452	0.1431	0.0197	0.1176
150	9.75	9.7	3.1526	2.2811	-0.0022	5.4315	-0.0641	0.145	0.019	0.0999
151	9.48	9.7	3.1515	2.2809	-0.0023	5.4301	-0.0843	0.1501	0.0199	0.0857
152	9.62	9.72	3.1512	2.2808	-0.0025	5.4294	-0.113	0.1557	0.0186	0.0612
153	9.99	9.75	3.1524	2.2804	-0.0026	5.4302	-0.1543	0.1576	0.0194	0.0227
154	10.1	9.74	3.1535	2.28	-0.0026	5.4308	-0.1864	0.1592	0.0206	-0.0067
155	9.93	9.74	3.1536	2.2797	-0.0028	5.4306	-0.1973	0.1624	0.0228	-0.0121
156	9.67	9.75	3.154	2.2792	-0.0029	5.4303	-0.2092	0.1623	0.0259	-0.021
157	9.67	9.74	3.1551	2.2791	-0.0031	5.4311	-0.2029	0.1691	0.028	-0.0058
158	10.1	9.73	3.1563	2.2789	-0.0033	5.4318	-0.1992	0.1742	0.028	0.003
159	10.4	9.7	3.157	2.2784	-0.0035	5.432	-0.1954	0.1788	0.0288	0.0122
160	9.9	9.68	3.1579	2.2776	-0.0037	5.4318	-0.1994	0.1825	0.0286	0.0117
161	9.77	9.69	3.1588	2.2771	-0.0039	5.4321	-0.2126	0.1902	0.0271	0.0047
162	9.7	9.67	3.1595	2.2766	-0.0039	5.4322	-0.2142	0.1924	0.0245	0.0027
163	9.33	9.59	3.1599	2.2757	-0.0035	5.4321	-0.2057	0.1982	0.0222	0.0147
164	9.29	9.53	3.1601	2.2756	-0.0034	5.4323	-0.198	0.1982	0.02	0.0202
165	9.69	9.47	3.1602	2.2754	-0.0033	5.4323	-0.1995	0.1947	0.0186	0.0139
166	9.45	9.41	3.1601	2.2751	-0.0033	5.4319	-0.2053	0.192	0.0171	0.0039
167	9.31	9.35	3.1602	2.2747	-0.0032	5.4317	-0.2091	0.1875	0.0164	-0.0051
168	9.18	9.25	3.1608	2.2743	-0.0033	5.4319	-0.2177	0.1849	0.0161	-0.0168
169	9.49	9.15	3.1613	2.2737	-0.0034	5.4316	-0.2281	0.1858	0.017	-0.0253
170	9.61	9.08	3.1618	2.273	-0.0037	5.4311	-0.2368	0.1838	0.0159	-0.0371
171	9.16	9.01	3.162	2.273	-0.0038	5.4312	-0.2464	0.1829	0.0166	-0.0469
172	8.59	8.94	3.1623	2.2728	-0.0037	5.4314	-0.2487	0.1847	0.0169	-0.0471
173	8.86	8.89	3.1627	2.2722	-0.0035	5.4314	-0.2461	0.1779	0.0167	-0.0515
174	8.72	8.86	3.1628	2.2724	-0.0034	5.4318	-0.2421	0.1758	0.0183	-0.048
175	8.58	8.83	3.1626	2.2722	-0.0034	5.4315	-0.2311	0.1769	0.018	-0.0362
176	8.48	8.79	3.1623	2.272	-0.0032	5.4312	-0.2216	0.1733	0.0167	-0.0315

177	8.34	8.75	3.1621	2.2718	-0.003	5.4309	-0.2145	0.1639	0.0139	-0.0367
178	8.35	8.73	3.162	2.2717	-0.0028	5.4308	-0.208	0.1636	0.0133	-0.031
179	8.61	8.68	3.1619	2.2717	-0.0029	5.4307	-0.2091	0.1564	0.0115	-0.0412
180	8.35	8.62	3.1617	2.2721	-0.0028	5.431	-0.2145	0.1473	0.01	-0.0573
181	8.49	8.57	3.1618	2.2724	-0.0027	5.4315	-0.2273	0.1404	0.0102	-0.0767
182	8.27	8.59	3.1623	2.2726	-0.0026	5.4323	-0.2454	0.1386	0.0131	-0.0937
183	8.83	8.59	3.1629	2.2734	-0.0027	5.4335	-0.2503	0.132	0.015	-0.1032
184	9.02	8.6	3.1633	2.2732	-0.0028	5.4337	-0.2522	0.1255	0.0175	-0.1092
185	8.73	8.61	3.1635	2.273	-0.0027	5.4338	-0.2517	0.1178	0.0177	-0.1162
186	8.59	8.62	3.1636	2.273	-0.0025	5.434	-0.2463	0.1143	0.0173	-0.1147
187	8.79	8.69	3.1639	2.2732	-0.0025	5.4346	-0.2391	0.1106	0.017	-0.1115
188	8.61	8.73	3.1643	2.2731	-0.0026	5.4349	-0.2351	0.1107	0.0188	-0.1057
189	8.42	8.76	3.1645	2.2731	-0.0027	5.4349	-0.2292	0.1057	0.0163	-0.1073
190	8.25	8.81	3.1647	2.2732	-0.0028	5.4351	-0.2269	0.108	0.0152	-0.1037
191	8.85	8.86	3.165	2.2733	-0.0029	5.4355	-0.2319	0.1067	0.0152	-0.11
192	8.95	8.95	3.1656	2.2733	-0.003	5.4359	-0.2204	0.1081	0.0172	-0.095
193	8.95	9.03	3.1661	2.2736	-0.003	5.4368	-0.2167	0.1073	0.0191	-0.0903
194	8.67	9.1	3.1669	2.2737	-0.0032	5.4374	-0.2111	0.1075	0.0213	-0.0823
195	8.77	9.17	3.1675	2.2738	-0.0032	5.4381	-0.2101	0.1175	0.0208	-0.0719
196	9.66	9.28	3.1679	2.2739	-0.0031	5.4387	-0.2167	0.1222	0.0196	-0.0748
197	9.12	9.34	3.1681	2.2736	-0.0032	5.4385	-0.2227	0.1217	0.0178	-0.0831
198	9.07	9.42	3.1685	2.2735	-0.0034	5.4387	-0.2321	0.1209	0.0167	-0.0945
199	9.4	9.47	3.169	2.2732	-0.0033	5.4389	-0.2436	0.1262	0.0173	-0.1002
200	9.46	9.53	3.1697	2.2728	-0.0033	5.4392	-0.263	0.1284	0.018	-0.1166
201	9.98	9.6	3.1704	2.2724	-0.0034	5.4394	-0.2845	0.1387	0.0194	-0.1265
202	10.2	9.64	3.1707	2.2725	-0.0035	5.4397	-0.2962	0.1329	0.0202	-0.143
203	10.5	9.65	3.1705	2.2722	-0.0037	5.439	-0.3024	0.1339	0.0184	-0.1501
204	10.1	9.67	3.1705	2.2721	-0.0039	5.4387	-0.2942	0.1278	0.0164	-0.15
205	10.6	9.69	3.1707	2.272	-0.0042	5.4385	-0.286	0.1244	0.0167	-0.1448
206	9.86	9.66	3.1698	2.2713	-0.0044	5.4366	-0.2847	0.1266	0.0147	-0.1433
207	10.2	9.67	3.1698	2.2706	-0.0044	5.436	-0.2809	0.1244	0.0126	-0.1439
208	9.29	9.68	3.1703	2.2701	-0.0044	5.436	-0.2714	0.1264	0.0117	-0.1334
209	9.45	9.67	3.1706	2.2694	-0.0044	5.4356	-0.2604	0.1273	0.0106	-0.1225
210	10.1	9.64	3.171	2.2688	-0.0042	5.4355	-0.2518	0.1272	0.0102	-0.1144
211	9.66	9.6	3.1714	2.2686	-0.004	5.436	-0.2438	0.1199	0.0103	-0.1135
212	9.22	9.53	3.1716	2.2684	-0.0038	5.4361	-0.2384	0.1229	0.0073	-0.1082
213	8.95	9.42	3.1716	2.268	-0.0036	5.436	-0.2379	0.1232	0.0079	-0.1068

214	9.18	9.31	3.1714	2.2681	-0.0036	5.4359	-0.2384	0.1165	0.0111	-0.1108
215	9.13	9.18	3.1711	2.2681	-0.0035	5.4357	-0.2357	0.1177	0.0126	-0.1054
216	9.25	9.11	3.1708	2.2684	-0.0035	5.4357	-0.2306	0.1172	0.0145	-0.0989
217	9.32	9.01	3.1709	2.2683	-0.0035	5.4357	-0.2308	0.1179	0.0165	-0.0964
218	9.27	8.99	3.1715	2.2678	-0.0036	5.4357	-0.2273	0.1176	0.018	-0.0917
219	8.9	8.95	3.172	2.2677	-0.0036	5.4362	-0.2204	0.1184	0.0167	-0.0853
220	9.1	8.89	3.1721	2.2677	-0.0036	5.4362	-0.2147	0.1215	0.0138	-0.0793
221	8.89	8.83	3.172	2.2675	-0.0037	5.4358	-0.209	0.1238	0.0098	-0.0755
222	8.31	8.79	3.1722	2.2678	-0.0038	5.4362	-0.2081	0.1228	0.0089	-0.0764
223	8.11	8.79	3.1727	2.2676	-0.0039	5.4364	-0.2056	0.1196	0.0078	-0.0781
224	8.17	8.78	3.1731	2.2674	-0.0039	5.4366	-0.2044	0.1182	0.0088	-0.0774
225	8.46	8.8	3.1737	2.2672	-0.0038	5.4371	-0.2057	0.1237	0.009	-0.073
226	8.42	8.82	3.1741	2.2675	-0.0035	5.438	-0.2083	0.1214	0.009	-0.0779
227	8.95	8.83	3.1745	2.2673	-0.0035	5.4383	-0.2109	0.1199	0.0113	-0.0798
228	8.67	8.84	3.1748	2.2678	-0.0035	5.4392	-0.2136	0.1176	0.0132	-0.0828
229	8.86	8.89	3.1755	2.2683	-0.0035	5.4404	-0.2178	0.116	0.0152	-0.0866
230	8.6	8.93	3.1763	2.2685	-0.0034	5.4414	-0.22	0.116	0.0146	-0.0894
231	8.5	8.98	3.1769	2.2684	-0.0035	5.4418	-0.222	0.12	0.0129	-0.0891
232	8.87	9.03	3.1773	2.2684	-0.0036	5.4421	-0.2246	0.1218	0.0128	-0.09
233	8.95	9.09	3.1775	2.2684	-0.0038	5.4421	-0.2217	0.1228	0.0129	-0.086
234	9.58	9.15	3.1775	2.2689	-0.0037	5.4426	-0.2164	0.1322	0.0132	-0.071
235	9.58	9.23	3.1776	2.2692	-0.0036	5.4432	-0.2132	0.1347	0.0128	-0.0657
236	9.51	9.28	3.1779	2.269	-0.0036	5.4433	-0.2117	0.1345	0.0136	-0.0635
237	9.6	9.28	3.178	2.2691	-0.0038	5.4433	-0.2103	0.1328	0.0156	-0.0619
238	9.8	9.31	3.178	2.2695	-0.0036	5.4439	-0.2032	0.133	0.0145	-0.0557
239	9.89	9.32	3.1781	2.2692	-0.0036	5.4437	-0.1958	0.1306	0.012	-0.0532
240	9.71	9.32	3.1788	2.2691	-0.0036	5.4442	-0.1919	0.1274	0.0093	-0.0552
241	9.34	9.34	3.1791	2.2686	-0.0037	5.444	-0.1805	0.1268	0.01	-0.0437
242	9.33	9.33	3.1794	2.2687	-0.0038	5.4443	-0.1731	0.1257	0.0102	-0.0372
243	9.29	9.32	3.1796	2.2688	-0.0038	5.4445	-0.1623	0.1252	0.0102	-0.0269
244	9.85	9.31	3.1796	2.2684	-0.0039	5.4441	-0.1526	0.1256	0.009	-0.018
245	9.38	9.28	3.1798	2.2681	-0.0039	5.444	-0.1437	0.128	0.0071	-0.0086
246	9.02	9.24	3.1799	2.2679	-0.0038	5.444	-0.1327	0.1288	0.007	0.0031
247	9.22	9.2	3.1801	2.2681	-0.0037	5.4444	-0.1255	0.1298	0.0082	0.0126
248	9.15	9.16	3.1802	2.2679	-0.0038	5.4443	-0.1213	0.1272	0.008	0.0139
249	8.45	9.11	3.1804	2.2678	-0.0039	5.4443	-0.1148	0.1286	0.0073	0.0211
250	8.88	9.06	3.181	2.2673	-0.0041	5.4441	-0.1083	0.1264	0.0093	0.0274

251	8.68	9.03	3.1811	2.2676	-0.0043	5.4444	-0.101	0.1277	0.01	0.0367
252	8.92	9.03	3.1814	2.2674	-0.0043	5.4445	-0.0952	0.1293	0.011	0.0451
253	9.25	9	3.1818	2.2676	-0.0042	5.4452	-0.095	0.1307	0.0112	0.0469
254	9.09	8.93	3.182	2.2676	-0.0043	5.4453	-0.1003	0.1308	0.0094	0.0399
255	8.72	8.9	3.1821	2.2671	-0.0042	5.4449	-0.1051	0.1342	0.0071	0.0362
256	8.74	8.88	3.1821	2.2668	-0.0042	5.4447	-0.1038	0.1359	0.0021	0.0342
257	9.11	8.85	3.1822	2.2665	-0.0043	5.4445	-0.1161	0.1289	-0.0003	0.0126
258	8.9	8.87	3.1823	2.2661	-0.0044	5.4441	-0.117	0.1275	-0.001	0.0095
259	8.85	8.9	3.1822	2.2657	-0.0045	5.4434	-0.1141	0.1238	-0.001	0.0086
260	8.66	8.92	3.1823	2.2656	-0.0047	5.4432	-0.1128	0.1164	-0.0017	0.0019
261	9.34	8.93	3.1827	2.2648	-0.0046	5.4429	-0.1094	0.1096	-0.0005	-0.0003
262	8.78	8.96	3.1833	2.2643	-0.0047	5.4429	-0.1064	0.1056	0.003	0.0021
263	8.61	8.98	3.1838	2.264	-0.0046	5.4432	-0.107	0.1039	0.0066	0.0034
264	8.76	8.98	3.1837	2.2638	-0.0046	5.4429	-0.1079	0.0982	0.0096	-0.0002
265	8.67	8.98	3.1833	2.2636	-0.0047	5.4422	-0.1095	0.0996	0.012	0.002
266	8.62	9	3.1831	2.2634	-0.0049	5.4416	-0.1131	0.1034	0.013	0.0033
267	9.38	8.99	3.183	2.2629	-0.005	5.4409	-0.1211	0.1112	0.0134	0.0036
268	9.16	9	3.1828	2.2625	-0.0049	5.4404	-0.1225	0.1166	0.0107	0.0048
269	9.24	8.99	3.1828	2.2615	-0.0048	5.4395	-0.1204	0.1146	0.0075	0.0017
270	8.84	8.99	3.1827	2.2606	-0.0047	5.4386	-0.1138	0.114	0.0048	0.005
271	9.55	8.95	3.1828	2.2607	-0.0047	5.4388	-0.1116	0.1121	0.0038	0.0043
272	9.54	8.96	3.1828	2.2608	-0.0045	5.4392	-0.109	0.1087	0.0027	0.0024
273	9.1	8.98	3.1831	2.2604	-0.0044	5.4392	-0.1027	0.1064	0.004	0.0078
274	8.83	9.01	3.1834	2.26	-0.0043	5.4391	-0.089	0.1	0.005	0.0161
275	8.99	9.03	3.1835	2.26	-0.0043	5.4392	-0.079	0.1008	0.0078	0.0296
276	8.93	9.05	3.1834	2.26	-0.0043	5.4391	-0.0722	0.1024	0.0098	0.04
277	9.12	9.02	3.1835	2.2601	-0.0043	5.4392	-0.0634	0.107	0.0127	0.0563
278	8.67	9	3.1838	2.2601	-0.0044	5.4395	-0.0603	0.1094	0.0127	0.0618
279	8.67	8.99	3.1839	2.2601	-0.0043	5.4397	-0.0569	0.1176	0.0094	0.0702
280	8.55	9	3.1839	2.2601	-0.0041	5.4399	-0.0467	0.1277	0.0048	0.0858
281	9.05	8.99	3.1843	2.2602	-0.004	5.4405	-0.0379	0.1322	0.0043	0.0987
282	9.03	8.94	3.1845	2.2603	-0.0039	5.4409	-0.0326	0.1298	0.003	0.1003
283	9.29	8.93	3.1845	2.2601	-0.004	5.4406	-0.0284	0.1229	0.0034	0.098
284	8.99	8.95	3.1846	2.2597	-0.0041	5.4403	-0.027	0.1164	0.0039	0.0933
285	8.96	8.95	3.1847	2.2595	-0.004	5.4402	-0.027	0.1199	0.0054	0.0983
286	8.88	8.98	3.1846	2.2597	-0.0041	5.4402	-0.0238	0.1203	0.0067	0.1032
287	8.77	8.99	3.1842	2.2599	-0.0039	5.4402	-0.0204	0.1194	0.008	0.107

288	9.11	9	3.1839	2.2601	-0.0038	5.4402	-0.0158	0.1196	0.0074	0.1112
289	9.03	9.02	3.1837	2.2603	-0.0036	5.4404	-0.0119	0.1206	0.0112	0.1199
290	9.22	9.04	3.1827	2.2605	-0.0038	5.4395	-0.0063	0.1166	0.0123	0.1226
291	8.64	9.01	3.1823	2.2608	-0.0039	5.4392	0.0002	0.1183	0.0128	0.1313
292	8.97	9	3.1818	2.2608	-0.004	5.4386	0.0009	0.1189	0.0117	0.1315
293	9.16	8.97	3.1814	2.2611	-0.0039	5.4386	-0.0014	0.1245	0.011	0.1341
294	9.06	8.96	3.1812	2.2609	-0.0039	5.4382	-0.0058	0.1279	0.0092	0.1313
295	9.37	8.98	3.1808	2.2609	-0.0039	5.4378	-0.0099	0.126	0.0073	0.1234
296	9.36	9.02	3.1805	2.261	-0.0039	5.4375	-0.0112	0.1227	0.007	0.1185
297	8.95	9.05	3.1802	2.2609	-0.004	5.4371	-0.0147	0.1203	0.0087	0.1143
298	8.92	9.06	3.18	2.2607	-0.0041	5.4366	-0.0103	0.1187	0.0098	0.1182
299	8.93	9.07	3.1799	2.2606	-0.0042	5.4362	-0.0089	0.122	0.0113	0.1243
300	8.51	9.05	3.1798	2.26	-0.0043	5.4355	-0.0066	0.12	0.0123	0.1258
301	8.83	9.05	3.1799	2.2595	-0.0045	5.4349	-0.0099	0.1218	0.0121	0.124
302	8.8	9.07	3.1802	2.2594	-0.0046	5.435	-0.0143	0.1323	0.0104	0.1284
303	8.76	9.09	3.1805	2.2591	-0.0046	5.435	-0.0143	0.1342	0.0096	0.1295
304	9.39	9.09	3.181	2.2587	-0.0046	5.4351	-0.0107	0.1411	0.0106	0.141
305	9.51	9.13	3.1811	2.2584	-0.0044	5.4351	-0.0069	0.1436	0.0093	0.1461
306	9.45	9.14	3.1814	2.2584	-0.0044	5.4354	-0.0045	0.1442	0.0096	0.1493
307	9.22	9.17	3.1815	2.2579	-0.0043	5.4351	-0.0048	0.1472	0.0117	0.1541
308	9.32	9.19	3.1817	2.2577	-0.0043	5.4351	-0.0072	0.1478	0.0103	0.1509
309	8.87	9.22	3.1819	2.2577	-0.0042	5.4354	-0.0102	0.1465	0.0091	0.1454
310	8.58	9.26	3.1819	2.2578	-0.0042	5.4356	-0.0171	0.1418	0.0057	0.1304
311	9.29	9.27	3.182	2.258	-0.0043	5.4357	-0.0169	0.1376	0.0006	0.1213
312	9.56	9.28	3.1823	2.258	-0.0045	5.4358	-0.014	0.1291	-0.0001	0.115
313	9.04	9.3	3.1824	2.2582	-0.0046	5.436	-0.0094	0.1222	-0.0016	0.1112
314	10.2	9.29	3.1824	2.2581	-0.0048	5.4357	-0.0059	0.1166	-0.0011	0.1096
315	9.48	9.27	3.1824	2.2578	-0.0048	5.4354	-0.0063	0.1092	0.0007	0.1036
316	9.61	9.29	3.1829	2.2573	-0.0048	5.4353	-0.0099	0.1065	0.0012	0.0977
317	9.16	9.29	3.1832	2.2566	-0.0046	5.4352	-0.0108	0.1051	-0.0001	0.0942
318	9.5	9.26	3.1835	2.2563	-0.0043	5.4355	-0.0115	0.1019	-0.001	0.0894
319	9.41	9.26	3.1834	2.2563	-0.0041	5.4357	-0.0137	0.098	0.0026	0.0869
320	8.91	9.28	3.1832	2.2565	-0.0039	5.4358	-0.0141	0.0896	0.0059	0.0814
321	9.04	9.29	3.1829	2.2566	-0.004	5.4356	-0.0174	0.0822	0.0089	0.0737
322	9.04	9.28	3.1824	2.2572	-0.0042	5.4354	-0.0199	0.0818	0.0091	0.0709
323	9.32	9.29	3.1816	2.2576	-0.0044	5.4348	-0.0265	0.0842	0.0111	0.0689
324	9.09	9.23	3.181	2.2573	-0.0047	5.4337	-0.0341	0.0765	0.0118	0.0542

325	9.76	9.23	3.1809	2.257	-0.0048	5.4331	-0.038	0.0741	0.0115	0.0476
326	9.26	9.19	3.1804	2.2568	-0.0048	5.4324	-0.0394	0.0776	0.0096	0.0478
327	8.87	9.21	3.1805	2.2564	-0.0048	5.4321	-0.0379	0.0785	0.0066	0.0472
328	8.87	9.17	3.1805	2.2561	-0.0044	5.4321	-0.0332	0.0737	0.0056	0.0462
329	8.94	9.13	3.1802	2.2556	-0.004	5.4318	-0.0266	0.0695	0.0071	0.0499
330	9.38	9.12	3.1801	2.2553	-0.0039	5.4315	-0.026	0.069	0.0107	0.0537
331	9.41	9.1	3.1802	2.2554	-0.0038	5.4318	-0.0283	0.0716	0.0118	0.0551
332	9.33	9.07	3.1802	2.2561	-0.0039	5.4323	-0.0289	0.0816	0.013	0.0657
333	9	9.02	3.1802	2.2568	-0.0041	5.4328	-0.0312	0.0869	0.0142	0.0698
334	9.44	9.01	3.1802	2.2569	-0.0043	5.4328	-0.0315	0.0891	0.0138	0.0714
335	8.83	8.96	3.18	2.2572	-0.0043	5.4329	-0.0285	0.0884	0.0132	0.0732
336	9.52	8.94	3.1799	2.2571	-0.0044	5.4326	-0.0269	0.093	0.0137	0.0798
337	8.82	8.92	3.1796	2.2571	-0.0045	5.4322	-0.0262	0.0966	0.014	0.0845
338	8.68	8.97	3.1792	2.2574	-0.0047	5.4319	-0.0272	0.0966	0.0148	0.0843
339	8.66	9.01	3.1787	2.2575	-0.0048	5.4314	-0.0268	0.1016	0.017	0.0918
340	8.7	9.03	3.1787	2.2572	-0.0049	5.4311	-0.0263	0.1096	0.0196	0.1029
341	8.43	9.01	3.179	2.2567	-0.0049	5.4308	-0.0317	0.1049	0.0204	0.0935
342	8.43	9.01	3.1795	2.2562	-0.0049	5.4309	-0.0338	0.1059	0.02	0.0922
343	8.9	9.01	3.1801	2.256	-0.0048	5.4313	-0.0386	0.1083	0.0178	0.0875
344	8.77	9.02	3.1806	2.2558	-0.0046	5.4318	-0.0406	0.1078	0.0177	0.085
345	8.82	9.09	3.1809	2.2558	-0.0046	5.4321	-0.0396	0.1071	0.0174	0.0848
346	8.56	9.09	3.1814	2.2559	-0.0047	5.4326	-0.043	0.1088	0.0185	0.0843
347	9.79	9.11	3.1811	2.2562	-0.0047	5.4326	-0.049	0.1081	0.0192	0.0783
348	9.72	9.16	3.1811	2.2557	-0.0049	5.4319	-0.056	0.1171	0.0185	0.0797
349	9.7	9.21	3.1811	2.2558	-0.0051	5.4317	-0.06	0.1209	0.018	0.0789
350	9.01	9.24	3.182	2.2551	-0.0053	5.4317	-0.0635	0.1301	0.016	0.0826
351	9.41	9.3	3.1826	2.2544	-0.0054	5.4316	-0.0675	0.1307	0.0142	0.0774
352	9.09	9.37	3.1828	2.254	-0.0053	5.4315	-0.0681	0.1304	0.0133	0.0756
353	9.55	9.4	3.1829	2.2535	-0.0053	5.4311	-0.0673	0.129	0.0121	0.0738
354	10.1	9.46	3.1827	2.2532	-0.0052	5.4307	-0.0652	0.1283	0.0111	0.0742
355	9.55	9.52	3.1825	2.2526	-0.0052	5.43	-0.0608	0.1266	0.0125	0.0783
356	9.2	9.56	3.1826	2.2521	-0.0054	5.4293	-0.0584	0.1272	0.016	0.0848
357	9.69	9.54	3.183	2.2517	-0.0053	5.4294	-0.0526	0.127	0.0167	0.0911
358	9.55	9.49	3.1833	2.2515	-0.0053	5.4295	-0.0527	0.1263	0.0185	0.0921
359	9.34	9.44	3.1839	2.2515	-0.0051	5.4304	-0.0538	0.1313	0.0178	0.0953
360	9.6	9.47	3.184	2.2518	-0.0048	5.4311	-0.0541	0.1409	0.0174	0.1041
361	9.69	9.45	3.1841	2.2519	-0.0046	5.4314	-0.0571	0.1476	0.0174	0.1079

362	9.55	9.43	3.1842	2.252	-0.0045	5.4318	-0.0591	0.153	0.0172	0.1111
363	9.85	9.38	3.1843	2.2524	-0.0045	5.4322	-0.0602	0.1579	0.0171	0.1148
364	9.88	9.3	3.1843	2.2529	-0.0047	5.4325	-0.0612	0.1649	0.016	0.1198
365	9.37	9.28	3.1843	2.253	-0.0049	5.4324	-0.0645	0.1697	0.0105	0.1157
366	9.34	9.27	3.1842	2.2528	-0.0049	5.4322	-0.0686	0.1733	0.0063	0.111
367	8.75	9.27	3.1841	2.2527	-0.0049	5.4319	-0.0687	0.1735	0.003	0.1078
368	8.91	9.25	3.1842	2.2527	-0.0052	5.4317	-0.0718	0.1634	0.0046	0.0963
369	9.46	9.24	3.1842	2.2526	-0.0054	5.4314	-0.0752	0.1592	0.0075	0.0916
370	9	9.22	3.1844	2.2524	-0.0056	5.4313	-0.0765	0.1568	0.011	0.0913
371	8.73	9.22	3.1848	2.2525	-0.0056	5.4317	-0.0789	0.1542	0.0138	0.0891
372	8.56	9.22	3.1855	2.2524	-0.0056	5.4323	-0.0823	0.1537	0.015	0.0863
373	8.72	9.21	3.1866	2.2527	-0.0056	5.4337	-0.0868	0.1593	0.0127	0.0852
374	9.04	9.21	3.1872	2.2526	-0.0054	5.4343	-0.0859	0.1626	0.0112	0.0879
375	9.17	9.22	3.1874	2.2523	-0.0052	5.4345	-0.0819	0.1602	0.0082	0.0865
376	9.55	9.25	3.1872	2.2522	-0.005	5.4344	-0.0775	0.1529	0.007	0.0824
377	9.33	9.3	3.1868	2.2527	-0.0049	5.4346	-0.074	0.1492	0.0075	0.0826
378	9.1	9.32	3.1864	2.2532	-0.0051	5.4345	-0.0666	0.1424	0.0106	0.0864
379	9.22	9.3	3.1865	2.2532	-0.0054	5.4343	-0.0603	0.1418	0.0146	0.0961
380	9.62	9.35	3.1867	2.2529	-0.0053	5.4344	-0.0574	0.1439	0.019	0.1056
381	9.62	9.39	3.1872	2.252	-0.0053	5.4339	-0.0579	0.1407	0.0194	0.1023
382	9.63	9.42	3.1876	2.2516	-0.0053	5.4339	-0.0581	0.1412	0.02	0.1031
383	9.85	9.48	3.1877	2.2512	-0.0054	5.4335	-0.0568	0.1487	0.0187	0.1106
384	9.68	9.5	3.1875	2.2509	-0.0054	5.433	-0.0574	0.157	0.0165	0.1162
385	9.87	9.54	3.1874	2.2502	-0.0054	5.4322	-0.0572	0.1559	0.0144	0.1131
386	9.67	9.57	3.1872	2.25	-0.0055	5.4318	-0.0605	0.1569	0.0149	0.1112
387	9.26	9.6	3.187	2.2502	-0.0054	5.4318	-0.0563	0.1513	0.014	0.1089
388	9.18	9.62	3.1866	2.2499	-0.0055	5.431	-0.0637	0.1473	0.0128	0.0964
389	9.81	9.64	3.1863	2.2494	-0.0056	5.4301	-0.0767	0.1508	0.0109	0.085
390	9.46	9.65	3.1859	2.25	-0.0058	5.4301	-0.0854	0.1553	0.0107	0.0806
391	9.19	9.67	3.1857	2.2502	-0.0059	5.43	-0.0875	0.1564	0.0106	0.0795
392	9.95	9.7	3.1857	2.25	-0.0058	5.4299	-0.0859	0.1531	0.0124	0.0796
393	9.44	9.73	3.1854	2.2503	-0.0057	5.4301	-0.0747	0.1487	0.013	0.0871
394	9.84	9.75	3.1852	2.2502	-0.0056	5.4297	-0.0607	0.1467	0.0143	0.1003
395	10.1	9.78	3.1851	2.25	-0.0057	5.4294	-0.051	0.1453	0.0171	0.1113
396	9.87	9.82	3.1854	2.2502	-0.0059	5.4297	-0.0396	0.145	0.0195	0.1249
397	9.6	9.88	3.1858	2.2492	-0.0059	5.4291	-0.0274	0.1476	0.0199	0.1402
398	9.49	9.93	3.186	2.2486	-0.0059	5.4287	-0.0299	0.1557	0.0191	0.1448

399	9.85	9.97	3.1862	2.2476	-0.0058	5.428	-0.0271	0.1554	0.0168	0.1452
400	10	9.98	3.1866	2.2469	-0.0057	5.4278	-0.021	0.1653	0.0154	0.1596
401	10.1	10	3.1867	2.2464	-0.0058	5.4273	-0.003	0.1631	0.0117	0.1718
402	10.5	9.99	3.1869	2.2465	-0.0058	5.4276	0.0025	0.1625	0.0114	0.1763
403	10.1	10	3.187	2.2463	-0.0057	5.4276	0.0044	0.1604	0.0108	0.1757
404	10.4	9.99	3.1871	2.246	-0.0058	5.4273	0.0049	0.1592	0.0081	0.1721
405	10.4	9.99	3.1869	2.2457	-0.006	5.4266	0.0006	0.1625	0.0071	0.1701
406	10.3	9.97	3.1867	2.2457	-0.006	5.4263	-0.0016	0.1579	0.0064	0.1627
407	10.3	9.99	3.1867	2.2453	-0.0061	5.4259	0.0035	0.1501	0.0043	0.1579
408	10.4	9.99	3.1871	2.2446	-0.0061	5.4256	0.0079	0.1487	0.0058	0.1623
409	9.64	9.97	3.1873	2.2437	-0.0059	5.425	0.0139	0.1434	0.007	0.1643
410	9.94	9.95	3.1876	2.2431	-0.0059	5.4248	0.0232	0.1414	0.0094	0.174
411	9.45	9.94	3.188	2.2427	-0.0061	5.4246	0.0291	0.1432	0.0123	0.1846
412	9.65	9.94	3.1883	2.2422	-0.0062	5.4243	0.0306	0.1441	0.0128	0.1875
413	9.7	9.93	3.1885	2.2417	-0.0062	5.424	0.0329	0.1435	0.0122	0.1887
414	9.98	9.89	3.1888	2.2411	-0.0059	5.4241	0.0344	0.1459	0.0111	0.1914
415	9.55	9.84	3.1893	2.2404	-0.0054	5.4243	0.0354	0.1535	0.0076	0.1966
416	10	9.79	3.1898	2.2399	-0.0051	5.4246	0.0421	0.1544	0.0044	0.2009
417	9.49	9.75	3.1904	2.2403	-0.005	5.4256	0.0479	0.1503	0.004	0.2022
418	9.48	9.68	3.191	2.2404	-0.0051	5.4263	0.0512	0.1474	0.004	0.2027
419	9.58	9.65	3.191	2.2407	-0.0052	5.4266	0.0561	0.1438	0.0004	0.2003
420	10	9.65	3.1911	2.2411	-0.0053	5.4269	0.0687	0.1401	-0.0021	0.2068
421	10.5	9.68	3.1911	2.2413	-0.0055	5.4269	0.0793	0.1305	-0.003	0.2067
422	9.81	9.69	3.1911	2.2412	-0.0054	5.4269	0.0977	0.1209	-0.0018	0.2167
423	9.65	9.67	3.1902	2.2413	-0.0055	5.426	0.114	0.1153	0.0003	0.2296
424	9.57	9.63	3.1892	2.2413	-0.0055	5.425	0.1325	0.1182	0.0027	0.2533
425	9.25	9.62	3.1887	2.2417	-0.0055	5.4249	0.1479	0.1169	0.0058	0.2707
426	9.52	9.59	3.1878	2.2418	-0.0055	5.4241	0.1553	0.1162	0.0112	0.2828
427	9.15	9.59	3.1872	2.2421	-0.0058	5.4235	0.1499	0.119	0.0144	0.2833
428	9.15	9.58	3.1865	2.2419	-0.0059	5.4225	0.1471	0.1304	0.015	0.2926
429	9.87	9.56	3.1859	2.2412	-0.0059	5.4212	0.1509	0.1403	0.0132	0.3044
430	9.98	9.53	3.1859	2.2412	-0.0058	5.4213	0.1579	0.1506	0.0101	0.3186
431	9.8	9.45	3.186	2.2413	-0.0058	5.4215	0.1631	0.1556	0.011	0.3297
432	9.35	9.42	3.1858	2.2412	-0.0058	5.4213	0.1649	0.1522	0.01	0.3271
433	9.36	9.39	3.1859	2.2411	-0.0058	5.4212	0.1702	0.151	0.0078	0.329
434	9.25	9.36	3.1859	2.2413	-0.0057	5.4215	0.1705	0.1468	0.0069	0.3241
435	9.4	9.34	3.1861	2.2415	-0.0058	5.4218	0.1672	0.1461	0.0055	0.3188

436	9.54	9.31	3.1855	2.242	-0.0058	5.4217	0.1636	0.1403	0.004	0.3079
437	9.24	9.32	3.1859	2.2424	-0.0058	5.4225	0.1573	0.1378	0.003	0.2981
438	9.37	9.3	3.1869	2.2424	-0.0058	5.4234	0.1476	0.1379	0.0032	0.2887
439	9.34	9.25	3.1872	2.242	-0.0059	5.4234	0.1449	0.1336	0.005	0.2835
440	8.89	9.2	3.1875	2.2416	-0.006	5.4231	0.1479	0.1299	0.0065	0.2842
441	9.37	9.14	3.1876	2.2414	-0.0061	5.4228	0.1458	0.1392	0.0065	0.2915
442	9.07	9.14	3.187	2.2414	-0.0062	5.4222	0.1466	0.146	0.0069	0.2996
443	8.91	9.12	3.1862	2.2413	-0.0062	5.4213	0.1532	0.1447	0.0082	0.3061
444	9	9.13	3.1857	2.2413	-0.0063	5.4207	0.1586	0.1502	0.0103	0.319
445	8.92	9.15	3.1849	2.2413	-0.0066	5.4197	0.1602	0.1556	0.0104	0.3261
446	9.21	9.13	3.1841	2.2411	-0.0067	5.4186	0.1609	0.1598	0.0069	0.3276
447	8.94	9.16	3.1841	2.2406	-0.0066	5.4181	0.1609	0.1677	0.0031	0.3317
448	8.89	9.16	3.1838	2.2402	-0.0066	5.4174	0.1568	0.1629	0.002	0.3216
449	8.89	9.17	3.1832	2.2393	-0.0067	5.4158	0.156	0.1546	0.0015	0.3121
450	8.73	9.2	3.1823	2.2388	-0.0065	5.4146	0.1587	0.1388	0.0012	0.2987
451	9.33	9.2	3.1823	2.2381	-0.0065	5.414	0.1584	0.1293	0.0018	0.2895
452	9	9.22	3.1824	2.2379	-0.0064	5.4139	0.1579	0.1219	0.0004	0.2802
453	9.45	9.23	3.1824	2.2376	-0.0061	5.4139	0.1608	0.122	0	0.2828
454	9.69	9.24	3.1827	2.237	-0.0059	5.4137	0.1648	0.1171	0.0018	0.2837
455	9.33	9.22	3.1827	2.2369	-0.0058	5.4137	0.1483	0.121	0.0035	0.2728
456	9.65	9.2	3.1822	2.2371	-0.0058	5.4135	0.1405	0.118	0.002	0.2605
457	9.38	9.18	3.1822	2.2369	-0.0059	5.4132	0.1439	0.1181	0.0011	0.2631
458	9.52	9.18	3.1819	2.2372	-0.006	5.4131	0.1559	0.1151	-0.0027	0.2682
459	9.54	9.15	3.1816	2.2374	-0.006	5.413	0.178	0.1034	-0.0032	0.2782
460	9.33	9.17	3.1811	2.2375	-0.006	5.4126	0.2005	0.0908	-0.0019	0.2894
461	9.48	9.14	3.181	2.2375	-0.0059	5.4126	0.2268	0.0827	-0.0005	0.309
462	9.18	9.13	3.1809	2.2377	-0.0057	5.4129	0.2462	0.0763	-0.0011	0.3214
463	9.02	9.12	3.1809	2.2378	-0.0056	5.4131	0.2584	0.0686	-0.0005	0.3266
464	8.6	9.1	3.1808	2.2375	-0.0055	5.4128	0.2679	0.0644	0.0009	0.3332
465	8.8	9.08	3.1801	2.2376	-0.0053	5.4123	0.2787	0.0557	0.0054	0.3398
466	8.69	9.05	3.1794	2.2378	-0.0053	5.412	0.2998	0.0503	0.0096	0.3597
467	8.74	9.06	3.179	2.238	-0.0053	5.4117	0.316	0.0405	0.0127	0.3691
468	8.42	9.06	3.1786	2.2383	-0.0052	5.4117	0.3448	0.037	0.0143	0.3962
469	9.09	9.07	3.1773	2.2386	-0.0052	5.4107	0.3608	0.04	0.0123	0.4131
470	8.69	9.08	3.1765	2.2394	-0.0053	5.4106	0.3706	0.0416	0.0132	0.4254
471	8.88	9.08	3.175	2.2404	-0.0054	5.41	0.3785	0.0438	0.0146	0.4369
472	9.18	9.1	3.1741	2.2409	-0.0056	5.4094	0.3766	0.0436	0.0164	0.4365

473	9.3	9.14	3.1733	2.2409	-0.0058	5.4084	0.3613	0.0449	0.019	0.4252
474	9.03	9.21	3.1724	2.2409	-0.006	5.4072	0.3349	0.0548	0.0198	0.4095
475	9.08	9.28	3.1719	2.2407	-0.0063	5.4062	0.3157	0.0642	0.0208	0.4006
476	9.49	9.36	3.1722	2.2403	-0.0064	5.4061	0.3034	0.0778	0.0219	0.403
477	9.64	9.43	3.1721	2.2396	-0.0064	5.4053	0.2922	0.0862	0.0225	0.4008
478	9.62	9.52	3.1713	2.2391	-0.0064	5.4041	0.2887	0.0974	0.0208	0.4068
479	9.63	9.58	3.1707	2.2381	-0.0064	5.4024	0.2778	0.1027	0.0199	0.4004
480	9.44	9.62	3.1704	2.2374	-0.0064	5.4014	0.2658	0.1032	0.0191	0.3881
481	9.52	9.63	3.1707	2.2368	-0.0063	5.4012	0.2635	0.1121	0.0187	0.3943
482	9.74	9.64	3.1706	2.2365	-0.0061	5.401	0.265	0.1205	0.018	0.4035
483	9.91	9.66	3.1706	2.2366	-0.0061	5.4011	0.2653	0.121	0.0175	0.4038
484	10.2	9.7	3.1707	2.2363	-0.006	5.4011	0.2684	0.1193	0.0181	0.4058
485	10.2	9.74	3.171	2.2362	-0.0058	5.4014	0.2636	0.1225	0.0191	0.4052
486	10	9.76	3.1715	2.2362	-0.0058	5.402	0.2532	0.1261	0.0152	0.3944
487	10.1	9.75	3.1722	2.2365	-0.0058	5.4029	0.2402	0.1309	0.0165	0.3876
488	10.3	9.73	3.1721	2.2365	-0.006	5.4026	0.2416	0.1359	0.0189	0.3963
489	9.42	9.7	3.1715	2.2364	-0.0062	5.4017	0.2455	0.1436	0.0179	0.407
490	9.18	9.71	3.1713	2.2361	-0.0065	5.4009	0.2432	0.1411	0.016	0.4003
491	9.4	9.72	3.171	2.2356	-0.0066	5.4	0.2414	0.1373	0.0159	0.3946
492	9.63	9.71	3.1703	2.2355	-0.0066	5.3992	0.2333	0.135	0.0166	0.3849
493	9.86	9.67	3.1696	2.2353	-0.0067	5.3982	0.2225	0.1339	0.015	0.3714
494	9.75	9.63	3.1692	2.2346	-0.0067	5.3971	0.2096	0.1367	0.0126	0.359
495	9.8	9.62	3.169	2.2341	-0.0064	5.3966	0.198	0.1365	0.0117	0.3462
496	9.51	9.6	3.1693	2.2334	-0.0062	5.3965	0.1881	0.1368	0.0111	0.336
497	9.23	9.54	3.1701	2.2329	-0.0061	5.3969	0.1801	0.137	0.0115	0.3286
498	9.17	9.47	3.1704	2.2331	-0.0061	5.3975	0.1753	0.1333	0.0137	0.3223
499	9.61	9.45	3.1704	2.2337	-0.0059	5.3981	0.1587	0.1322	0.0131	0.3041
500	9.64	9.46	3.1707	2.234	-0.0059	5.3988	0.1469	0.1283	0.0093	0.2846
501	9.48	9.45	3.1709	2.2342	-0.0058	5.3993	0.1296	0.1191	0.0091	0.2578
502	9.21	9.44	3.1708	2.2343	-0.0058	5.3993	0.1257	0.106	0.0101	0.2418
503	9.5	9.42	3.1705	2.2346	-0.0059	5.3992	0.1292	0.1034	0.0126	0.2453
504	9.93	9.38	3.1723	2.2339	-0.0062	5.4	0.13	0.1081	0.0163	0.2544
505	9.81	9.38	3.1729	2.2339	-0.0062	5.4006	0.1304	0.1015	0.0158	0.2477
506	8.89	9.4	3.1723	2.2339	-0.0062	5.4	0.1261	0.1016	0.0156	0.2433
507	8.93	9.38	3.1712	2.2338	-0.0059	5.399	0.1215	0.1053	0.0172	0.244
508	9.04	9.41	3.1693	2.2343	-0.0058	5.3978	0.1205	0.1042	0.0165	0.2412
509	9.36	9.4	3.1672	2.2346	-0.0057	5.3961	0.1248	0.1031	0.0173	0.2453

510	9.17	9.39	3.1649	2.2348	-0.0059	5.3939	0.1315	0.1032	0.0213	0.256
511	9.41	9.4	3.1633	2.2351	-0.006	5.3925	0.1363	0.1003	0.0221	0.2587
512	9.5	9.44	3.1624	2.2354	-0.0061	5.3917	0.141	0.1002	0.0242	0.2654
513	9.11	9.45	3.1617	2.2352	-0.0063	5.3907	0.1422	0.1052	0.0245	0.2718
514	9.69	9.43	3.161	2.2356	-0.0064	5.3901	0.1389	0.1112	0.0248	0.2749
515	9.92	9.41	3.1593	2.2354	-0.0064	5.3883	0.1373	0.1154	0.0248	0.2775
516	8.92	9.46	3.1582	2.2359	-0.0064	5.3877	0.1316	0.1206	0.025	0.2772
517	9.71	9.53	3.1559	2.2366	-0.0065	5.386	0.1272	0.1265	0.025	0.2787
518	9.28	9.58	3.155	2.2364	-0.0063	5.385	0.1218	0.1281	0.0234	0.2734
519	9.59	9.61	3.154	2.2365	-0.0065	5.384	0.1098	0.1314	0.0222	0.2634
520	9.7	9.62	3.1533	2.2367	-0.0068	5.3832	0.0843	0.141	0.0206	0.246
521	9.86	9.65	3.1535	2.2369	-0.0071	5.3833	0.0753	0.1479	0.0175	0.2407
522	9.79	9.65	3.155	2.2367	-0.0073	5.3844	0.0578	0.16	0.0141	0.2319
523	9.42	9.66	3.1567	2.2358	-0.0075	5.3851	0.0421	0.1602	0.0126	0.215
524	9.56	9.64	3.1577	2.2349	-0.0076	5.385	0.0233	0.1611	0.0107	0.1951
525	9.71	9.59	3.1583	2.2339	-0.0077	5.3846	0.0191	0.1587	0.0065	0.1844
526	10.4	9.63	3.1586	2.2332	-0.0078	5.384	0.0198	0.1537	0.003	0.1765
527	9.93	9.6	3.1583	2.2324	-0.0079	5.3828	0.0362	0.1454	0.0043	0.1859
528	9.89	9.58	3.1588	2.2316	-0.0079	5.3825	0.0404	0.133	0.0058	0.1792
529	9.42	9.56	3.1594	2.2308	-0.0078	5.3824	0.0455	0.1237	0.007	0.1762
530	9.97	9.53	3.1596	2.23	-0.0077	5.3819	0.0613	0.114	0.0076	0.1829
531	9.57	9.51	3.1595	2.2292	-0.0076	5.3811	0.0743	0.1033	0.0093	0.187
532	9.2	9.48	3.1593	2.2291	-0.0076	5.3809	0.1027	0.0947	0.0117	0.2091
533	9.3	9.47	3.1591	2.2291	-0.0076	5.3806	0.128	0.0894	0.0173	0.2347
534	9.07	9.45	3.1596	2.2291	-0.0076	5.381	0.1413	0.0914	0.0209	0.2536
535	9.57	9.4	3.1608	2.2289	-0.0073	5.3823	0.1464	0.0907	0.0254	0.2626
536	9.16	9.32	3.1615	2.2289	-0.0074	5.3829	0.1419	0.0963	0.0248	0.263
537	8.86	9.27	3.1618	2.2288	-0.0077	5.3829	0.1466	0.1004	0.0226	0.2695
538	9.27	9.25	3.1623	2.228	-0.0076	5.3827	0.155	0.1012	0.0235	0.2797
539	9.16	9.22	3.1629	2.2279	-0.0075	5.3833	0.1458	0.0984	0.0212	0.2654
540	9.53	9.19	3.1633	2.2279	-0.0075	5.3837	0.135	0.0971	0.0182	0.2503
541	9.2	9.19	3.1643	2.2279	-0.0078	5.3844	0.1277	0.0952	0.0155	0.2384
542	9.18	9.18	3.1648	2.228	-0.0077	5.385	0.1136	0.0931	0.0159	0.2227
543	9.13	9.15	3.1652	2.2276	-0.0075	5.3854	0.1021	0.1017	0.0177	0.2215
544	8.84	9.16	3.1659	2.2276	-0.0075	5.386	0.0917	0.106	0.0162	0.2139
545	8.76	9.15	3.1661	2.2276	-0.0077	5.3861	0.0823	0.1039	0.0136	0.1998
546	9.14	9.16	3.1661	2.2274	-0.0078	5.3857	0.0859	0.0987	0.0147	0.1993

547	9.48	9.18	3.1666	2.2273	-0.008	5.3859	0.1011	0.0937	0.0162	0.211
548	8.8	9.17	3.1679	2.227	-0.0079	5.387	0.1114	0.0867	0.0147	0.2128
549	9.38	9.16	3.1685	2.2264	-0.0076	5.3873	0.096	0.0869	0.014	0.1969
550	9.62	9.18	3.1693	2.2268	-0.0074	5.3888	0.0895	0.089	0.0172	0.1958
551	8.94	9.16	3.1698	2.2275	-0.0075	5.3898	0.0988	0.0879	0.0203	0.2071
552	8.83	9.16	3.1695	2.2276	-0.0076	5.3894	0.1186	0.0884	0.0227	0.2298
553	9.17	9.18	3.1694	2.2268	-0.0077	5.3885	0.1327	0.089	0.0242	0.2459
554	9.37	9.23	3.1696	2.2268	-0.0075	5.3889	0.1494	0.093	0.0269	0.2694
555	9.37	9.25	3.1701	2.2267	-0.0074	5.3894	0.1912	0.0928	0.0259	0.3098
556	9.26	9.23	3.1701	2.2265	-0.0075	5.3891	0.2229	0.0975	0.026	0.3465
557	9.08	9.22	3.1701	2.2264	-0.0075	5.389	0.2294	0.1063	0.0265	0.3622
558	9.03	9.24	3.1694	2.2269	-0.0077	5.3886	0.2141	0.1098	0.0282	0.352
559	9.76	9.23	3.1684	2.2271	-0.0081	5.3874	0.1836	0.1194	0.0269	0.33
560	8.8	9.22	3.1675	2.2275	-0.0082	5.3867	0.1476	0.1268	0.0243	0.2987
561	9.27	9.23	3.1669	2.2275	-0.0083	5.3861	0.1122	0.1297	0.0208	0.2627
562	9.53	9.25	3.1667	2.2272	-0.0082	5.3857	0.0867	0.1346	0.0164	0.2376
563	9.76	9.27	3.167	2.2267	-0.0081	5.3856	0.0728	0.1351	0.0146	0.2225
564	9.08	9.29	3.1671	2.226	-0.0079	5.3851	0.0614	0.1302	0.0138	0.2054
565	8.89	9.3	3.1669	2.2255	-0.0078	5.3846	0.0479	0.1396	0.0124	0.1999
566	9.23	9.28	3.1667	2.2252	-0.0078	5.3841	0.0285	0.1386	0.012	0.1791
567	9.12	9.26	3.1668	2.2252	-0.0076	5.3843	0.0178	0.1356	0.0128	0.1662
568	9.16	9.24	3.1676	2.2252	-0.0074	5.3853	-0.0053	0.1377	0.0123	0.1447
569	9.46	9.17	3.1689	2.2245	-0.0073	5.3861	-0.0122	0.1257	0.0139	0.1274
570	9.18	9.16	3.169	2.2246	-0.007	5.3865	-0.0188	0.1215	0.0145	0.1172
571	9.26	9.14	3.1692	2.2244	-0.0068	5.3869	-0.0167	0.1163	0.0127	0.1123
572	9.48	9.08	3.1699	2.2249	-0.0069	5.3879	-0.0051	0.1188	0.0106	0.1242
573	9.69	9.02	3.171	2.2248	-0.0069	5.3889	0.0133	0.1145	0.0087	0.1364
574	9.65	8.99	3.1705	2.225	-0.0067	5.3888	0.0287	0.1042	0.0083	0.1412
575	8.96	9.01	3.1699	2.2253	-0.0066	5.3885	0.0317	0.0928	0.0072	0.1317
576	8.61	9	3.1686	2.2258	-0.0068	5.3875	0.0289	0.0813	0.0075	0.1177
577	8.72	9.02	3.168	2.2263	-0.007	5.3874	0.0227	0.0766	0.007	0.1063
578	8.42	9.07	3.1668	2.2268	-0.0071	5.3864	0.0102	0.0724	0.0069	0.0894
579	8.64	9.08	3.1646	2.2267	-0.0072	5.3842	0.0069	0.0691	0.0071	0.0831
580	8.86	9.11	3.163	2.227	-0.0073	5.3827	0.0052	0.0615	0.0092	0.0759
581	8.33	9.17	3.1604	2.2274	-0.0075	5.3803	0.0017	0.0529	0.0106	0.0652
582	8.6	9.2	3.1578	2.2276	-0.0078	5.3775	-0.0019	0.046	0.013	0.0571
583	8.56	9.22	3.1565	2.2274	-0.0082	5.3757	-0.0129	0.0448	0.0138	0.0457

584	9.31	9.22	3.1561	2.2272	-0.0085	5.3748	-0.0183	0.0486	0.0147	0.0449
585	9.03	9.27	3.1568	2.2266	-0.0083	5.3751	-0.0209	0.0492	0.0157	0.0439
586	9.42	9.36	3.1568	2.2262	-0.008	5.375	-0.0138	0.0497	0.0184	0.0543
587	10.1	9.42	3.1567	2.2263	-0.0081	5.3749	-0.0099	0.0532	0.0165	0.0598
588	9.63	9.48	3.1575	2.2267	-0.0081	5.3761	-0.0097	0.0546	0.0141	0.0591
589	9.77	9.51	3.158	2.2267	-0.0081	5.3766	-0.0066	0.0495	0.0158	0.0587
590	10.3	9.54	3.1586	2.2265	-0.008	5.3771	-0.0026	0.0518	0.0179	0.0671
591	10.2	9.6	3.1597	2.2263	-0.0082	5.3778	-0.0005	0.0549	0.0165	0.0709
592	9.92	9.64	3.1601	2.2253	-0.0084	5.3771	0.0087	0.058	0.015	0.0817
593	9.74	9.67	3.1604	2.2247	-0.0083	5.3768	0.0259	0.0588	0.0162	0.1009
594	9.82	9.66	3.1609	2.2242	-0.008	5.3772	0.0391	0.0594	0.0194	0.1179
595	10.3	9.67	3.1604	2.2242	-0.0079	5.3767	0.0439	0.0682	0.0186	0.1307
596	9.9	9.66	3.1592	2.224	-0.0078	5.3754	0.044	0.0725	0.0164	0.1329
597	9.69	9.61	3.159	2.2242	-0.0076	5.3757	0.048	0.0766	0.0152	0.1398
598	9.17	9.56	3.1608	2.2244	-0.0074	5.3778	0.0543	0.083	0.0142	0.1516
599	9.37	9.54	3.1614	2.2248	-0.0077	5.3785	0.0641	0.0924	0.0149	0.1714
600	9.4	9.5	3.1608	2.2252	-0.0079	5.3781	0.0672	0.0953	0.0136	0.1761
601	9.4	9.48	3.159	2.2254	-0.0081	5.3763	0.0697	0.1024	0.0149	0.187
602	9.24	9.49	3.1576	2.2254	-0.0082	5.3747	0.0602	0.1113	0.0128	0.1843
603	9.06	9.52	3.1556	2.2253	-0.0086	5.3723	0.0468	0.1093	0.0094	0.1656
604	9.23	9.52	3.1531	2.2246	-0.0088	5.369	0.038	0.097	0.0076	0.1426
605	9.31	9.51	3.1506	2.2241	-0.0088	5.3659	0.0361	0.0898	0.0101	0.136
606	9.14	9.52	3.1493	2.2232	-0.0088	5.3637	0.0381	0.0807	0.0124	0.1311
607	8.69	9.54	3.1498	2.2228	-0.0087	5.3638	0.0344	0.0816	0.0118	0.1279
608	9.31	9.58	3.1509	2.2223	-0.0085	5.3648	0.0398	0.0805	0.0117	0.132
609	9.55	9.61	3.1525	2.2219	-0.0082	5.3662	0.0426	0.0802	0.011	0.1338
610	9.81	9.62	3.1537	2.2218	-0.0079	5.3676	0.0384	0.0811	0.0098	0.1294
611	10.2	9.61	3.1547	2.2217	-0.0076	5.3687	0.0239	0.0896	0.0108	0.1243
612	10.3	9.63	3.1552	2.2219	-0.0076	5.3694	0.0061	0.0946	0.0109	0.1116
613	9.84	9.68	3.1556	2.2222	-0.0077	5.3701	-0.0007	0.0956	0.0121	0.107
614	10.2	9.72	3.1562	2.2216	-0.0076	5.3702	0.0007	0.0933	0.0152	0.1092
615	10.1	9.74	3.1565	2.2215	-0.0076	5.3704	0.0007	0.0903	0.0167	0.1077
616	10.1	9.74	3.1564	2.2223	-0.0077	5.371	0.0164	0.0797	0.0187	0.1148
617	9.93	9.79	3.1564	2.2228	-0.0077	5.3715	0.0134	0.0761	0.0191	0.1086
618	9.85	9.82	3.1562	2.2238	-0.0077	5.3723	0.0057	0.0784	0.023	0.1072
619	9.56	9.8	3.1559	2.2244	-0.0079	5.3723	0.011	0.0819	0.0262	0.1191
620	9.28	9.82	3.1549	2.2251	-0.0081	5.372	0.0319	0.0731	0.0277	0.1327

621	9.69	9.82	3.154	2.225	-0.0082	5.3709	0.0354	0.0729	0.0296	0.1378
622	9.92	9.81	3.1536	2.2253	-0.0082	5.3707	0.0375	0.0747	0.0326	0.1448
623	9.98	9.81	3.1539	2.2254	-0.0083	5.371	0.0363	0.0816	0.0293	0.1472
624	9.62	9.81	3.1545	2.2256	-0.0083	5.3718	0.0358	0.0771	0.0281	0.141
625	9.26	9.81	3.1554	2.2258	-0.0084	5.3728	0.0212	0.0793	0.0311	0.1315
626	9.55	9.79	3.1563	2.2256	-0.0085	5.3734	0.0096	0.0824	0.0304	0.1224
627	9.89	9.79	3.1573	2.2252	-0.0086	5.3738	-0.0118	0.0901	0.0279	0.1063
628	9.17	9.8	3.1581	2.2247	-0.0086	5.3742	-0.0242	0.0985	0.0275	0.1018
629	10.3	9.79	3.1588	2.2247	-0.0087	5.3748	-0.0439	0.1062	0.0266	0.0888
630	10.2	9.79	3.1594	2.2247	-0.0087	5.3754	-0.0707	0.1074	0.0239	0.0606
631	9.94	9.75	3.1597	2.2246	-0.0089	5.3754	-0.093	0.1076	0.0189	0.0335
632	9.95	9.75	3.1606	2.2247	-0.0089	5.3763	-0.1295	0.1108	0.0149	-0.0038
633	10.2	9.71	3.1609	2.2243	-0.0091	5.3761	-0.1567	0.1129	0.0084	-0.0354
634	9.94	9.69	3.1616	2.2241	-0.0092	5.3766	-0.1641	0.112	0.0034	-0.0487
635	9.86	9.71	3.1621	2.2239	-0.0091	5.3769	-0.1568	0.1054	0	-0.0513
636	9.85	9.7	3.1625	2.2236	-0.0091	5.377	-0.1368	0.0927	0.0033	-0.0409
637	10	9.65	3.1628	2.2233	-0.0091	5.377	-0.1269	0.089	0.0069	-0.031
638	9.34	9.65	3.163	2.2231	-0.0092	5.3768	-0.1178	0.0892	0.007	-0.0216
639	9.33	9.63	3.1632	2.2227	-0.0093	5.3766	-0.0849	0.088	0.0073	0.0104
640	8.98	9.62	3.1634	2.2224	-0.0092	5.3766	-0.0484	0.0859	0.0088	0.0463
641	9.82	9.59	3.1634	2.2221	-0.0093	5.3762	-0.0054	0.0811	0.0113	0.087
642	9.27	9.6	3.1622	2.2221	-0.0093	5.3749	0.0255	0.0776	0.0122	0.1153
643	9.16	9.58	3.1613	2.2217	-0.0094	5.3736	0.0404	0.0696	0.0125	0.1225
644	9.68	9.57	3.1615	2.2208	-0.0094	5.373	0.0395	0.0687	0.0159	0.1241
645	9.41	9.58	3.1617	2.2204	-0.0093	5.3728	0.0344	0.0704	0.0212	0.126
646	8.98	9.57	3.1613	2.2198	-0.0094	5.3717	0.0148	0.078	0.0247	0.1175
647	9.18	9.57	3.1611	2.219	-0.0094	5.3707	0.0055	0.0916	0.0261	0.1232
648	9.92	9.61	3.1615	2.2177	-0.0094	5.3698	0.003	0.0955	0.0262	0.1248
649	9.9	9.62	3.1618	2.2169	-0.009	5.3697	0.0219	0.1029	0.0244	0.1491
650	9.38	9.64	3.1624	2.2166	-0.0089	5.3701	0.0216	0.1087	0.0207	0.151
651	10.2	9.65	3.1637	2.2164	-0.0088	5.3714	-0.009	0.1145	0.0151	0.1206
652	9.84	9.65	3.1648	2.2166	-0.0086	5.3729	-0.0459	0.1205	0.012	0.0866
653	9.74	9.67	3.1656	2.2171	-0.0085	5.3742	-0.0907	0.1258	0.0103	0.0454
654	9.93	9.63	3.166	2.2178	-0.0085	5.3753	-0.1409	0.1298	0.0046	-0.0066
655	9.79	9.64	3.1663	2.2186	-0.0086	5.3763	-0.1885	0.1278	0.0006	-0.0601
656	9.9	9.68	3.1666	2.2184	-0.0087	5.3763	-0.2333	0.119	0	-0.1143
657	10.1	9.69	3.1662	2.2184	-0.0087	5.3758	-0.25	0.1042	0	-0.1458

658	9.48	9.65	3.1652	2.2188	-0.0088	5.3752	-0.2378	0.0945	0.002	-0.1413
659	9.42	9.62	3.1646	2.219	-0.0091	5.3745	-0.2115	0.0845	0.0044	-0.1225
660	9.98	9.62	3.1651	2.2185	-0.0093	5.3743	-0.1878	0.0779	0.0043	-0.1056
661	9.4	9.61	3.1663	2.218	-0.0094	5.3749	-0.16	0.0737	0.0087	-0.0776
662	9.36	9.57	3.1668	2.2176	-0.0094	5.375	-0.1427	0.0676	0.0124	-0.0628
663	8.95	9.52	3.1669	2.2173	-0.0096	5.3747	-0.1351	0.0678	0.0143	-0.053
664	9.63	9.48	3.167	2.2169	-0.0096	5.3743	-0.1272	0.0687	0.014	-0.0445
665	9.82	9.47	3.1653	2.2175	-0.0097	5.3731	-0.0969	0.0628	0.0133	-0.0209
666	9.27	9.42	3.1654	2.2176	-0.0097	5.3732	-0.0645	0.0579	0.0125	0.0059
667	9.13	9.34	3.1662	2.2173	-0.0099	5.3736	-0.0539	0.0647	0.0117	0.0225
668	9.44	9.32	3.1665	2.217	-0.0101	5.3734	-0.0301	0.0651	0.0141	0.0491
669	9.33	9.28	3.1657	2.2172	-0.01	5.3728	-0.0077	0.0725	0.0148	0.0797
670	10.1	9.2	3.1655	2.2173	-0.01	5.3728	0.003	0.0784	0.0154	0.0967
671	9.01	9.16	3.1655	2.217	-0.0101	5.3724	0.0223	0.0932	0.0163	0.1318
672	8.83	9.13	3.1662	2.2167	-0.0098	5.3731	0.0256	0.0985	0.0154	0.1394
673	9.05	9.13	3.1674	2.2171	-0.0097	5.3748	0.0486	0.104	0.0151	0.1677
674	9.65	9.1	3.1683	2.2171	-0.0098	5.3756	0.0707	0.0981	0.0142	0.183
675	8.9	9.05	3.1689	2.2171	-0.0097	5.3763	0.0871	0.1022	0.0153	0.2045
676	8.72	9.01	3.1698	2.2167	-0.0096	5.3769	0.1153	0.1066	0.0146	0.2365
677	8.96	9.01	3.1704	2.2165	-0.0097	5.3772	0.1443	0.1037	0.0136	0.2616
678	8.71	8.99	3.1712	2.2161	-0.0098	5.3776	0.1668	0.1	0.0116	0.2784
679	8.44	8.97	3.1717	2.216	-0.0095	5.3781	0.1651	0.0949	0.0104	0.2704
680	8.75	8.94	3.1723	2.2163	-0.0092	5.3793	0.1715	0.0933	0.009	0.2738
681	8.82	8.96	3.1734	2.2163	-0.009	5.3807	0.1852	0.096	0.0095	0.2906
682	8.83	9.02	3.1735	2.2163	-0.0087	5.3811	0.1864	0.0947	0.0097	0.2909
683	9.12	9.04	3.1729	2.2162	-0.0085	5.3806	0.196	0.0966	0.0125	0.305
684	8.89	9.02	3.1718	2.2167	-0.0085	5.3799	0.2054	0.0897	0.0102	0.3053
685	8.53	9.05	3.1705	2.2173	-0.0086	5.3792	0.2103	0.0883	0.01	0.3086
686	8.99	9.11	3.1695	2.2173	-0.0087	5.3781	0.1883	0.0927	0.011	0.292
687	9.18	9.16	3.1685	2.2174	-0.0088	5.3771	0.1728	0.0954	0.013	0.2812
688	8.99	9.21	3.166	2.2179	-0.0088	5.3751	0.1761	0.0928	0.0133	0.2823
689	9.47	9.3	3.1629	2.2181	-0.0089	5.372	0.1717	0.0905	0.014	0.2763
690	9.5	9.36	3.1591	2.2184	-0.0091	5.3684	0.1774	0.0899	0.0135	0.2808
691	9.81	9.45	3.1571	2.2185	-0.0094	5.3662	0.1833	0.0946	0.0134	0.2912
692	9.43	9.51	3.1561	2.2184	-0.0096	5.3649	0.137	0.1013	0.0085	0.2468
693	9.26	9.56	3.1565	2.2178	-0.0099	5.3644	0.0825	0.117	0.006	0.2055
694	9.54	9.61	3.1575	2.2172	-0.0102	5.3646	0.0332	0.1221	0.0033	0.1586

695	9.93	9.66	3.1589	2.2164	-0.0104	5.3649	-0.0139	0.1267	0.0005	0.1133
696	9.78	9.67	3.1586	2.2149	-0.0104	5.3631	-0.0267	0.1186	0.001	0.0929
697	9.83	9.69	3.1587	2.2147	-0.0102	5.3632	-0.0479	0.1101	-0.0004	0.0618
698	10.1	9.72	3.1586	2.2142	-0.0099	5.3629	-0.05	0.0988	0.0004	0.0491
699	9.82	9.69	3.1592	2.2139	-0.0097	5.3634	-0.0528	0.0889	0.0023	0.0384
700	10.5	9.69	3.1617	2.2138	-0.0094	5.3661	-0.053	0.0806	0.0065	0.0341
701	9.98	9.68	3.1636	2.2133	-0.0093	5.3677	-0.0435	0.0725	0.0047	0.0337
702	10.2	9.68	3.1666	2.2128	-0.0093	5.3702	-0.0158	0.0595	0.0046	0.0483
703	9.71	9.68	3.1697	2.2123	-0.009	5.3729	0.0143	0.0576	0.0065	0.0784
704	9.59	9.66	3.172	2.2119	-0.0088	5.375	0.0442	0.061	0.0077	0.1129
705	9.17	9.61	3.1739	2.2123	-0.0088	5.3774	0.059	0.0713	0.0085	0.1388
706	9.45	9.6	3.1743	2.2128	-0.0088	5.3783	0.0776	0.0735	0.0076	0.1586
707	9.64	9.56	3.1735	2.2133	-0.0089	5.378	0.092	0.0641	0.0032	0.1593
708	8.89	9.54	3.1721	2.2139	-0.0089	5.377	0.1152	0.0614	0.0042	0.1808
709	9.55	9.53	3.1712	2.2141	-0.0086	5.3767	0.1234	0.0554	0.0066	0.1854
710	9.63	9.52	3.1697	2.2145	-0.0088	5.3754	0.1357	0.0519	0.0033	0.1909
711	9.41	9.52	3.1689	2.2149	-0.0088	5.375	0.1564	0.0478	0.0029	0.2071
712	9.28	9.55	3.1687	2.2151	-0.009	5.3747	0.1881	0.0412	0.0015	0.2308
713	9.03	9.57	3.1683	2.2154	-0.0091	5.3746	0.2023	0.0345	0.002	0.2388
714	9.07	9.62	3.1659	2.2153	-0.009	5.3722	0.2213	0.0292	0	0.2506
715	9.48	9.68	3.1629	2.2158	-0.0088	5.3698	0.2411	0.0163	0.0011	0.2585
716	9.17	9.73	3.1618	2.2158	-0.0089	5.3688	0.2359	0.0219	0.0027	0.2605
717	9.78	9.75	3.1594	2.2163	-0.0091	5.3666	0.2521	0.0286	0.0037	0.2843
718	9.52	9.79	3.157	2.2166	-0.0092	5.3643	0.276	0.0299	0.0006	0.3065
719	10.4	9.81	3.1556	2.2165	-0.0095	5.3626	0.2917	0.0327	-0.0006	0.3239
720	10	9.82	3.1527	2.2158	-0.0097	5.3588	0.284	0.0402	-0.0003	0.3239
721	10.7	9.82	3.1514	2.2152	-0.0097	5.3569	0.2798	0.0492	0.0013	0.3303
722	9.95	9.81	3.1488	2.2149	-0.0097	5.354	0.2791	0.0475	0.0024	0.329
723	10.6	9.84	3.1468	2.2156	-0.0097	5.3527	0.2745	0.0522	0.0058	0.3324
724	10.3	9.93	3.1458	2.2154	-0.0098	5.3513	0.2825	0.0663	0.007	0.3558
725	10.5	9.94	3.1439	2.2151	-0.0099	5.3491	0.3008	0.068	0.0061	0.3748
726	9.9	9.99	3.1419	2.2152	-0.0099	5.3472	0.2985	0.0716	0.0072	0.3773
727	9.77	10	3.1406	2.2151	-0.0097	5.346	0.2874	0.0701	0.0077	0.3653
728	9.94	10	3.1416	2.2152	-0.0096	5.3472	0.286	0.0667	0.0073	0.36
729	9.77	9.99	3.1417	2.2154	-0.0096	5.3475	0.2759	0.0656	0.0074	0.3489
730	9.34	10	3.1409	2.2151	-0.0097	5.3463	0.2579	0.0684	0.0087	0.3349
731	9.09	9.99	3.141	2.2152	-0.0099	5.3463	0.2618	0.0819	0.0136	0.3573

732	9.66	9.99	3.141	2.215	-0.0102	5.3458	0.2727	0.0807	0.0173	0.3707
733	10.7	9.96	3.1404	2.2153	-0.0101	5.3456	0.269	0.0836	0.0193	0.3718
734	9.82	9.97	3.1406	2.2153	-0.0102	5.3457	0.2671	0.0807	0.021	0.3688
735	10.1	9.96	3.1433	2.2146	-0.0102	5.3477	0.2639	0.0815	0.0222	0.3676
736	10	9.96	3.1452	2.214	-0.0104	5.3488	0.2592	0.0837	0.0229	0.3658
737	9.59	9.96	3.1451	2.2141	-0.0104	5.3488	0.2474	0.0854	0.0247	0.3575
738	9.87	9.93	3.1458	2.214	-0.0106	5.3492	0.2236	0.0886	0.0245	0.3367
739	10.3	9.89	3.1454	2.2137	-0.0106	5.3485	0.188	0.0914	0.0243	0.3038
740	10.5	9.87	3.1451	2.2129	-0.0105	5.3475	0.1504	0.0972	0.0237	0.2713
741	9.99	9.86	3.1497	2.212	-0.0102	5.3515	0.1094	0.102	0.0203	0.2316
742	10.1	9.82	3.1539	2.2104	-0.0099	5.3544	0.0877	0.1036	0.017	0.2083
743	10.4	9.71	3.158	2.2095	-0.0097	5.3578	0.0814	0.0992	0.0157	0.1963
744	10.3	9.66	3.1629	2.2082	-0.0094	5.3616	0.0857	0.0941	0.0139	0.1937
745	9.91	9.61	3.1644	2.2085	-0.0094	5.3635	0.094	0.0885	0.0114	0.1939
746	9.75	9.6	3.1661	2.2088	-0.0093	5.3655	0.106	0.0723	0.0093	0.1876
747	9.49	9.6	3.1661	2.2091	-0.0094	5.3658	0.0934	0.0567	0.0092	0.1593
748	9.03	9.57	3.1668	2.2088	-0.0096	5.366	0.0822	0.0485	0.0131	0.1437
749	8.96	9.54	3.1671	2.2088	-0.0096	5.3663	0.0724	0.0438	0.0185	0.1347
750	8.92	9.51	3.1667	2.2094	-0.0094	5.3667	0.0721	0.0472	0.0215	0.1408
751	8.85	9.5	3.1653	2.2105	-0.0093	5.3665	0.0921	0.0498	0.0256	0.1674
752	8.59	9.49	3.1634	2.2109	-0.0092	5.365	0.0992	0.0483	0.0276	0.1751
753	8.91	9.49	3.1612	2.211	-0.0093	5.3629	0.1239	0.0459	0.0285	0.1983
754	9.09	9.51	3.1601	2.2107	-0.0094	5.3614	0.1484	0.0448	0.0274	0.2207
755	9.84	9.52	3.1585	2.2113	-0.0094	5.3604	0.1603	0.0415	0.0286	0.2305
756	9.61	9.57	3.1574	2.212	-0.009	5.3604	0.1638	0.0436	0.0299	0.2373
757	9.41	9.64	3.1546	2.2122	-0.0091	5.3578	0.1628	0.054	0.0312	0.248
758	9.7	9.7	3.1529	2.2133	-0.0095	5.3566	0.1412	0.0587	0.0343	0.2341
759	9.92	9.8	3.151	2.2138	-0.0094	5.3554	0.1086	0.069	0.035	0.2126
760	9.69	9.87	3.1494	2.2137	-0.0096	5.3536	0.0959	0.0775	0.0374	0.2107
761	10	9.98	3.1475	2.2139	-0.0095	5.3519	0.0766	0.0875	0.0336	0.1976
762	10.4	10.1	3.1466	2.2141	-0.0096	5.3511	0.0604	0.0957	0.0326	0.1887
763	10.5	10.2	3.1448	2.2144	-0.0096	5.3496	0.0479	0.0984	0.0313	0.1775
764	10.2	10.2	3.1429	2.2153	-0.0097	5.3485	0.0333	0.1054	0.032	0.1706
765	10.7	10.2	3.1417	2.2153	-0.0099	5.3471	0.0014	0.1035	0.0328	0.1377
766	10.8	10.3	3.1402	2.2147	-0.0101	5.3448	-0.0328	0.1127	0.0343	0.1142
767	10.1	10.4	3.1386	2.2143	-0.01	5.3429	-0.0277	0.1111	0.0344	0.1178
768	10.8	10.5	3.1373	2.2137	-0.01	5.341	-0.0509	0.1119	0.0319	0.093

769	10.4	10.5	3.1373	2.2131	-0.01	5.3404	-0.079	0.1163	0.0279	0.0652
770	10.8	10.5	3.1375	2.2124	-0.0101	5.3397	-0.1108	0.1317	0.0232	0.0442
771	10.5	10.5	3.1376	2.2122	-0.0103	5.3395	-0.1509	0.1296	0.0193	-0.002
772	10.5	10.5	3.1388	2.2115	-0.0104	5.3399	-0.1681	0.1287	0.02	-0.0194
773	10.1	10.4	3.1391	2.2105	-0.0104	5.3392	-0.2084	0.1271	0.0186	-0.0627
774	10.4	10.4	3.1383	2.2103	-0.0104	5.3382	-0.2338	0.1333	0.0149	-0.0856
775	11	10.3	3.1391	2.2099	-0.0104	5.3386	-0.2512	0.1299	0.0122	-0.1091
776	10.8	10.2	3.141	2.2097	-0.0104	5.3404	-0.2649	0.1153	0.011	-0.1387
777	10.7	10.2	3.1418	2.2098	-0.0105	5.3412	-0.2739	0.1061	0.0114	-0.1564
778	9.97	10.2	3.1436	2.2096	-0.0105	5.3427	-0.2685	0.0937	0.014	-0.1608
779	10.6	10.1	3.1459	2.2092	-0.0104	5.3446	-0.2362	0.091	0.018	-0.1271
780	10.2	10.1	3.1461	2.2081	-0.0106	5.3436	-0.2106	0.09	0.0235	-0.0971
781	9.91	10	3.1461	2.2082	-0.0107	5.3436	-0.2291	0.0948	0.0272	-0.1071
782	9.43	10	3.1466	2.2079	-0.0106	5.3439	-0.2399	0.0997	0.0252	-0.1151
783	9.46	10	3.1462	2.2081	-0.0106	5.3437	-0.2471	0.0975	0.0213	-0.1283
784	9.43	9.97	3.1454	2.2085	-0.0107	5.3432	-0.2627	0.103	0.0227	-0.1369
785	9.41	9.93	3.1446	2.2089	-0.0109	5.3426	-0.2713	0.1007	0.0213	-0.1493
786	9.65	9.88	3.1448	2.2088	-0.0112	5.3424	-0.2583	0.0904	0.0208	-0.1471
787	9.76	9.82	3.1461	2.2085	-0.0113	5.3434	-0.2548	0.0883	0.0175	-0.149
788	9.5	9.82	3.1472	2.2088	-0.0113	5.3447	-0.2616	0.0885	0.0167	-0.1564
789	10	9.79	3.1478	2.2083	-0.0113	5.3449	-0.2577	0.0863	0.0172	-0.1543
790	9.78	9.77	3.1481	2.2082	-0.0112	5.3452	-0.2615	0.0849	0.0199	-0.1568
791	9.86	9.75	3.1484	2.2081	-0.0111	5.3454	-0.2723	0.0835	0.0225	-0.1662
792	10.3	9.76	3.148	2.2085	-0.0112	5.3452	-0.2349	0.0795	0.0284	-0.127
793	9.64	9.77	3.1479	2.2084	-0.0113	5.345	-0.1867	0.0701	0.0358	-0.0808
794	10.3	9.75	3.1481	2.2084	-0.0113	5.3452	-0.148	0.0721	0.0372	-0.0386
795	9.81	9.73	3.1483	2.2092	-0.0113	5.3462	-0.0991	0.0618	0.0364	-0.0009
796	9.67	9.71	3.1493	2.2092	-0.0113	5.3471	-0.0792	0.0643	0.0341	0.0192
797	10	9.72	3.1505	2.2098	-0.0115	5.3488	-0.0441	0.0588	0.0336	0.0483
798	9.86	9.74	3.1514	2.2098	-0.0117	5.3494	-0.0184	0.0543	0.0345	0.0705
799	9.87	9.74	3.152	2.2092	-0.0119	5.3493	-0.0072	0.0454	0.0348	0.0731
800	9.48	9.75	3.1525	2.2088	-0.012	5.3493	-0.0093	0.0435	0.037	0.0712
801	9.71	9.75	3.1537	2.2085	-0.0121	5.3502	-0.0222	0.0496	0.0417	0.0691
802	9.57	9.73	3.1542	2.2082	-0.0121	5.3504	-0.0429	0.0622	0.0443	0.0636
803	9.08	9.74	3.1548	2.2078	-0.0118	5.3509	-0.0668	0.081	0.0455	0.0596
804	9.11	9.7	3.156	2.2077	-0.0117	5.352	-0.0863	0.0811	0.0443	0.0392
805	9.22	9.65	3.1575	2.2079	-0.0118	5.3536	-0.0934	0.088	0.0452	0.0398

806	10	9.62	3.158	2.2074	-0.0119	5.3535	-0.1004	0.0991	0.0444	0.0431
807	9.76	9.62	3.1594	2.2075	-0.0123	5.3546	-0.0994	0.1151	0.0512	0.067
808	9.97	9.63	3.1612	2.207	-0.0124	5.3558	-0.1171	0.1237	0.0518	0.0584
809	10.1	9.61	3.1617	2.2064	-0.0123	5.3557	-0.1396	0.1485	0.0474	0.0563
810	9.83	9.62	3.1621	2.2057	-0.0122	5.3556	-0.1664	0.168	0.0452	0.0467
811	9.81	9.59	3.1629	2.2053	-0.0121	5.3561	-0.1902	0.1816	0.038	0.0294
812	9.9	9.58	3.1639	2.2052	-0.0122	5.357	-0.213	0.1897	0.0308	0.0074
813	9.47	9.63	3.165	2.2048	-0.0123	5.3575	-0.244	0.1898	0.0258	-0.0284
814	8.86	9.64	3.1657	2.205	-0.0122	5.3585	-0.2929	0.1784	0.025	-0.0896
815	9.23	9.64	3.1662	2.2045	-0.0123	5.3584	-0.3297	0.1689	0.0255	-0.1353
816	9.97	9.64	3.1646	2.2047	-0.0123	5.357	-0.3548	0.1644	0.0226	-0.1678
817	9.98	9.66	3.1645	2.2051	-0.0123	5.3573	-0.3828	0.1595	0.0221	-0.2012
818	9.5	9.65	3.1649	2.2049	-0.012	5.3578	-0.4023	0.162	0.0208	-0.2196
819	9.68	9.64	3.1666	2.2033	-0.0118	5.3582	-0.4001	0.1537	0.0193	-0.2272
820	9.11	9.65	3.1678	2.2028	-0.0116	5.359	-0.3881	0.1439	0.0163	-0.228
821	9.43	9.64	3.1682	2.2023	-0.0117	5.3589	-0.3702	0.1275	0.0133	-0.2295
822	9.93	9.65	3.1696	2.2022	-0.0116	5.3602	-0.3661	0.1192	0.0113	-0.2357
823	9.35	9.65	3.1702	2.2023	-0.0112	5.3612	-0.3588	0.1112	0.011	-0.2366
824	9.23	9.69	3.1709	2.2024	-0.011	5.3623	-0.364	0.099	0.009	-0.2561
825	9.98	9.71	3.1704	2.2036	-0.011	5.363	-0.3777	0.0945	0.0088	-0.2744
826	10.3	9.72	3.1693	2.2046	-0.011	5.3629	-0.3702	0.0857	0.0082	-0.2764
827	9.68	9.74	3.1675	2.2058	-0.0111	5.3621	-0.3306	0.0779	0.0108	-0.242
828	9.94	9.78	3.1652	2.2061	-0.0114	5.3599	-0.2984	0.0793	0.0123	-0.2067
829	9.98	9.82	3.1627	2.2064	-0.0119	5.3572	-0.2586	0.0741	0.0132	-0.1714
830	9.75	9.87	3.1638	2.2056	-0.0124	5.357	-0.2217	0.0742	0.0158	-0.1317
831	10	9.88	3.165	2.2052	-0.0124	5.3579	-0.2073	0.0651	0.0147	-0.1275
832	9.5	9.93	3.1657	2.2053	-0.0123	5.3587	-0.1834	0.0636	0.0146	-0.1051
833	9.52	9.99	3.1667	2.205	-0.0124	5.3593	-0.1542	0.0602	0.015	-0.079
834	9.69	10	3.1677	2.2052	-0.0123	5.3607	-0.1541	0.063	0.0138	-0.0774
835	10.1	10.1	3.1691	2.2056	-0.0123	5.3624	-0.1575	0.0672	0.0118	-0.0785
836	10.3	10.1	3.1707	2.2052	-0.0122	5.3637	-0.1464	0.072	0.0093	-0.065
837	10.4	10.1	3.1713	2.2052	-0.0121	5.3644	-0.1197	0.0666	0.0062	-0.0469
838	10.4	10.1	3.1716	2.2054	-0.0123	5.3646	-0.0982	0.059	0.0064	-0.0328
839	10	10.1	3.1716	2.2052	-0.0126	5.3642	-0.0724	0.0615	0.0055	-0.0054
840	9.77	10.1	3.1723	2.2046	-0.0128	5.3641	-0.0642	0.0592	0.0081	0.0031
841	10.7	10.1	3.1732	2.204	-0.013	5.3642	-0.05	0.0651	0.0105	0.0256
842	10.5	10.1	3.1726	2.2034	-0.0135	5.3625	-0.02	0.0619	0.0112	0.0531

843	10.2	10.1	3.1728	2.2023	-0.0134	5.3616	-0.0069	0.0648	0.0108	0.0687
844	10.5	10.2	3.1728	2.202	-0.0131	5.3617	0.0007	0.067	0.0094	0.0771
845	10.1	10.2	3.1723	2.2021	-0.0128	5.3616	0.0061	0.0671	0.01	0.0832
846	9.9	10.1	3.1705	2.2029	-0.0127	5.3607	0.0077	0.0778	0.01	0.0956
847	10	10	3.168	2.2037	-0.0129	5.3588	0.0165	0.0854	0.0098	0.1117
848	10.2	10	3.1675	2.2043	-0.0131	5.3587	0.0299	0.1003	0.0067	0.1368
849	10.2	9.97	3.168	2.2045	-0.0133	5.3591	0.0382	0.1003	0.0028	0.1413
850	10.3	9.98	3.1689	2.2044	-0.0135	5.3598	0.0391	0.0947	0.0019	0.1358
851	9.92	9.93	3.1696	2.2042	-0.0137	5.3602	0.0422	0.0939	0.0019	0.1381
852	9.6	9.9	3.1701	2.2028	-0.0138	5.3591	0.0662	0.0893	0.0013	0.1568
853	9.89	9.88	3.1698	2.2029	-0.0137	5.359	0.0739	0.0896	0.0001	0.1637
854	10.1	9.85	3.1695	2.2019	-0.0139	5.3575	0.0776	0.0874	0.0038	0.1688
855	9.45	9.86	3.1686	2.2014	-0.0138	5.3561	0.0882	0.0845	0.0033	0.176
856	9.17	9.88	3.1674	2.2005	-0.0141	5.3537	0.0995	0.0894	0.0034	0.1923
857	9.51	9.88	3.1663	2.1999	-0.0143	5.3519	0.1057	0.0857	0.0038	0.1952
858	9.46	9.87	3.1668	2.1984	-0.0142	5.351	0.1244	0.0856	-0.0002	0.2098
859	9.97	9.87	3.1677	2.197	-0.014	5.3507	0.1389	0.0805	-0.002	0.2174
860	9.65	9.86	3.1684	2.1956	-0.0134	5.3506	0.134	0.0765	-0.0015	0.2091
861	9.99	9.84	3.1688	2.1949	-0.0126	5.3511	0.1363	0.0654	-0.0005	0.2013
862	9.84	9.83	3.171	2.1952	-0.0122	5.354	0.1566	0.0568	0	0.2134
863	9.96	9.8	3.1741	2.1966	-0.0121	5.3586	0.1717	0.0563	0.0004	0.2284
864	10.2	9.76	3.1759	2.1984	-0.0123	5.362	0.1917	0.0512	0.0015	0.2444
865	10.3	9.76	3.1772	2.1989	-0.0122	5.3639	0.198	0.0549	0.004	0.2568
866	10	9.77	3.1784	2.1988	-0.0123	5.3649	0.2061	0.0519	0.0052	0.2632
867	10.1	9.76	3.1789	2.1981	-0.0121	5.3649	0.1866	0.0601	0.0053	0.2519
868	10.1	9.8	3.1773	2.1983	-0.0119	5.3638	0.1746	0.0683	0.0056	0.2484
869	10	9.74	3.1761	2.1988	-0.0116	5.3632	0.1645	0.0684	0.0076	0.2405
870	9.59	9.74	3.1745	2.1996	-0.0115	5.3627	0.175	0.0555	0.0097	0.2403
871	9.35	9.72	3.1742	2.2003	-0.0115	5.3631	0.192	0.0514	0.0112	0.2546
872	9.34	9.71	3.1747	2.2004	-0.0115	5.3636	0.1916	0.0489	0.0093	0.2498
873	9.41	9.71	3.1755	2.2006	-0.0113	5.3648	0.209	0.0556	0.0112	0.2759
874	9.38	9.72	3.176	2.2009	-0.0113	5.3656	0.2284	0.0594	0.0157	0.3035
875	9.41	9.7	3.1761	2.2013	-0.0112	5.3662	0.2398	0.061	0.0175	0.3183
876	9.28	9.68	3.1741	2.202	-0.0115	5.3646	0.2569	0.0674	0.018	0.3422
877	10.2	9.67	3.1717	2.2019	-0.0117	5.3619	0.2549	0.073	0.019	0.347
878	8.93	9.64	3.1695	2.2022	-0.0118	5.3598	0.2404	0.0896	0.0197	0.3497
879	9.49	9.62	3.168	2.2017	-0.012	5.3578	0.2167	0.0931	0.0178	0.3276

880	9.64	9.65	3.1668	2.2016	-0.0121	5.3564	0.1856	0.1007	0.013	0.2994
881	9.75	9.72	3.1644	2.2018	-0.0122	5.3541	0.1775	0.0957	0.0074	0.2806
882	9.83	9.74	3.162	2.2019	-0.0121	5.3518	0.1879	0.0902	0.0089	0.287
883	10.4	9.8	3.1616	2.2018	-0.012	5.3515	0.1923	0.0901	0.0113	0.2937
884	9.94	9.86	3.1611	2.2018	-0.0119	5.351	0.1923	0.0914	0.0124	0.296
885	9.58	9.93	3.1592	2.2017	-0.0118	5.3491	0.2018	0.0971	0.0131	0.312
886	9.99	10	3.1568	2.2021	-0.0118	5.3471	0.2149	0.0981	0.0128	0.3259
887	9.52	10	3.1559	2.2026	-0.0119	5.3467	0.2196	0.0978	0.0121	0.3295
888	9.65	10.1	3.1544	2.2026	-0.0118	5.3452	0.2194	0.1018	0.012	0.3332
889	10.2	10.2	3.1542	2.2024	-0.0121	5.3446	0.2188	0.1037	0.01	0.3324
890	10.6	10.2	3.1531	2.2017	-0.0122	5.3427	0.1956	0.1025	0.0087	0.3068
891	9.9	10.3	3.1504	2.2019	-0.0122	5.3401	0.192	0.0976	0.0069	0.2966
892	10.5	10.4	3.1487	2.202	-0.0123	5.3384	0.1923	0.0972	0.0033	0.2928
893	10.5	10.4	3.1478	2.2017	-0.0122	5.3373	0.1815	0.0878	-0.0013	0.268
894	10.8	10.5	3.1475	2.2017	-0.0123	5.3368	0.1707	0.08	-0.0011	0.2495
895	10.7	10.6	3.1475	2.2014	-0.0123	5.3366	0.1576	0.0782	0.0034	0.2392
896	10.5	10.7	3.1476	2.2006	-0.0123	5.336	0.1429	0.0803	0.0059	0.2291
897	10.7	10.7	3.1475	2.1998	-0.0122	5.3351	0.125	0.0877	0.005	0.2177
898	10.8	10.8	3.1476	2.1998	-0.012	5.3353	0.0967	0.0924	-0.0002	0.1888
899	10.3	10.8	3.1481	2.1997	-0.0121	5.3357	0.0773	0.0976	-0.0038	0.171
900	11.1	10.8	3.1483	2.1994	-0.0122	5.3355	0.0645	0.1021	-0.0062	0.1603
901	11.1	10.8	3.1471	2.1996	-0.0122	5.3345	0.0651	0.102	-0.0067	0.1604
902	11.3	10.8	3.1468	2.1993	-0.0121	5.334	0.0787	0.0965	-0.0068	0.1684
903	11.5	10.8	3.1471	2.1991	-0.0122	5.334	0.0873	0.0786	-0.0068	0.159
904	11.5	10.8	3.1471	2.1992	-0.012	5.3344	0.1037	0.0718	-0.0049	0.1705
905	11.3	10.8	3.1476	2.199	-0.0121	5.3344	0.1154	0.0601	-0.006	0.1695
906	10.9	10.8	3.1475	2.1988	-0.0123	5.334	0.1231	0.0523	-0.0054	0.1701
907	10.5	10.8	3.147	2.1989	-0.0123	5.3336	0.125	0.0422	-0.0081	0.1591
908	10.3	10.8	3.1473	2.1989	-0.0122	5.334	0.1336	0.03	-0.009	0.1546
909	10.4	10.8	3.1483	2.1987	-0.0122	5.3348	0.1502	0.0133	-0.0077	0.1558
910	10	10.8	3.1484	2.1992	-0.0121	5.3355	0.1692	-0.0012	-0.0046	0.1634
911	10.5	10.8	3.1472	2.1997	-0.0121	5.3348	0.1751	-0.0113	0.0007	0.1644
912	11.2	10.8	3.1467	2.1996	-0.0122	5.3341	0.1834	-0.0156	0.0071	0.1749
913	10.6	10.7	3.1458	2.1997	-0.0124	5.3331	0.2202	-0.0158	0.0129	0.2172
914	10.2	10.7	3.1459	2.1995	-0.0126	5.3328	0.2623	-0.0022	0.0131	0.2732
915	10.7	10.6	3.1456	2.1993	-0.0128	5.3321	0.2767	0.0172	0.0132	0.307
916	10.7	10.6	3.1459	2.1987	-0.0128	5.3318	0.2816	0.0231	0.0151	0.3198

917	10.8	10.6	3.147	2.1983	-0.0129	5.3324	0.2902	0.0251	0.0164	0.3316
918	10.8	10.6	3.1484	2.1981	-0.0128	5.3338	0.2912	0.0227	0.0202	0.334
919	10.9	10.5	3.1491	2.1978	-0.0128	5.3342	0.2718	0.0292	0.0217	0.3227
920	11.1	10.6	3.1486	2.1977	-0.0127	5.3335	0.2654	0.0406	0.025	0.331
921	10.9	10.6	3.1491	2.1974	-0.0126	5.3339	0.2485	0.0502	0.0283	0.327
922	10.1	10.5	3.1487	2.1966	-0.0127	5.3326	0.24	0.0607	0.029	0.3296
923	10.4	10.5	3.1473	2.1963	-0.0128	5.3309	0.2472	0.0693	0.0286	0.3451
924	9.88	10.5	3.1469	2.1963	-0.0128	5.3304	0.2553	0.0761	0.0317	0.3632
925	10.6	10.5	3.1447	2.1969	-0.0128	5.3288	0.2578	0.0803	0.0338	0.3719
926	10.8	10.4	3.1438	2.1973	-0.0129	5.3282	0.2632	0.0818	0.0374	0.3824
927	9.97	10.4	3.1434	2.1968	-0.0131	5.3271	0.2306	0.0875	0.0371	0.3552
928	10.1	10.4	3.1435	2.1968	-0.0132	5.3271	0.2027	0.0952	0.0399	0.3378
929	10.3	10.3	3.1442	2.1963	-0.0132	5.3272	0.1793	0.1097	0.0345	0.3235
930	10.4	10.3	3.146	2.196	-0.0131	5.3289	0.1676	0.1141	0.0298	0.3114
931	10.2	10.2	3.1463	2.1962	-0.0133	5.3292	0.1443	0.1124	0.0293	0.286
932	10.1	10.2	3.1465	2.1963	-0.0134	5.3293	0.1031	0.1222	0.0304	0.2556
933	10.5	10.2	3.1474	2.1959	-0.0136	5.3297	0.0583	0.131	0.0301	0.2195
934	10.2	10.2	3.1476	2.1955	-0.0136	5.3295	0.0326	0.136	0.0286	0.1972
935	9.76	10.1	3.1476	2.1958	-0.0136	5.3298	0.0173	0.1376	0.028	0.1829
936	10.5	10.1	3.1487	2.1954	-0.0134	5.3308	-0.0076	0.1392	0.0306	0.1622
937	10.3	10.1	3.1494	2.195	-0.0133	5.3311	-0.0369	0.1454	0.032	0.1406
938	9.76	10	3.1497	2.195	-0.0133	5.3314	-0.0585	0.153	0.0303	0.1248
939	10.1	10	3.152	2.195	-0.0135	5.3335	-0.1015	0.1571	0.0293	0.0849
940	9.91	9.98	3.1531	2.1948	-0.0135	5.3344	-0.1211	0.1545	0.0241	0.0575
941	10.1	9.95	3.1539	2.1943	-0.0133	5.3349	-0.1394	0.1454	0.022	0.028
942	9.55	9.94	3.1545	2.1946	-0.0134	5.3357	-0.1776	0.1532	0.0189	-0.0055
943	9.81	9.93	3.1557	2.1943	-0.0133	5.3367	-0.1803	0.1485	0.0211	-0.0108
944	9.75	9.93	3.1571	2.1942	-0.0134	5.3378	-0.1786	0.1415	0.0194	-0.0177
945	9.63	9.95	3.158	2.1941	-0.0134	5.3387	-0.1711	0.1312	0.0189	-0.021
946	9.92	9.92	3.158	2.1941	-0.0132	5.3389	-0.159	0.1271	0.0214	-0.0105
947	9.86	9.9	3.1583	2.1945	-0.0129	5.3399	-0.1452	0.1184	0.022	-0.0047
948	9.84	9.92	3.1598	2.1945	-0.0127	5.3416	-0.1385	0.1106	0.024	-0.0039
949	9.78	9.94	3.1616	2.1943	-0.0127	5.3431	-0.1283	0.115	0.0233	0.0099
950	9.58	9.97	3.1624	2.1942	-0.0129	5.3438	-0.1185	0.1143	0.0204	0.0162
951	10	10	3.1617	2.1946	-0.013	5.3433	-0.1138	0.1102	0.0183	0.0146
952	10.3	10.1	3.1613	2.1949	-0.0131	5.3432	-0.1198	0.1066	0.0189	0.0057
953	10.1	10.1	3.1594	2.1957	-0.0132	5.3419	-0.1035	0.0969	0.0199	0.0133

954	10.2	10.2	3.1579	2.1959	-0.0133	5.3405	-0.0943	0.0976	0.0214	0.0247
955	9.92	10.2	3.1563	2.1961	-0.0133	5.3391	-0.0965	0.0996	0.0227	0.0258
956	9.89	10.3	3.1549	2.1962	-0.0133	5.3378	-0.0987	0.0973	0.0216	0.0203
957	10.2	10.3	3.153	2.1969	-0.0134	5.3365	-0.0958	0.0941	0.0203	0.0187
958	10.4	10.4	3.1518	2.1971	-0.0135	5.3354	-0.1037	0.0942	0.0211	0.0115
959	10.5	10.4	3.1508	2.1971	-0.0135	5.3344	-0.1171	0.1021	0.0212	0.0062
960	10.9	10.5	3.1509	2.1967	-0.0134	5.3342	-0.1066	0.1006	0.02	0.014
961	10.9	10.5	3.1504	2.1965	-0.0133	5.3336	-0.0995	0.107	0.0214	0.0289
962	11	10.5	3.149	2.1967	-0.0135	5.3322	-0.0923	0.1091	0.0214	0.0382
963	10.5	10.5	3.1479	2.1968	-0.0134	5.3313	-0.0829	0.1018	0.02	0.0389
964	10.5	10.5	3.1482	2.1967	-0.0136	5.3313	-0.0792	0.0925	0.0187	0.032
965	10.4	10.5	3.149	2.1966	-0.0137	5.3319	-0.0522	0.0788	0.0167	0.0433
966	11.3	10.5	3.1494	2.1962	-0.0139	5.3317	-0.0437	0.0722	0.0159	0.0444
967	10.8	10.5	3.1497	2.1959	-0.0141	5.3315	-0.0359	0.0663	0.0177	0.048
968	10.5	10.5	3.1502	2.1954	-0.0141	5.3315	0.007	0.0583	0.0185	0.0837
969	10.2	10.4	3.1496	2.1947	-0.0141	5.3301	0.0311	0.0514	0.0217	0.1042
970	10	10.4	3.1496	2.1946	-0.0143	5.33	0.0389	0.0504	0.0239	0.1131
971	10.5	10.4	3.1502	2.1942	-0.0143	5.3301	0.0326	0.053	0.0253	0.1109
972	10.3	10.3	3.15	2.1934	-0.0144	5.329	0.0334	0.059	0.0257	0.118
973	10.1	10.3	3.15	2.193	-0.0145	5.3285	0.0335	0.0537	0.0248	0.112
974	9.94	10.3	3.1503	2.1928	-0.0147	5.3284	0.0235	0.0535	0.0232	0.1001
975	10	10.3	3.1498	2.1931	-0.015	5.328	0.0194	0.0558	0.023	0.0982
976	9.81	10.2	3.151	2.1932	-0.0152	5.329	-0.0026	0.0621	0.0223	0.0818
977	10.4	10.2	3.1514	2.1924	-0.0157	5.3281	-0.0096	0.0654	0.021	0.0767
978	10.2	10.2	3.1515	2.1912	-0.0153	5.3275	-0.0146	0.0634	0.0181	0.0669
979	10.6	10.2	3.1513	2.1903	-0.015	5.3266	-0.0304	0.0715	0.0168	0.0578
980	9.74	10.2	3.1524	2.1903	-0.015	5.3278	-0.028	0.064	0.0145	0.0505
981	10.1	10.2	3.1541	2.1896	-0.0152	5.3286	0.0017	0.0621	0.0166	0.0804
982	10	10.2	3.1562	2.1888	-0.0151	5.3298	0.0005	0.0605	0.0143	0.0754
983	10.3	10.2	3.1583	2.1883	-0.0149	5.3317	0.0226	0.0588	0.014	0.0954
984	10.2	10.2	3.1594	2.188	-0.0147	5.3327	0.0483	0.052	0.0145	0.1148
985	10.7	10.1	3.16	2.1878	-0.0149	5.3329	0.0529	0.0502	0.0164	0.1195
986	10.7	10.1	3.1604	2.1876	-0.015	5.333	0.053	0.0588	0.018	0.1298
987	10.8	10.1	3.1618	2.1873	-0.0149	5.3342	0.0625	0.0572	0.0198	0.1396
988	9.91	10	3.1646	2.1869	-0.0147	5.3367	0.0657	0.0572	0.0187	0.1416
989	10.1	9.96	3.1664	2.187	-0.0145	5.3388	0.0647	0.0627	0.0187	0.1461
990	10.3	9.94	3.1671	2.1872	-0.0144	5.3399	0.0963	0.0648	0.0162	0.1773

991	9.93	9.87	3.1681	2.1866	-0.0141	5.3406	0.1169	0.0632	0.0171	0.1973
992	9.66	9.81	3.1667	2.1871	-0.0144	5.3394	0.1264	0.056	0.0227	0.2051
993	9.67	9.75	3.1657	2.1876	-0.0142	5.3391	0.137	0.0579	0.0243	0.2192
994	9.51	9.68	3.1646	2.1885	-0.0142	5.3389	0.1629	0.0561	0.0265	0.2456
995	9.45	9.6	3.1634	2.1887	-0.0144	5.3377	0.1678	0.0597	0.0243	0.2517
996	9.5	9.57	3.1621	2.1888	-0.0145	5.3364	0.1587	0.0653	0.0215	0.2455
997	9.35	9.51	3.1613	2.1887	-0.0146	5.3355	0.1533	0.0718	0.0262	0.2513
998	9.27	9.51	3.1604	2.1883	-0.0143	5.3343	0.1627	0.0721	0.0317	0.2665
999	9.4	9.5	3.16	2.1883	-0.0141	5.3341	0.1922	0.0672	0.0337	0.2931
1000	8.79	9.5	3.1597	2.1884	-0.014	5.3341	0.2122	0.0679	0.0346	0.3146
1001	8.89	9.51	3.1591	2.1889	-0.0141	5.3339	0.2154	0.0753	0.0332	0.3239
1002	9.06	9.53	3.1572	2.1896	-0.0141	5.3327	0.1964	0.0864	0.0335	0.3163
1003	8.86	9.57	3.1565	2.1893	-0.0143	5.3315	0.1861	0.0961	0.0337	0.3159
1004	9.24	9.66	3.1568	2.1893	-0.0143	5.3318	0.1485	0.1085	0.0329	0.2899
1005	10	9.71	3.1574	2.1892	-0.0143	5.3324	0.0808	0.1146	0.0329	0.2282
1006	9.79	9.75	3.157	2.1894	-0.0143	5.3321	0.0421	0.1223	0.035	0.1994
1007	9.85	9.79	3.1574	2.1895	-0.0144	5.3324	0.0084	0.1207	0.0354	0.1645
1008	9.86	9.83	3.159	2.1887	-0.0143	5.3334	-0.0427	0.1377	0.0332	0.1281
1009	10.3	9.89	3.1589	2.1886	-0.0142	5.3334	-0.0747	0.1413	0.033	0.0996
1010	10.2	9.95	3.1584	2.1885	-0.0143	5.3326	-0.1026	0.1483	0.0303	0.076
1011	10.1	10	3.1565	2.1888	-0.0142	5.331	-0.1181	0.1518	0.0293	0.063
1012	10.5	10.1	3.155	2.1894	-0.0142	5.3302	-0.1275	0.1524	0.0288	0.0537
1013	11	10.1	3.1537	2.1904	-0.0143	5.3299	-0.1452	0.1587	0.028	0.0416
1014	10.5	10.2	3.1512	2.1916	-0.0143	5.3285	-0.1482	0.1578	0.0306	0.0402
1015	10.2	10.2	3.15	2.1921	-0.0144	5.3277	-0.1394	0.1572	0.0276	0.0454
1016	10.1	10.2	3.1495	2.1921	-0.0146	5.327	-0.1292	0.1584	0.0267	0.0559
1017	10	10.3	3.1463	2.1924	-0.0147	5.3241	-0.1222	0.1503	0.0239	0.052
1018	10.5	10.3	3.1453	2.193	-0.0149	5.3233	-0.1243	0.1427	0.021	0.0395
1019	10	10.3	3.1453	2.1928	-0.0151	5.3229	-0.1117	0.1262	0.0199	0.0344
1020	10.1	10.3	3.1453	2.1924	-0.0153	5.3224	-0.0958	0.1168	0.0174	0.0384
1021	10	10.3	3.1457	2.1915	-0.0152	5.3221	-0.0722	0.1139	0.0141	0.0559
1022	9.73	10.3	3.1454	2.1912	-0.0152	5.3214	-0.0505	0.1066	0.014	0.0701
1023	10.1	10.3	3.145	2.191	-0.0151	5.3209	-0.0475	0.0879	0.0157	0.0561
1024	10.2	10.3	3.145	2.1907	-0.0151	5.3206	-0.0357	0.0756	0.0161	0.056
1025	10.8	10.3	3.145	2.1907	-0.015	5.3206	-0.0237	0.0693	0.0159	0.0616
1026	11	10.3	3.1448	2.1907	-0.015	5.3205	-0.0045	0.0666	0.0129	0.075
1027	10.4	10.3	3.1449	2.1905	-0.0149	5.3204	0.0353	0.0564	0.0101	0.1017

1028	10.1	10.3	3.1466	2.1897	-0.0149	5.3213	0.0424	0.046	0.005	0.0935
1029	10.1	10.3	3.147	2.1899	-0.0147	5.3222	0.0471	0.0349	0.0109	0.0929
1030	10.8	10.3	3.1459	2.1898	-0.0148	5.3209	0.0509	0.0255	0.0133	0.0898
1031	10.4	10.3	3.1462	2.1901	-0.0147	5.3216	0.0565	0.0272	0.0141	0.0979
1032	10.9	10.3	3.1442	2.1904	-0.0148	5.3197	0.0803	0.0162	0.014	0.1105
1033	10.7	10.3	3.1426	2.1907	-0.0151	5.3182	0.0996	0.0081	0.015	0.1227
1034	10.2	10.3	3.1423	2.1905	-0.0153	5.3175	0.1321	0.0037	0.0185	0.1543
1035	10	10.2	3.1423	2.1899	-0.0154	5.3168	0.1503	0.0024	0.02	0.1727
1036	10.5	10.2	3.1425	2.1897	-0.0153	5.3168	0.1567	-0.0006	0.0185	0.1745
1037	10.3	10.2	3.1428	2.1893	-0.0152	5.3169	0.1654	-0.0066	0.0189	0.1776
1038	9.94	10.1	3.1432	2.1887	-0.0152	5.3168	0.1986	-0.0131	0.0208	0.2062
1039	9.86	10.2	3.1424	2.1885	-0.0151	5.3158	0.2453	-0.0191	0.0226	0.2488
1040	9.78	10.1	3.1414	2.1885	-0.0152	5.3147	0.2706	-0.0182	0.0241	0.2765
1041	9.92	10.1	3.1413	2.1887	-0.0156	5.3144	0.2814	-0.0176	0.025	0.2888
1042	10.2	10.1	3.1408	2.1888	-0.0158	5.3138	0.2872	-0.0271	0.027	0.2871
1043	9.61	10.1	3.1395	2.1887	-0.016	5.3121	0.2682	-0.0227	0.0224	0.2679
1044	9.69	10.1	3.1403	2.1882	-0.0158	5.3126	0.253	-0.0185	0.0242	0.2587
1045	9.73	10.1	3.1421	2.1875	-0.0156	5.3141	0.2347	-0.0034	0.0262	0.2574
1046	10.3	10.1	3.1427	2.1869	-0.0158	5.3138	0.2033	0.001	0.0248	0.2291
1047	10	10	3.142	2.1872	-0.016	5.3132	0.1795	-0.0006	0.0245	0.2034
1048	10.3	10.1	3.1406	2.1878	-0.0161	5.3123	0.1577	0.0041	0.0228	0.1846
1049	10.3	10.1	3.1403	2.1875	-0.0162	5.3117	0.1433	0.0038	0.0255	0.1726
1050	10.5	10.1	3.1409	2.1867	-0.0162	5.3114	0.139	0.0079	0.0277	0.1746
1051	10.2	10.1	3.1421	2.1859	-0.0163	5.3117	0.1458	0.0109	0.0277	0.1843
1052	10.3	10.1	3.1427	2.1853	-0.0165	5.3116	0.146	0.017	0.0255	0.1884
1053	9.87	10.1	3.1446	2.1849	-0.0165	5.313	0.1244	0.0227	0.0257	0.1729
1054	10.1	10.1	3.1499	2.1844	-0.0166	5.3177	0.1103	0.0208	0.0248	0.156
1055	10.1	10.1	3.1521	2.1839	-0.0168	5.3192	0.1092	0.02	0.025	0.1542
1056	9.63	10.1	3.154	2.1842	-0.0169	5.3213	0.1077	0.0192	0.025	0.1519
1057	10.9	10.1	3.1573	2.1831	-0.0167	5.3236	0.107	0.0224	0.0257	0.1552
1058	10.7	10.1	3.1593	2.183	-0.0167	5.3255	0.1195	0.025	0.0253	0.1698
1059	9.93	10	3.161	2.1823	-0.0165	5.3268	0.1344	0.0211	0.0278	0.1832
1060	9.67	9.98	3.1627	2.1815	-0.0164	5.3279	0.1248	0.0278	0.0287	0.1813
1061	10.1	9.96	3.1632	2.1813	-0.0162	5.3282	0.1181	0.0287	0.027	0.1738
1062	9.96	9.89	3.1635	2.1809	-0.0163	5.3281	0.0972	0.0335	0.0266	0.1573
1063	9.39	9.87	3.1627	2.181	-0.0165	5.3273	0.0644	0.0469	0.027	0.1383
1064	9.56	9.85	3.1621	2.181	-0.0164	5.3268	0.0433	0.0611	0.0269	0.1313

1065	10.3	9.82	3.1619	2.1807	-0.0164	5.3263	0.0146	0.0716	0.0277	0.114
1066	9.76	9.8	3.1616	2.1812	-0.0163	5.3265	-0.005	0.0774	0.0296	0.102
1067	9.92	9.75	3.1622	2.1816	-0.0162	5.3276	-0.009	0.0808	0.0318	0.1036
1068	9.75	9.7	3.1613	2.1828	-0.0161	5.328	-0.0286	0.0823	0.0309	0.0846
1069	9.54	9.7	3.1592	2.183	-0.0159	5.3263	-0.0327	0.0886	0.0267	0.0826
1070	9.64	9.71	3.1569	2.1832	-0.0157	5.3244	-0.0191	0.0862	0.0247	0.0919
1071	9.12	9.7	3.1552	2.1836	-0.0158	5.3231	-0.0037	0.0865	0.0243	0.1071
1072	9.39	9.7	3.1547	2.1847	-0.0159	5.3234	0.0055	0.0813	0.0253	0.1121
1073	9.71	9.72	3.1536	2.1854	-0.0161	5.3229	-0.0031	0.078	0.0261	0.1009
1074	9.59	9.78	3.1526	2.1859	-0.0162	5.3223	-0.0079	0.0742	0.0279	0.0942
1075	9.3	9.81	3.1502	2.1865	-0.0162	5.3205	-0.0031	0.0734	0.0311	0.1014
1076	9.78	9.84	3.1475	2.1876	-0.0162	5.3189	-0.003	0.074	0.032	0.1031
1077	9.91	9.85	3.1472	2.1878	-0.0162	5.3187	-0.0091	0.0788	0.0313	0.101
1078	9.89	9.92	3.1468	2.1877	-0.0164	5.3182	-0.0069	0.0809	0.0318	0.1059
1079	9.8	9.99	3.1462	2.1878	-0.0163	5.3177	0.0133	0.0727	0.0338	0.1198
1080	9.95	10.1	3.1468	2.1876	-0.0164	5.318	0.0238	0.075	0.037	0.1357
1081	9.94	10.1	3.1461	2.188	-0.0166	5.3175	0.0216	0.0765	0.035	0.1331
1082	9.85	10.2	3.1462	2.188	-0.0166	5.3176	0.025	0.082	0.0348	0.1418
1083	10.7	10.2	3.1451	2.1879	-0.0167	5.3163	0.0064	0.0839	0.0338	0.1241
1084	10.9	10.3	3.1444	2.1878	-0.0167	5.3155	-0.0066	0.0913	0.0327	0.1174
1085	10.2	10.4	3.1443	2.1879	-0.0167	5.3154	-0.0108	0.0912	0.0312	0.1116
1086	10.3	10.4	3.1439	2.1882	-0.0169	5.3152	-0.0096	0.0836	0.0305	0.1045
1087	11	10.4	3.1419	2.1887	-0.017	5.3136	-0.0104	0.0806	0.0321	0.1023
1088	10.9	10.5	3.1401	2.1888	-0.017	5.3119	-0.011	0.0809	0.0349	0.1048
1089	10.9	10.5	3.1393	2.1888	-0.0169	5.3112	-0.0085	0.0802	0.0367	0.1084
1090	10.5	10.6	3.1389	2.189	-0.0169	5.311	-0.0305	0.0832	0.0378	0.0905
1091	10.3	10.6	3.1394	2.1893	-0.0168	5.3119	-0.0667	0.0884	0.0362	0.058
1092	11	10.7	3.1399	2.1894	-0.0166	5.3126	-0.0966	0.0947	0.0303	0.0283
1093	10.7	10.6	3.1404	2.1894	-0.0166	5.3132	-0.1324	0.1069	0.0249	-0.0006
1094	10.7	10.6	3.1411	2.1889	-0.0168	5.3132	-0.1444	0.1019	0.0208	-0.0217
1095	10.7	10.6	3.1431	2.1886	-0.0169	5.3148	-0.1445	0.1001	0.0197	-0.0247
1096	10.2	10.7	3.1442	2.1889	-0.017	5.3161	-0.1222	0.0924	0.0227	-0.0071
1097	10.6	10.6	3.1456	2.1883	-0.0168	5.3171	-0.116	0.0817	0.0207	-0.0137
1098	10.6	10.6	3.1461	2.1879	-0.0169	5.317	-0.124	0.0846	0.0184	-0.021
1099	10.6	10.6	3.1461	2.1875	-0.0169	5.3167	-0.1463	0.0915	0.019	-0.0358
1100	11	10.6	3.1451	2.1873	-0.0168	5.3156	-0.1562	0.0908	0.0196	-0.0459
1101	10.8	10.6	3.1445	2.1872	-0.0166	5.3151	-0.1336	0.0821	0.0219	-0.0296

1102	10.5	10.6	3.1447	2.1873	-0.0167	5.3154	-0.0963	0.0723	0.0237	-0.0003
1103	10.3	10.6	3.1455	2.1872	-0.0168	5.3159	-0.091	0.0684	0.0248	0.0022
1104	10.7	10.6	3.1459	2.1873	-0.0168	5.3164	-0.1107	0.0716	0.0259	-0.0133
1105	10.9	10.7	3.1467	2.1873	-0.0168	5.3172	-0.0832	0.0786	0.0241	0.0196
1106	10.4	10.7	3.1463	2.1872	-0.0169	5.3166	-0.0751	0.0729	0.0209	0.0188
1107	10.4	10.7	3.1454	2.187	-0.0169	5.3154	-0.0395	0.0685	0.0185	0.0474
1108	10.7	10.7	3.1456	2.1866	-0.0171	5.3151	0.0332	0.0482	0.0222	0.1036
1109	11.1	10.8	3.1464	2.1859	-0.0171	5.3152	0.0786	0.0424	0.0233	0.1442
1110	10.4	10.8	3.1466	2.1856	-0.017	5.3152	0.1195	0.0291	0.024	0.1726
1111	10.7	10.8	3.1467	2.1854	-0.0169	5.3152	0.1499	0.0182	0.0244	0.1926
1112	10.6	10.8	3.1486	2.1847	-0.0169	5.3164	0.1649	0.021	0.0255	0.2114
1113	11	10.9	3.1494	2.1843	-0.017	5.3168	0.1741	0.0181	0.0249	0.2171
1114	10.9	10.9	3.1497	2.1844	-0.0171	5.3171	0.1704	0.0188	0.0234	0.2126
1115	10.7	10.9	3.1505	2.1843	-0.0174	5.3175	0.165	0.0161	0.0244	0.2055
1116	11.3	10.9	3.1504	2.184	-0.0178	5.3167	0.1581	0.0124	0.025	0.1955
1117	11.2	10.9	3.1492	2.1842	-0.0178	5.3156	0.1534	0.0106	0.0267	0.1907
1118	11.2	10.9	3.1486	2.1841	-0.0176	5.3151	0.1542	0.0084	0.028	0.1906
1119	11	10.9	3.1472	2.1841	-0.0176	5.3137	0.1473	0.0191	0.03	0.1964
1120	11.3	10.9	3.1457	2.1837	-0.0177	5.3117	0.123	0.0178	0.0323	0.173
1121	10.9	10.9	3.1452	2.1834	-0.0177	5.3109	0.1063	0.0111	0.0351	0.1525
1122	11	11	3.1457	2.1834	-0.0178	5.3114	0.0963	0.0146	0.0359	0.1467
1123	10.6	10.9	3.1458	2.1835	-0.0179	5.3114	0.0914	0.0289	0.0354	0.1557
1124	11	10.9	3.1453	2.1834	-0.0182	5.3105	0.07	0.0357	0.0325	0.1382
1125	10.6	10.9	3.1453	2.1833	-0.0182	5.3103	0.0469	0.0412	0.0291	0.1173
1126	10.1	10.9	3.1457	2.1829	-0.0181	5.3104	0.0128	0.0528	0.0295	0.0951
1127	11.1	10.9	3.1456	2.1824	-0.0181	5.3098	-0.0131	0.0652	0.0321	0.0842
1128	10.8	10.8	3.1452	2.1824	-0.0183	5.3093	-0.0189	0.0723	0.033	0.0863
1129	10.8	10.8	3.1446	2.1824	-0.0184	5.3086	-0.0301	0.0768	0.03	0.0768
1130	11	10.7	3.1437	2.1822	-0.0183	5.3076	-0.0399	0.0757	0.0291	0.0649
1131	11.6	10.7	3.1437	2.1819	-0.0182	5.3074	-0.056	0.0826	0.0281	0.0547
1132	10.4	10.7	3.1436	2.182	-0.0182	5.3073	-0.0733	0.0981	0.026	0.0508
1133	10.6	10.6	3.1433	2.1815	-0.0183	5.3065	-0.0869	0.1009	0.0239	0.0379
1134	11	10.6	3.1434	2.1814	-0.0184	5.3064	-0.109	0.1036	0.021	0.0156
1135	10.6	10.6	3.1433	2.1815	-0.0184	5.3064	-0.1215	0.0995	0.0209	-0.0012
1136	10.5	10.7	3.1435	2.1816	-0.0186	5.3066	-0.1232	0.0955	0.0197	-0.0081
1137	10.7	10.6	3.1439	2.1812	-0.0187	5.3064	-0.1264	0.0969	0.0181	-0.0114
1138	10.3	10.6	3.1441	2.1807	-0.0188	5.3059	-0.155	0.1086	0.017	-0.0294

1139	10.6	10.6	3.1455	2.1802	-0.0189	5.3068	-0.178	0.1113	0.0174	-0.0493
1140	10.3	10.5	3.1481	2.1797	-0.0188	5.3089	-0.1728	0.1094	0.0202	-0.0432
1141	10.2	10.5	3.151	2.1792	-0.0186	5.3116	-0.1645	0.1058	0.0226	-0.0362
1142	9.77	10.4	3.154	2.1781	-0.0183	5.3138	-0.1633	0.1084	0.0252	-0.0297
1143	10.8	10.4	3.1539	2.1785	-0.0181	5.3143	-0.1618	0.1105	0.0271	-0.0242
1144	11	10.3	3.1547	2.1782	-0.0178	5.3151	-0.157	0.1102	0.0278	-0.019
1145	10.6	10.3	3.1543	2.1783	-0.0178	5.3148	-0.1409	0.1003	0.0277	-0.0129
1146	10.7	10.3	3.1543	2.1788	-0.0179	5.3152	-0.1084	0.0881	0.0307	0.0104
1147	10.1	10.3	3.1544	2.1788	-0.0179	5.3153	-0.0983	0.0878	0.0305	0.02
1148	10.2	10.3	3.1552	2.1787	-0.018	5.3158	-0.0908	0.0883	0.0325	0.0299
1149	10.5	10.3	3.156	2.1784	-0.0181	5.3162	-0.082	0.083	0.03	0.031
1150	10.1	10.3	3.1543	2.1785	-0.0184	5.3143	-0.0817	0.0818	0.0305	0.0306
1151	9.59	10.2	3.1517	2.1787	-0.0187	5.3117	-0.0811	0.0845	0.0341	0.0376
1152	10.1	10.2	3.1518	2.1785	-0.019	5.3113	-0.0768	0.0795	0.0389	0.0415
1153	9.84	10.1	3.1557	2.1777	-0.0191	5.3143	-0.0709	0.0789	0.0403	0.0482
1154	10.3	10.1	3.1582	2.1766	-0.019	5.3157	-0.0711	0.0834	0.0408	0.0531
1155	10.3	10	3.1596	2.1766	-0.0189	5.3173	-0.0891	0.0965	0.0433	0.0507
1156	10.2	9.96	3.158	2.1773	-0.0187	5.3166	-0.0964	0.1163	0.0426	0.0625
1157	10.1	9.94	3.1539	2.1783	-0.0189	5.3133	-0.1062	0.1278	0.041	0.0626
1158	10.4	9.94	3.1514	2.1787	-0.0191	5.3111	-0.1263	0.1286	0.0407	0.043
1159	10.2	9.91	3.1491	2.1794	-0.0189	5.3095	-0.1547	0.1297	0.0381	0.0132
1160	9.74	9.91	3.1477	2.1797	-0.0188	5.3086	-0.1696	0.1346	0.0334	-0.0016
1161	9.46	9.94	3.1467	2.1792	-0.0188	5.3071	-0.177	0.1344	0.0333	-0.0093
1162	9.15	9.91	3.1461	2.1791	-0.0188	5.3064	-0.1849	0.1382	0.0324	-0.0143
1163	9.28	9.94	3.1457	2.1791	-0.0188	5.306	-0.1718	0.1291	0.0348	-0.008
1164	9.68	9.92	3.1456	2.1794	-0.0188	5.3062	-0.1524	0.1135	0.0327	-0.0062
1165	9.76	9.9	3.1461	2.1795	-0.0189	5.3068	-0.1397	0.1121	0.0299	0.0023
1166	9.89	9.9	3.1463	2.1802	-0.019	5.3075	-0.121	0.1085	0.0278	0.0154
1167	10.1	9.9	3.1467	2.1807	-0.019	5.3085	-0.1077	0.0986	0.0258	0.0166
1168	9.97	9.9	3.1466	2.1809	-0.0191	5.3084	-0.1044	0.092	0.0272	0.0147
1169	9.99	9.92	3.1469	2.1812	-0.0191	5.309	-0.1101	0.0939	0.0287	0.0125
1170	10.2	9.96	3.1462	2.1821	-0.0192	5.3091	-0.1267	0.0974	0.0286	-0.0007
1171	9.59	10	3.1456	2.1821	-0.0193	5.3084	-0.1345	0.0939	0.0288	-0.0118
1172	10.4	10.1	3.1456	2.1818	-0.0195	5.3079	-0.1162	0.0875	0.0304	0.0017
1173	9.96	10.1	3.1466	2.1818	-0.0193	5.3091	-0.1092	0.0978	0.0304	0.0191
1174	9.95	10.1	3.1479	2.1818	-0.0192	5.3105	-0.0942	0.0935	0.0271	0.0264
1175	10.1	10.2	3.149	2.1812	-0.0192	5.311	-0.0959	0.0973	0.0237	0.0251

1176	10.1	10.2	3.1488	2.181	-0.0194	5.3104	-0.0942	0.1101	0.0215	0.0374
1177	10.5	10.2	3.1491	2.1806	-0.0195	5.3101	-0.0923	0.1054	0.0215	0.0345
1178	10.6	10.2	3.1498	2.18	-0.0194	5.3105	-0.106	0.1051	0.0207	0.0198
1179	10.5	10.2	3.1502	2.1802	-0.0192	5.3112	-0.1241	0.1051	0.0174	-0.0016
1180	11.1	10.2	3.1524	2.1794	-0.0192	5.3125	-0.1456	0.1056	0.015	-0.025
1181	9.86	10.2	3.1534	2.1782	-0.0192	5.3124	-0.1552	0.1002	0.0161	-0.039
1182	9.96	10.1	3.1549	2.1779	-0.019	5.3138	-0.1545	0.0988	0.0176	-0.0381
1183	9.94	10.1	3.156	2.1775	-0.0188	5.3148	-0.1682	0.1035	0.0178	-0.0469
1184	10.1	10.1	3.1565	2.1779	-0.0188	5.3156	-0.1741	0.1004	0.0152	-0.0586
1185	9.94	10.1	3.1566	2.1783	-0.0187	5.3162	-0.1741	0.0956	0.0157	-0.0628
1186	10.1	10.1	3.1565	2.1785	-0.0187	5.3164	-0.164	0.0937	0.0155	-0.0548
1187	10.3	10.1	3.1574	2.1778	-0.0187	5.3165	-0.1529	0.0944	0.0135	-0.045
1188	10.3	10.1	3.1579	2.1777	-0.0187	5.3168	-0.1419	0.0894	0.0104	-0.0421
1189	9.68	10	3.1566	2.1779	-0.019	5.3155	-0.1334	0.0701	0.0096	-0.0537
1190	9.65	9.99	3.1554	2.1784	-0.0192	5.3146	-0.0987	0.0586	0.0094	-0.0307
1191	10	10	3.1557	2.1785	-0.0193	5.3149	-0.053	0.0527	0.0124	0.0122
1192	10.1	10	3.156	2.1784	-0.0193	5.3151	-0.0064	0.0498	0.0166	0.0599
1193	9.41	10.1	3.1561	2.1784	-0.0194	5.3151	0.0358	0.0348	0.0224	0.0929
1194	9.63	10.1	3.1552	2.1788	-0.0196	5.3145	0.0389	0.0393	0.0273	0.1055
1195	9.91	10.1	3.154	2.1798	-0.02	5.3137	0.0489	0.034	0.0322	0.1151
1196	10.6	10.1	3.154	2.1801	-0.02	5.3141	0.055	0.0353	0.0327	0.123
1197	10.4	10	3.1546	2.1795	-0.0201	5.3141	0.0607	0.0424	0.0316	0.1347
1198	10.1	10.1	3.1543	2.1796	-0.0199	5.3139	0.0718	0.0395	0.0312	0.1424
1199	9.93	10.1	3.1542	2.1793	-0.02	5.3136	0.0927	0.0312	0.0309	0.1548
1200	10.5	10.1	3.1532	2.1789	-0.0202	5.3119	0.1006	0.0319	0.0289	0.1614
1201	10.5	10.1	3.1522	2.1793	-0.0205	5.3109	0.0716	0.0298	0.0271	0.1285
1202	10.2	10.2	3.1518	2.1794	-0.0207	5.3105	0.0716	0.0132	0.0251	0.1098
1203	10.3	10.2	3.1526	2.1789	-0.0209	5.3106	0.0719	0.0141	0.0246	0.1106
1204	10.1	10.2	3.1548	2.1776	-0.0211	5.3113	0.0885	0.0236	0.0244	0.1365
1205	9.85	10.2	3.1563	2.1757	-0.0211	5.3109	0.1052	0.0213	0.027	0.1534
1206	9.91	10.2	3.157	2.1744	-0.021	5.3104	0.124	0.025	0.0301	0.1791
1207	10.4	10.1	3.158	2.1741	-0.021	5.3111	0.1088	0.0352	0.0323	0.1763
1208	9.77	10.1	3.1611	2.1736	-0.0209	5.3138	0.0707	0.0411	0.03	0.1418
1209	10.1	10.1	3.1634	2.1724	-0.0204	5.3154	0.0432	0.0481	0.0283	0.1196
1210	10.9	10	3.1643	2.1722	-0.0203	5.3161	0.0099	0.0652	0.0304	0.1054
1211	10.6	9.97	3.1652	2.1716	-0.0201	5.3167	-0.0144	0.0798	0.0312	0.0967
1212	10.1	9.96	3.1657	2.1718	-0.0204	5.3172	-0.0502	0.0792	0.0298	0.0587

1213	9.8	9.91	3.1646	2.173	-0.0202	5.3174	-0.0802	0.0786	0.0295	0.0279
1214	9.72	9.9	3.1637	2.1732	-0.0201	5.3168	-0.0823	0.0774	0.03	0.0251
1215	9.75	9.9	3.1626	2.1735	-0.0201	5.3159	-0.0698	0.0812	0.0311	0.0425
1216	9.76	9.88	3.1612	2.1742	-0.0204	5.315	-0.0261	0.0725	0.031	0.0773
1217	9.62	9.84	3.1596	2.175	-0.0205	5.3141	0.0032	0.0585	0.0277	0.0894
1218	9.76	9.85	3.1596	2.1747	-0.0205	5.3138	0.0068	0.0695	0.0263	0.1025
1219	9.34	9.85	3.1598	2.1744	-0.0205	5.3138	0.0046	0.0731	0.026	0.1038
1220	9.41	9.82	3.1592	2.1743	-0.0206	5.3129	0.0172	0.0701	0.026	0.1132
1221	9.97	9.8	3.1568	2.1746	-0.0208	5.3107	0.0254	0.0746	0.0254	0.1254
1222	9.37	9.81	3.1566	2.1737	-0.0208	5.3095	0.0304	0.0746	0.0246	0.1296
1223	9.96	9.82	3.1552	2.1742	-0.0206	5.3088	0.0366	0.0734	0.022	0.1319
1224	9.83	9.84	3.1549	2.1736	-0.0206	5.3079	0.0548	0.0722	0.0227	0.1497
1225	9.49	9.81	3.1547	2.1723	-0.0204	5.3066	0.0663	0.0755	0.0236	0.1654
1226	9.57	9.84	3.1549	2.1723	-0.0203	5.3069	0.0782	0.0745	0.023	0.1757
1227	10.1	9.85	3.1562	2.1719	-0.0202	5.3078	0.0887	0.0676	0.0228	0.1791
1228	10.1	9.89	3.1576	2.1719	-0.02	5.3095	0.0786	0.0689	0.023	0.1705
1229	10.2	9.9	3.1592	2.1718	-0.0199	5.3111	0.0879	0.0716	0.0235	0.1831
1230	10.4	9.93	3.1592	2.1722	-0.0199	5.3115	0.0882	0.0771	0.026	0.1913
1231	10.3	9.91	3.1591	2.1721	-0.02	5.3112	0.1104	0.0688	0.0267	0.206
1232	9.99	9.96	3.1604	2.1716	-0.02	5.312	0.1163	0.0593	0.0263	0.2019
1233	9.96	10	3.1607	2.1715	-0.0198	5.3123	0.1331	0.0553	0.0286	0.217
1234	9.29	10.1	3.1608	2.1718	-0.02	5.3126	0.1528	0.0452	0.0295	0.2276
1235	10.2	10.1	3.1597	2.1722	-0.02	5.3119	0.1516	0.0521	0.0291	0.2328
1236	9.9	10.2	3.1588	2.1722	-0.0199	5.3111	0.1463	0.0621	0.03	0.2384
1237	10.4	10.2	3.1581	2.1723	-0.0197	5.3107	0.1437	0.0717	0.03	0.2454
1238	9.5	10.2	3.1574	2.1737	-0.0198	5.3113	0.1485	0.0678	0.0308	0.2471
1239	10	10.2	3.1553	2.1743	-0.0198	5.3098	0.155	0.065	0.0314	0.2514
1240	9.64	10.2	3.1534	2.1744	-0.0201	5.3077	0.1577	0.0647	0.0285	0.2509
1241	10.3	10.2	3.1516	2.1742	-0.0203	5.3056	0.1561	0.0627	0.0274	0.2462
1242	11	10.2	3.1504	2.1746	-0.0205	5.3045	0.1659	0.0612	0.0259	0.253
1243	10.8	10.3	3.15	2.1745	-0.0208	5.3037	0.1649	0.0626	0.0281	0.2556
1244	10.5	10.3	3.1498	2.1748	-0.021	5.3036	0.1637	0.0676	0.0292	0.2605
1245	10.5	10.3	3.1488	2.1748	-0.0211	5.3025	0.1575	0.0726	0.0276	0.2577
1246	10.3	10.3	3.1482	2.1745	-0.021	5.3017	0.1478	0.0846	0.0238	0.2562
1247	10.6	10.3	3.1473	2.1748	-0.021	5.3011	0.1578	0.0874	0.0225	0.2676
1248	10.8	10.3	3.1459	2.1755	-0.0211	5.3004	0.1606	0.0844	0.0223	0.2673
1249	10.7	10.3	3.1459	2.1752	-0.021	5.3001	0.1498	0.0859	0.0256	0.2614

1250	9.83	10.4	3.1471	2.1755	-0.0211	5.3015	0.1483	0.0864	0.0262	0.2609
1251	10.5	10.4	3.1446	2.1774	-0.0212	5.3007	0.1416	0.0852	0.0255	0.2524
1252	10.1	10.4	3.1446	2.1771	-0.0214	5.3003	0.1426	0.0839	0.0245	0.2511
1253	9.78	10.3	3.1468	2.1753	-0.0215	5.3006	0.1413	0.0869	0.0248	0.2531
1254	9.76	10.3	3.1477	2.1744	-0.0217	5.3004	0.1439	0.0908	0.0233	0.258
1255	10.5	10.4	3.1472	2.1741	-0.0219	5.2994	0.1801	0.0786	0.0229	0.2816
1256	10.5	10.3	3.1471	2.1738	-0.022	5.299	0.1982	0.062	0.0255	0.2857
1257	10.1	10.3	3.1469	2.1742	-0.0219	5.2991	0.1989	0.0448	0.0279	0.2716
1258	10.2	10.3	3.1471	2.1739	-0.0219	5.2991	0.213	0.0417	0.0319	0.2866
1259	10.5	10.3	3.1481	2.1728	-0.022	5.299	0.2477	0.0377	0.0353	0.3206
1260	10.4	10.3	3.1492	2.1717	-0.0219	5.299	0.2608	0.0267	0.0405	0.3281
1261	10.4	10.3	3.1517	2.1712	-0.0217	5.3012	0.2504	0.0337	0.0411	0.3253
1262	10.3	10.3	3.1541	2.1712	-0.0217	5.3036	0.2462	0.038	0.0432	0.3273
1263	10.6	10.3	3.1539	2.1714	-0.0218	5.3035	0.2485	0.0426	0.0419	0.3329
1264	10.8	10.4	3.1526	2.1713	-0.0219	5.302	0.2337	0.0642	0.0421	0.34
1265	9.95	10.4	3.1487	2.1723	-0.022	5.299	0.2089	0.0712	0.0434	0.3234
1266	10.5	10.4	3.146	2.1743	-0.0218	5.2985	0.192	0.0685	0.0427	0.3032
1267	10.2	10.3	3.1461	2.1738	-0.0216	5.2982	0.1826	0.0727	0.0405	0.2958
1268	10.4	10.3	3.1461	2.1736	-0.0217	5.298	0.1423	0.0911	0.0398	0.2732
1269	10.7	10.3	3.1452	2.1742	-0.0217	5.2977	0.1342	0.0926	0.0395	0.2663
1270	9.89	10.4	3.1437	2.1747	-0.0218	5.2966	0.12	0.0936	0.0413	0.2548
1271	10.2	10.4	3.1426	2.1747	-0.0218	5.2954	0.1189	0.0893	0.04	0.2482
1272	10.4	10.4	3.1419	2.1744	-0.0217	5.2947	0.0979	0.0895	0.0373	0.2246
1273	10.3	10.4	3.1411	2.1746	-0.0216	5.2941	0.0885	0.0806	0.0374	0.2065
1274	10.7	10.4	3.1413	2.1742	-0.0215	5.294	0.0706	0.0866	0.0404	0.1977
1275	10.2	10.4	3.1411	2.1737	-0.0215	5.2934	0.0596	0.0831	0.0407	0.1834
1276	9.69	10.4	3.1399	2.1743	-0.0217	5.2925	0.0589	0.0672	0.0416	0.1677
1277	10.1	10.5	3.1412	2.1737	-0.0218	5.2931	0.0921	0.0571	0.0422	0.1914
1278	11	10.4	3.141	2.1729	-0.0217	5.2922	0.1423	0.0371	0.0448	0.2241
1279	10.6	10.4	3.1414	2.1725	-0.0218	5.292	0.1679	0.0383	0.0476	0.2538
1280	10.6	10.4	3.1413	2.1725	-0.0219	5.2919	0.1958	0.0351	0.0499	0.2807
1281	10.9	10.5	3.1418	2.1723	-0.0218	5.2922	0.2172	0.0395	0.0509	0.3077
1282	11.1	10.5	3.1416	2.1724	-0.0219	5.2921	0.2316	0.0337	0.0524	0.3177
1283	10.7	10.5	3.1407	2.173	-0.0218	5.292	0.2509	0.0406	0.051	0.3425
1284	10.3	10.5	3.1414	2.1726	-0.0217	5.2923	0.2507	0.0434	0.052	0.3461
1285	10.2	10.5	3.142	2.1721	-0.0217	5.2924	0.239	0.0486	0.0478	0.3355
1286	10.7	10.5	3.1422	2.1714	-0.0217	5.2918	0.2127	0.0551	0.0457	0.3134

1287	10.2	10.5	3.1426	2.171	-0.0218	5.2918	0.1851	0.0613	0.0451	0.2915
1288	10.4	10.5	3.1424	2.1712	-0.0219	5.2916	0.1542	0.0638	0.0454	0.2634
1289	9.99	10.5	3.1408	2.1714	-0.0218	5.2904	0.1345	0.0774	0.0428	0.2548
1290	10.7	10.5	3.1398	2.1721	-0.0219	5.29	0.0994	0.0788	0.0396	0.2178
1291	10.3	10.5	3.1391	2.1724	-0.0219	5.2896	0.0698	0.0791	0.035	0.1838
1292	11.1	10.4	3.1396	2.1721	-0.0221	5.2895	0.0446	0.0825	0.0323	0.1594
1293	10.6	10.4	3.1397	2.1716	-0.0223	5.2891	0.0347	0.0847	0.0314	0.1508
1294	10.7	10.4	3.1395	2.1716	-0.0223	5.2887	0.0386	0.0853	0.0308	0.1547
1295	10.2	10.5	3.1392	2.1713	-0.0224	5.2881	0.0435	0.0869	0.0288	0.1592
1296	10.1	10.4	3.1382	2.1713	-0.0223	5.2873	0.0345	0.0891	0.0288	0.1524
1297	10.3	10.5	3.1386	2.1711	-0.0223	5.2874	0.0196	0.0903	0.0278	0.1376
1298	10.7	10.5	3.1393	2.171	-0.0225	5.2878	0.0075	0.0888	0.028	0.1243
1299	10.4	10.5	3.1394	2.1707	-0.0226	5.2875	-0.011	0.0958	0.0274	0.1123
1300	10.2	10.5	3.139	2.1703	-0.0228	5.2866	-0.0159	0.096	0.0294	0.1095
1301	10.8	10.5	3.1379	2.1709	-0.023	5.2858	-0.0051	0.0988	0.0295	0.1232
1302	10.4	10.5	3.1377	2.1707	-0.0232	5.2852	-0.0311	0.1182	0.0282	0.1153
1303	10.1	10.5	3.1382	2.1698	-0.0232	5.2848	-0.0274	0.113	0.0258	0.1114
1304	10.7	10.5	3.1368	2.1698	-0.0234	5.2831	0.005	0.0914	0.0255	0.1219
1305	10.5	10.5	3.1365	2.1695	-0.0236	5.2824	0.01	0.083	0.024	0.117
1306	10.4	10.4	3.1371	2.1699	-0.0238	5.2832	-0.0062	0.0775	0.0229	0.0942
1307	10.5	10.4	3.1367	2.1699	-0.0242	5.2825	-0.0207	0.0847	0.0235	0.0875
1308	10.7	10.4	3.1363	2.1699	-0.0244	5.2817	-0.031	0.0826	0.0236	0.0752
1309	10.8	10.4	3.1373	2.1697	-0.0245	5.2826	-0.0409	0.0799	0.0241	0.0631
1310	10.9	10.3	3.1392	2.1688	-0.0244	5.2836	-0.0362	0.0755	0.0249	0.0642
1311	10.6	10.3	3.1406	2.1678	-0.0245	5.2839	-0.0274	0.0722	0.0281	0.0728
1312	10.4	10.2	3.1409	2.1676	-0.0246	5.2839	-0.0033	0.0715	0.0315	0.0997
1313	10.1	10.2	3.1413	2.1666	-0.0245	5.2834	0.0155	0.0758	0.0343	0.1257
1314	10.3	10.1	3.1428	2.1661	-0.0244	5.2845	0.0269	0.0666	0.0365	0.1299
1315	9.69	10.1	3.1434	2.1666	-0.0244	5.2856	0.031	0.0461	0.0387	0.1157
1316	10.2	10	3.1429	2.1669	-0.0244	5.2854	-0.017	0.0551	0.0406	0.0787
1317	9.7	9.96	3.1454	2.1659	-0.0245	5.2868	-0.0518	0.0777	0.0456	0.0715
1318	9.83	9.91	3.1462	2.1655	-0.0244	5.2872	-0.0575	0.0801	0.0493	0.0718
1319	9.56	9.82	3.1478	2.165	-0.0246	5.2883	-0.0719	0.0887	0.0481	0.065
1320	9.51	9.75	3.1473	2.1654	-0.0246	5.2881	-0.1122	0.1231	0.0442	0.0551
1321	10.1	9.7	3.147	2.1657	-0.0245	5.2882	-0.1259	0.1281	0.0425	0.0447
1322	9.81	9.65	3.1477	2.1656	-0.0245	5.2888	-0.1302	0.1159	0.0412	0.0269
1323	9.15	9.58	3.1481	2.1655	-0.0246	5.289	-0.147	0.1159	0.0445	0.0134

1324	9.21	9.49	3.1489	2.1653	-0.0246	5.2896	-0.1633	0.1197	0.0465	0.0028
1325	9.21	9.45	3.1488	2.1655	-0.0245	5.2898	-0.1755	0.1191	0.0491	-0.0073
1326	9.56	9.4	3.1457	2.1666	-0.0245	5.2878	-0.1886	0.1213	0.0504	-0.0169
1327	9.69	9.39	3.1419	2.1682	-0.0246	5.2854	-0.2037	0.1204	0.049	-0.0342
1328	9.14	9.38	3.1408	2.1681	-0.0248	5.2841	-0.1967	0.1143	0.0464	-0.036
1329	9.44	9.39	3.1396	2.1683	-0.0249	5.283	-0.2154	0.112	0.0459	-0.0576
1330	9.62	9.39	3.1375	2.1682	-0.025	5.2807	-0.2253	0.1074	0.046	-0.0719
1331	9.64	9.36	3.136	2.1687	-0.0252	5.2795	-0.2489	0.1103	0.045	-0.0936
1332	8.66	9.36	3.1353	2.1676	-0.0251	5.2778	-0.2594	0.1124	0.0439	-0.1031
1333	8.62	9.42	3.1356	2.1672	-0.025	5.2777	-0.2657	0.1195	0.0426	-0.1036
1334	8.84	9.48	3.1369	2.167	-0.0247	5.2791	-0.2853	0.127	0.0399	-0.1184
1335	9.3	9.55	3.1384	2.1667	-0.0246	5.2805	-0.2707	0.1244	0.04	-0.1063
1336	9.46	9.57	3.1403	2.1661	-0.0244	5.282	-0.2532	0.1217	0.0432	-0.0883
1337	9.76	9.6	3.1427	2.1659	-0.0242	5.2843	-0.2347	0.1078	0.0472	-0.0797
1338	9.67	9.62	3.144	2.166	-0.0241	5.2858	-0.2488	0.1144	0.0484	-0.086
1339	9.58	9.64	3.1454	2.1665	-0.0238	5.2881	-0.2542	0.1182	0.0484	-0.0876
1340	9.54	9.67	3.1464	2.1665	-0.0236	5.2893	-0.2722	0.1128	0.0499	-0.1095
1341	9.78	9.73	3.1471	2.166	-0.0235	5.2896	-0.2807	0.1268	0.0498	-0.1041
1342	10.4	9.84	3.147	2.1662	-0.0237	5.2894	-0.2695	0.1308	0.0508	-0.0878
1343	10.3	9.96	3.1461	2.166	-0.0239	5.2883	-0.2715	0.1334	0.0481	-0.09
1344	10.5	10	3.1455	2.1661	-0.0239	5.2877	-0.2896	0.132	0.0454	-0.1123
1345	9.99	10.1	3.1454	2.1658	-0.024	5.2873	-0.2941	0.1315	0.0426	-0.12
1346	10.2	10.2	3.1462	2.1655	-0.0238	5.2879	-0.3123	0.1367	0.0391	-0.1365
1347	9.63	10.3	3.1465	2.166	-0.0238	5.2887	-0.3207	0.1294	0.0353	-0.1561
1348	9.74	10.3	3.147	2.166	-0.0238	5.2891	-0.3017	0.1139	0.0321	-0.1557
1349	10.2	10.3	3.1475	2.1656	-0.0239	5.2892	-0.2845	0.1099	0.0304	-0.1442
1350	10.8	10.4	3.1476	2.1656	-0.0241	5.2892	-0.2896	0.1142	0.0293	-0.1461
1351	10.8	10.4	3.1477	2.1656	-0.024	5.2892	-0.3122	0.1189	0.0267	-0.1666
1352	10.8	10.4	3.1474	2.1658	-0.024	5.2891	-0.331	0.1098	0.0265	-0.1946
1353	10.5	10.4	3.1463	2.1662	-0.0241	5.2884	-0.3363	0.1013	0.0259	-0.2091
1354	11.1	10.4	3.1467	2.1661	-0.0241	5.2887	-0.3054	0.0895	0.0277	-0.1882
1355	10.8	10.4	3.1478	2.1664	-0.0242	5.29	-0.2891	0.0899	0.0245	-0.1747
1356	10.7	10.4	3.1492	2.1653	-0.0243	5.2902	-0.2697	0.0757	0.0214	-0.1726
1357	10.4	10.5	3.15	2.1659	-0.0243	5.2916	-0.2628	0.0824	0.0197	-0.1608
1358	10.4	10.6	3.1512	2.1659	-0.0243	5.2928	-0.2586	0.0838	0.0167	-0.1581
1359	10.5	10.6	3.1517	2.1653	-0.0245	5.2925	-0.247	0.0766	0.0146	-0.1557
1360	10.4	10.6	3.1519	2.1645	-0.0247	5.2917	-0.2185	0.0664	0.0152	-0.1369

1361	10.2	10.6	3.1521	2.1641	-0.0249	5.2913	-0.1866	0.0499	0.0168	-0.1198
1362	10.5	10.6	3.1525	2.1636	-0.0251	5.291	-0.1673	0.0424	0.0164	-0.1085
1363	10.4	10.6	3.1512	2.1647	-0.0254	5.2905	-0.162	0.0407	0.0183	-0.1031
1364	10.2	10.5	3.1495	2.1666	-0.0258	5.2904	-0.1392	0.025	0.0215	-0.0928
1365	10.4	10.5	3.1505	2.1667	-0.026	5.2912	-0.1209	0.0288	0.0231	-0.069
1366	11	10.5	3.1512	2.1665	-0.0263	5.2914	-0.122	0.0389	0.024	-0.0592
1367	10.7	10.5	3.1518	2.1658	-0.0266	5.2911	-0.1335	0.0424	0.0243	-0.0669
1368	10.7	10.5	3.1533	2.1647	-0.0265	5.2915	-0.1063	0.0283	0.0253	-0.0526
1369	10.4	10.5	3.1564	2.1619	-0.0261	5.2922	-0.0962	0.027	0.0284	-0.0408
1370	10.9	10.4	3.1563	2.1618	-0.026	5.2921	-0.0793	0.0236	0.0255	-0.0301
1371	10.9	10.4	3.1556	2.1631	-0.0259	5.2928	-0.0865	0.0233	0.0247	-0.0385
1372	10.5	10.4	3.1566	2.1628	-0.0261	5.2933	-0.101	0.0316	0.0262	-0.0432
1373	10.3	10.3	3.1574	2.1626	-0.0262	5.2938	-0.1085	0.0477	0.0266	-0.0342
1374	10.5	10.3	3.1589	2.1623	-0.0264	5.2947	-0.1132	0.0564	0.0256	-0.0313
1375	10.8	10.2	3.16	2.1616	-0.0265	5.2951	-0.1119	0.0562	0.0247	-0.031
1376	10.4	10.2	3.1603	2.1622	-0.0266	5.2959	-0.1205	0.0555	0.0274	-0.0376
1377	9.83	10.1	3.1609	2.1622	-0.0264	5.2967	-0.1551	0.0742	0.031	-0.05
1378	9.65	10	3.1626	2.1617	-0.0263	5.2979	-0.1836	0.0943	0.0284	-0.0609
1379	10	9.96	3.1639	2.1618	-0.0264	5.2992	-0.2044	0.1019	0.0249	-0.0775
1380	10.1	9.86	3.1662	2.1614	-0.0264	5.3013	-0.2202	0.1015	0.0217	-0.0969
1381	9.55	9.79	3.1677	2.161	-0.0262	5.3025	-0.2581	0.1014	0.0182	-0.1385
1382	9.84	9.73	3.1681	2.1604	-0.0261	5.3025	-0.2785	0.1062	0.0137	-0.1586
1383	9.56	9.67	3.1693	2.1603	-0.0257	5.3038	-0.2936	0.0945	0.0148	-0.1843
1384	9.08	9.6	3.1684	2.1602	-0.0257	5.3029	-0.2945	0.0892	0.018	-0.1873
1385	9.5	9.53	3.1673	2.1599	-0.026	5.3012	-0.2798	0.0916	0.022	-0.1663
1386	9.72	9.52	3.1656	2.1606	-0.0264	5.2998	-0.2521	0.0905	0.0233	-0.1383
1387	8.83	9.53	3.1675	2.1596	-0.0266	5.3004	-0.2256	0.0906	0.0248	-0.1101
1388	9.15	9.53	3.1678	2.1594	-0.0267	5.3004	-0.1843	0.0881	0.0281	-0.0681
1389	9.06	9.51	3.168	2.1601	-0.0268	5.3013	-0.1639	0.0756	0.0327	-0.0555
1390	9.53	9.48	3.1679	2.1594	-0.0269	5.3004	-0.1349	0.0796	0.0369	-0.0184
1391	9.39	9.47	3.1661	2.1593	-0.027	5.2984	-0.1001	0.0758	0.0395	0.0151
1392	9.17	9.43	3.1667	2.1588	-0.0269	5.2985	-0.0909	0.0786	0.0401	0.0277
1393	9.24	9.43	3.1687	2.1584	-0.0268	5.3003	-0.0985	0.0905	0.0394	0.0313
1394	9.44	9.43	3.1689	2.1584	-0.0266	5.3007	-0.1012	0.0887	0.0381	0.0257
1395	10.2	9.39	3.1704	2.1576	-0.0263	5.3018	-0.1089	0.0917	0.0382	0.021
1396	9.91	9.37	3.1703	2.1584	-0.0258	5.3029	-0.1057	0.0888	0.0382	0.0213
1397	9.72	9.42	3.1688	2.1597	-0.0255	5.3029	-0.0954	0.086	0.0408	0.0313

1398	9.67	9.43	3.1677	2.16	-0.0255	5.3022	-0.0958	0.0928	0.042	0.0391
1399	9.58	9.46	3.1684	2.1593	-0.0255	5.3021	-0.0907	0.0891	0.0422	0.0406
1400	9.34	9.47	3.1703	2.1585	-0.0254	5.3033	-0.0897	0.082	0.0422	0.0345
1401	9.07	9.5	3.171	2.1599	-0.0256	5.3053	-0.0798	0.0728	0.0422	0.0352
1402	9.49	9.58	3.1713	2.1606	-0.0258	5.3062	-0.0719	0.0625	0.0433	0.034
1403	9.06	9.68	3.1687	2.1608	-0.026	5.3036	-0.0825	0.0667	0.044	0.0283
1404	8.89	9.72	3.1657	2.1608	-0.0259	5.3006	-0.1162	0.0923	0.0433	0.0194
1405	9.36	9.73	3.1635	2.1619	-0.0258	5.2996	-0.1087	0.0944	0.042	0.0277
1406	9.7	9.75	3.1634	2.1617	-0.0258	5.2993	-0.0907	0.0849	0.0391	0.0333
1407	9.28	9.79	3.1626	2.1616	-0.0259	5.2983	-0.0955	0.081	0.0389	0.0243
1408	9.63	9.81	3.161	2.1622	-0.0259	5.2973	-0.0925	0.0854	0.038	0.0309
1409	9.8	9.82	3.1592	2.1631	-0.026	5.2963	-0.093	0.0892	0.0384	0.0346
1410	10	9.87	3.1579	2.1638	-0.0261	5.2956	-0.086	0.0779	0.0387	0.0307
1411	10.7	9.95	3.1573	2.1635	-0.0261	5.2948	-0.0893	0.0712	0.0379	0.0198
1412	11.1	10	3.1571	2.1635	-0.0264	5.2942	-0.0858	0.059	0.0406	0.0137
1413	10.2	10.1	3.1552	2.1641	-0.0266	5.2927	-0.0742	0.0478	0.0423	0.0159
1414	10.4	10.1	3.1549	2.1632	-0.0267	5.2914	-0.0865	0.0719	0.0417	0.0271
1415	10.2	10.2	3.1556	2.1627	-0.0268	5.2915	-0.0992	0.1005	0.0406	0.042
1416	10.4	10.2	3.1563	2.1627	-0.0268	5.2921	-0.0807	0.0963	0.0387	0.0543
1417	10.1	10.2	3.156	2.1631	-0.027	5.2921	-0.0647	0.0832	0.0367	0.0551
1418	9.85	10.3	3.1558	2.1628	-0.0273	5.2913	-0.0796	0.0977	0.0344	0.0525
1419	10.4	10.3	3.1558	2.1627	-0.0272	5.2913	-0.0706	0.0882	0.0339	0.0514
1420	10.6	10.3	3.1559	2.1631	-0.027	5.2919	-0.0436	0.0584	0.0389	0.0537
1421	10.5	10.3	3.1571	2.1625	-0.0271	5.2925	-0.0491	0.0607	0.0413	0.0529
1422	10.5	10.2	3.1586	2.1608	-0.0272	5.2922	-0.0552	0.0766	0.0438	0.0653
1423	10.1	10.2	3.1595	2.1599	-0.0272	5.2922	-0.0462	0.0812	0.0424	0.0774
1424	9.94	10.2	3.1601	2.1597	-0.0271	5.2927	-0.0399	0.0781	0.0425	0.0807
1425	9.48	10.2	3.1608	2.16	-0.0273	5.2935	-0.0288	0.0768	0.0407	0.0887
1426	10	10.2	3.1612	2.1592	-0.0276	5.2928	-0.0143	0.0705	0.0401	0.0964
1427	10.7	10.2	3.1603	2.1587	-0.0275	5.2915	-0.0202	0.0906	0.0406	0.111
1428	10.7	10.2	3.1613	2.1579	-0.0273	5.2919	-0.0166	0.0925	0.0407	0.1166
1429	10.4	10.2	3.1616	2.1582	-0.0271	5.2927	-0.0028	0.0885	0.0403	0.1259
1430	10	10.1	3.1633	2.1581	-0.0268	5.2946	0.0047	0.0924	0.0404	0.1376
1431	10.1	10.1	3.1638	2.1581	-0.0266	5.2953	0.0139	0.0877	0.0422	0.1438
1432	10.1	10.1	3.1647	2.1581	-0.0266	5.2962	0.0303	0.0823	0.0419	0.1544
1433	10.1	10.1	3.1651	2.1582	-0.0268	5.2965	0.0361	0.0765	0.0418	0.1545
1434	9.82	10.2	3.1648	2.1578	-0.0269	5.2957	0.0328	0.0855	0.0468	0.1651

1435	9.89	10.2	3.1637	2.1576	-0.0269	5.2944	0.0321	0.0714	0.049	0.1525
1436	10.3	10.2	3.1629	2.157	-0.0269	5.293	0.0101	0.0756	0.0449	0.1306
1437	10.3	10.2	3.1611	2.1571	-0.0271	5.2911	-0.0229	0.0962	0.0366	0.1098
1438	9.63	10.1	3.1603	2.1584	-0.0274	5.2914	-0.0064	0.0791	0.0304	0.1031
1439	9.77	10.2	3.1589	2.1585	-0.0275	5.2899	-0.0146	0.0799	0.0272	0.0926
1440	9.97	10.2	3.1564	2.1589	-0.0275	5.2878	-0.0299	0.0936	0.028	0.0917
1441	10.6	10.2	3.1562	2.1581	-0.0275	5.2869	-0.0408	0.0912	0.0305	0.0809
1442	10.8	10.2	3.1568	2.1571	-0.0276	5.2863	-0.0612	0.093	0.0323	0.0641
1443	10.3	10.2	3.1563	2.1571	-0.0277	5.2857	-0.0507	0.0897	0.0343	0.0733
1444	10.4	10.3	3.1564	2.1569	-0.0277	5.2856	-0.0314	0.0975	0.0364	0.1025
1445	10.3	10.3	3.156	2.157	-0.0278	5.2851	-0.0138	0.096	0.0417	0.1239
1446	10.3	10.3	3.1558	2.1569	-0.0279	5.2848	0.0096	0.0938	0.0463	0.1497
1447	9.75	10.3	3.1561	2.1567	-0.028	5.2848	0.0271	0.0831	0.0512	0.1614
1448	10.6	10.3	3.1561	2.157	-0.0281	5.2851	0.0121	0.0977	0.0527	0.1624
1449	10.6	10.3	3.1565	2.1574	-0.0282	5.2857	0.0091	0.0998	0.051	0.1599
1450	10.5	10.4	3.1556	2.1583	-0.0283	5.2856	0.0205	0.0985	0.0513	0.1702
1451	10.3	10.3	3.1548	2.1593	-0.0284	5.2858	0.0383	0.0959	0.0531	0.1873
1452	10.4	10.3	3.1556	2.1591	-0.0284	5.2863	0.0428	0.1199	0.0508	0.2135
1453	10.3	10.3	3.1579	2.157	-0.0284	5.2865	0.0444	0.1327	0.0473	0.2244
1454	10.5	10.3	3.1575	2.1567	-0.0283	5.2859	0.0199	0.1369	0.0453	0.2022
1455	10	10.2	3.1569	2.1579	-0.0281	5.2866	-0.0149	0.141	0.0469	0.1729
1456	10.5	10.2	3.1587	2.1572	-0.0282	5.2878	-0.0448	0.1524	0.0497	0.1573
1457	10.2	10.2	3.1592	2.1574	-0.0281	5.2885	-0.0454	0.1485	0.0505	0.1536
1458	10.4	10.2	3.1605	2.157	-0.0282	5.2893	-0.0577	0.1548	0.0494	0.1465
1459	10.5	10.1	3.1603	2.1575	-0.0283	5.2895	-0.0754	0.1625	0.049	0.1361
1460	10.1	10.1	3.1609	2.1574	-0.0285	5.2897	-0.0854	0.1674	0.0527	0.1347
1461	9.85	10.1	3.1606	2.1582	-0.0289	5.2899	-0.0874	0.1651	0.0541	0.1318
1462	10.3	10.1	3.1599	2.1588	-0.0294	5.2894	-0.0706	0.1465	0.0563	0.1322
1463	10.1	10.1	3.1599	2.1576	-0.0296	5.2878	-0.0596	0.1475	0.0568	0.1447
1464	9.44	10.1	3.1594	2.1566	-0.0298	5.2862	-0.0703	0.1563	0.0536	0.1396
1465	9.73	10.1	3.1585	2.1571	-0.0299	5.2857	-0.0754	0.1456	0.0552	0.1253
1466	9.88	10.1	3.1576	2.1582	-0.03	5.2859	-0.0717	0.1381	0.055	0.1215
1467	9.57	10.1	3.1598	2.156	-0.03	5.2858	-0.0583	0.132	0.0564	0.1301
1468	9.66	10.1	3.1604	2.1559	-0.0299	5.2864	-0.057	0.1369	0.0567	0.1366
1469	9.93	10	3.1607	2.1561	-0.03	5.2868	-0.0711	0.1454	0.0544	0.1287
1470	10.1	9.97	3.1612	2.1558	-0.0301	5.2868	-0.0748	0.1478	0.0548	0.1279
1471	10.6	9.94	3.1611	2.1554	-0.0303	5.2862	-0.0742	0.1515	0.0569	0.1343

1472	10.5	9.89	3.1612	2.1547	-0.0304	5.2856	-0.0711	0.1602	0.0575	0.1466
1473	10.4	9.84	3.1614	2.1548	-0.0305	5.2857	-0.0657	0.1472	0.0553	0.1368
1474	10.3	9.85	3.1617	2.1546	-0.0305	5.2859	-0.0648	0.1407	0.0514	0.1272
1475	10.4	9.81	3.1614	2.1546	-0.0306	5.2854	-0.0619	0.1322	0.0498	0.1201
1476	10.2	9.76	3.1623	2.1532	-0.0307	5.2848	-0.0999	0.1474	0.0431	0.0905
1477	9.61	9.72	3.1625	2.153	-0.0305	5.285	-0.1352	0.1564	0.0388	0.06
1478	9.42	9.69	3.1629	2.1528	-0.0303	5.2853	-0.1954	0.1773	0.038	0.0199
1479	9.32	9.67	3.1634	2.1525	-0.0305	5.2855	-0.1937	0.1619	0.0383	0.0065
1480	9.29	9.67	3.1648	2.1527	-0.0306	5.2869	-0.1849	0.1542	0.0377	0.007
1481	9.34	9.62	3.1647	2.1528	-0.0304	5.2871	-0.1667	0.1405	0.0404	0.0143
1482	9.31	9.57	3.1645	2.1528	-0.0303	5.287	-0.1631	0.1306	0.0404	0.0079
1483	9.64	9.52	3.166	2.1517	-0.0304	5.2873	-0.1504	0.1294	0.0382	0.0172
1484	8.89	9.48	3.1652	2.1531	-0.0306	5.2877	-0.1329	0.1236	0.0349	0.0257
1485	8.93	9.42	3.1663	2.1524	-0.0305	5.2882	-0.1186	0.1102	0.0356	0.0271
1486	8.91	9.36	3.1679	2.151	-0.0301	5.2888	-0.1115	0.1008	0.037	0.0262
1487	8.98	9.35	3.1681	2.1517	-0.0297	5.2901	-0.1079	0.0907	0.0378	0.0206
1488	9.6	9.31	3.1692	2.1514	-0.0294	5.2911	-0.102	0.0847	0.0364	0.0192
1489	10.1	9.31	3.171	2.1507	-0.0296	5.2922	-0.0855	0.0912	0.0344	0.0401
1490	9.65	9.3	3.1719	2.1503	-0.0299	5.2923	-0.084	0.0801	0.0371	0.0332
1491	9.52	9.31	3.1722	2.15	-0.0302	5.292	-0.1027	0.0853	0.0373	0.0199
1492	9.49	9.33	3.1718	2.1498	-0.0304	5.2912	-0.0998	0.0796	0.0401	0.0199
1493	9.57	9.32	3.1718	2.1487	-0.0305	5.29	-0.0789	0.0674	0.0399	0.0283
1494	9.3	9.35	3.1703	2.1488	-0.0308	5.2883	-0.0764	0.0714	0.0387	0.0336
1495	9.08	9.37	3.1694	2.1482	-0.0309	5.2868	-0.0647	0.0665	0.0381	0.0399
1496	9.26	9.39	3.1676	2.1501	-0.0309	5.2868	-0.0523	0.0641	0.0389	0.0507
1497	8.79	9.42	3.1676	2.1499	-0.0308	5.2867	-0.0424	0.0639	0.0397	0.0612
1498	9.24	9.45	3.1668	2.15	-0.0306	5.2862	-0.0374	0.0613	0.039	0.0629
1499	9.2	9.43	3.1663	2.1494	-0.0306	5.2851	-0.0495	0.0788	0.0371	0.0664
1500	9.44	9.4	3.1664	2.1489	-0.0307	5.2846	-0.0642	0.0937	0.0361	0.0656
1501	9.62	9.43	3.1667	2.1479	-0.0307	5.2839	-0.0666	0.0993	0.0361	0.0688
1502	9.51	9.47	3.1669	2.1473	-0.0305	5.2837	-0.0627	0.1056	0.0326	0.0756
1503	9.44	9.47	3.1667	2.1472	-0.0305	5.2834	-0.0625	0.1116	0.0301	0.0791
1504	9.41	9.52	3.1672	2.1467	-0.0306	5.2833	-0.0318	0.0946	0.026	0.0887
1505	9.33	9.56	3.1679	2.1467	-0.0307	5.2839	-0.0373	0.0894	0.0249	0.0769
1506	9.53	9.59	3.1679	2.1468	-0.0308	5.2839	-0.0406	0.0936	0.0258	0.0788
1507	10	9.64	3.1684	2.1461	-0.0308	5.2837	-0.0217	0.0778	0.0239	0.08
1508	9.75	9.66	3.1685	2.146	-0.0308	5.2837	-0.0071	0.0686	0.0237	0.0852

1509	9.03	9.69	3.1677	2.1464	-0.0312	5.2828	0.0194	0.0586	0.0232	0.1013
1510	10.2	9.73	3.1666	2.1473	-0.0315	5.2824	0.0208	0.0597	0.0227	0.1031
1511	10.3	9.75	3.1644	2.1489	-0.0317	5.2816	0.0321	0.0512	0.0208	0.1041
1512	9.47	9.76	3.1631	2.1487	-0.0321	5.2797	0.0339	0.0522	0.0178	0.104
1513	10.2	9.75	3.1622	2.1484	-0.032	5.2787	0.0248	0.0574	0.0144	0.0965
1514	9.91	9.75	3.1624	2.1487	-0.0322	5.2789	0.0256	0.0423	0.0111	0.0789
1515	9.75	9.77	3.1627	2.1489	-0.0323	5.2794	0.0368	0.032	0.0103	0.079
1516	9.84	9.76	3.1621	2.1495	-0.0325	5.2791	0.0442	0.0319	0.01	0.0861
1517	9.6	9.73	3.1617	2.1494	-0.0327	5.2784	0.0391	0.0545	0.0092	0.1028
1518	9.82	9.72	3.1629	2.1482	-0.0327	5.2784	0.0567	0.0293	0.01	0.096
1519	10.1	9.72	3.1632	2.1479	-0.0326	5.2785	0.0491	0.0293	0.0112	0.0897
1520	10	9.68	3.1633	2.1479	-0.0327	5.2785	0.0549	0.0339	0.0132	0.1021
1521	9.76	9.61	3.1642	2.1465	-0.0329	5.2779	0.0609	0.0277	0.014	0.1025
1522	9.09	9.55	3.1652	2.1461	-0.0327	5.2785	0.0562	0.0306	0.0133	0.1
1523	9.53	9.47	3.1659	2.1458	-0.0323	5.2794	0.0687	0.0219	0.013	0.1037
1524	9.77	9.42	3.1663	2.1465	-0.0321	5.2807	0.0803	0.0241	0.0101	0.1146
1525	9.31	9.36	3.1708	2.1452	-0.0316	5.2845	0.0956	0.0238	0.01	0.1294
1526	9.44	9.32	3.1747	2.1436	-0.0315	5.2868	0.0954	0.0303	0.0122	0.1379
1527	9.54	9.28	3.1798	2.141	-0.0313	5.2895	0.1041	0.0185	0.0137	0.1364
1528	9.1	9.23	3.1807	2.1417	-0.0311	5.2912	0.1104	0.0133	0.0175	0.1412
1529	9.36	9.17	3.1801	2.1428	-0.0308	5.292	0.1012	0.019	0.019	0.1391
1530	8.88	9.14	3.18	2.144	-0.0309	5.2931	0.1154	0.0182	0.0183	0.1518
1531	8.44	9.13	3.1801	2.145	-0.0306	5.2945	0.1404	0.0197	0.019	0.1792
1532	8.57	9.15	3.1797	2.1452	-0.0304	5.2945	0.1872	-0.0031	0.0209	0.205
1533	8.97	9.16	3.1783	2.1459	-0.0303	5.2939	0.1871	-0.0049	0.0251	0.2074
1534	8.68	9.16	3.1767	2.1468	-0.0305	5.293	0.1774	0.0123	0.0258	0.2155
1535	9.05	9.18	3.1748	2.1475	-0.0306	5.2917	0.1779	0.0231	0.0244	0.2255
1536	8.81	9.21	3.1736	2.1479	-0.0307	5.2909	0.1898	0.0147	0.0264	0.2308
1537	8.85	9.24	3.1713	2.1486	-0.0307	5.2892	0.2081	0.0078	0.0292	0.2451
1538	9.15	9.29	3.1689	2.1493	-0.0308	5.2874	0.2194	0.0074	0.0334	0.2602
1539	9.27	9.33	3.1673	2.1505	-0.0312	5.2866	0.2349	-0.003	0.035	0.2669
1540	9.74	9.39	3.1667	2.1504	-0.0312	5.2858	0.2551	-0.0123	0.0318	0.2747
1541	9.33	9.46	3.1662	2.1502	-0.0315	5.2849	0.2612	-0.018	0.0277	0.2709
1542	9.72	9.53	3.1647	2.1504	-0.0316	5.2835	0.2569	-0.0225	0.0247	0.2591
1543	9.81	9.62	3.1639	2.15	-0.0316	5.2823	0.2539	-0.0203	0.0257	0.2593
1544	9.72	9.7	3.1629	2.1503	-0.0315	5.2816	0.2448	-0.0258	0.0261	0.2451
1545	10	9.75	3.1612	2.1506	-0.0317	5.2801	0.2314	-0.018	0.0225	0.2359

1546	10.2	9.85	3.16	2.1505	-0.0319	5.2787	0.216	-0.0293	0.0211	0.2078
1547	10	9.92	3.1598	2.1505	-0.0319	5.2785	0.1811	0.0015	0.0231	0.2057
1548	9.99	10	3.161	2.1492	-0.0318	5.2784	0.1692	0.023	0.0249	0.2171
1549	10	10.1	3.1629	2.1481	-0.0318	5.2791	0.1537	0.0256	0.0258	0.2051
1550	9.79	10.1	3.1622	2.1484	-0.0319	5.2787	0.1806	-0.0056	0.0251	0.2001
1551	9.93	10.2	3.1611	2.1488	-0.0316	5.2782	0.2059	-0.0164	0.0247	0.2143
1552	10.6	10.3	3.1619	2.1479	-0.0314	5.2784	0.1998	-0.0119	0.0251	0.213
1553	10.4	10.3	3.1611	2.1475	-0.031	5.2776	0.1882	-0.0091	0.027	0.206
1554	9.91	10.3	3.1613	2.1478	-0.0308	5.2782	0.1811	-0.0125	0.027	0.1956
1555	10.6	10.3	3.1609	2.1485	-0.0307	5.2788	0.1784	-0.0211	0.0264	0.1837
1556	10.2	10.3	3.1609	2.1494	-0.0306	5.2798	0.1782	-0.0209	0.0248	0.1821
1557	10.9	10.4	3.1599	2.1505	-0.0305	5.28	0.1942	-0.022	0.024	0.1962
1558	10.7	10.5	3.1585	2.1511	-0.0305	5.2792	0.2153	-0.031	0.0249	0.2091
1559	11	10.5	3.1582	2.1515	-0.0306	5.2792	0.2075	-0.0275	0.024	0.204
1560	10.6	10.6	3.1576	2.1523	-0.0306	5.2793	0.2006	-0.0199	0.0197	0.2005
1561	10.6	10.7	3.1572	2.153	-0.0307	5.2795	0.2001	-0.0167	0.02	0.2034
1562	9.99	10.7	3.1575	2.1531	-0.0308	5.2798	0.1589	0.0139	0.0177	0.1905
1563	9.9	10.8	3.1573	2.1533	-0.0307	5.2799	0.1581	0.001	0.0143	0.1734
1564	10.6	10.8	3.1557	2.1534	-0.0309	5.2783	0.1493	0.0077	0.0153	0.1723
1565	10.7	10.9	3.1541	2.1539	-0.0309	5.2771	0.1471	0.0224	0.0127	0.1822
1566	10.7	10.9	3.1537	2.1528	-0.0309	5.2756	0.1531	0.0246	0.012	0.1897
1567	11.5	10.9	3.1541	2.1531	-0.031	5.2762	0.1547	0.0271	0.0109	0.1927
1568	11.3	10.9	3.1555	2.153	-0.031	5.2774	0.1535	0.0238	0.0108	0.1881
1569	11	11	3.1552	2.1527	-0.0313	5.2766	0.1713	0.0095	0.0127	0.1934
1570	11.2	11	3.1551	2.153	-0.0315	5.2766	0.1695	0.0171	0.0144	0.201
1571	11.5	11	3.1555	2.1524	-0.0316	5.2762	0.1723	0.012	0.016	0.2004
1572	11.4	11.1	3.1544	2.1525	-0.0317	5.2752	0.1771	-0.0065	0.0161	0.1867
1573	11.3	11.2	3.1534	2.1524	-0.0315	5.2743	0.1674	0.0102	0.0215	0.1991
1574	11.3	11.2	3.1522	2.1523	-0.0315	5.2729	0.1806	-0.0002	0.0267	0.2072
1575	11.1	11.2	3.1519	2.1515	-0.0318	5.2716	0.1652	0.0207	0.031	0.2169
1576	11.1	11.3	3.1519	2.1513	-0.032	5.2712	0.2086	0.0089	0.0357	0.2531
1577	11.3	11.2	3.1515	2.1516	-0.0322	5.2709	0.2326	0.004	0.0355	0.272
1578	11.9	11.2	3.1528	2.1509	-0.0322	5.2714	0.2859	-0.0287	0.0385	0.2957
1579	11.1	11.3	3.1519	2.1507	-0.0323	5.2703	0.2821	-0.0225	0.0406	0.3001
1580	10.9	11.2	3.1508	2.1507	-0.0325	5.269	0.2591	-0.0134	0.0422	0.2879
1581	11.4	11.2	3.146	2.1531	-0.0325	5.2666	0.2538	-0.0019	0.0408	0.2927
1582	10.8	11.1	3.1458	2.1533	-0.0328	5.2663	0.2431	0.0132	0.0423	0.2986

1583	11.6	11.1	3.1483	2.1505	-0.033	5.2658	0.2332	0.0159	0.0447	0.2938
1584	10.9	11	3.1474	2.1508	-0.033	5.2651	0.2196	0.0179	0.0464	0.2839
1585	11.3	11	3.1473	2.1509	-0.0331	5.2651	0.198	0.0293	0.045	0.2723
1586	11.3	11	3.1471	2.1502	-0.033	5.2643	0.1781	0.0356	0.0449	0.2586
1587	11.2	11	3.1462	2.1509	-0.033	5.2641	0.1811	0.0365	0.0432	0.2608
1588	11.2	10.9	3.1457	2.1517	-0.0329	5.2644	0.1638	0.0494	0.046	0.2592
1589	10.6	10.8	3.1455	2.152	-0.0328	5.2647	0.1386	0.0605	0.045	0.2442
1590	10.4	10.8	3.1458	2.1521	-0.0327	5.2652	0.1195	0.0711	0.0408	0.2314
1591	10.5	10.7	3.1465	2.1522	-0.0327	5.2661	0.1123	0.0746	0.0404	0.2272
1592	10.5	10.7	3.1464	2.1518	-0.0329	5.2653	0.111	0.0845	0.0398	0.2353
1593	10.4	10.7	3.1474	2.1513	-0.0331	5.2655	0.1014	0.0837	0.0386	0.2238
1594	10.8	10.7	3.1471	2.1506	-0.033	5.2647	0.0952	0.0821	0.0392	0.2165
1595	11.3	10.6	3.1478	2.1512	-0.033	5.266	0.0776	0.0903	0.0391	0.207
1596	10.7	10.6	3.1495	2.1499	-0.0332	5.2662	0.0566	0.0956	0.0333	0.1855
1597	9.95	10.5	3.1506	2.1476	-0.0333	5.265	0.0487	0.0933	0.0307	0.1726
1598	10.3	10.5	3.1514	2.1475	-0.0332	5.2657	0.0414	0.0972	0.031	0.1695
1599	10.1	10.5	3.1483	2.15	-0.0331	5.2651	0.0465	0.0857	0.0316	0.1638
1600	10.1	10.5	3.1458	2.1505	-0.0332	5.2631	0.0714	0.0677	0.0313	0.1703
1601	10.5	10.5	3.1467	2.1491	-0.0332	5.2626	0.0537	0.0826	0.0311	0.1674
1602	10.8	10.5	3.1481	2.1482	-0.0332	5.2631	0.0392	0.0847	0.0336	0.1576
1603	10.7	10.5	3.1486	2.1484	-0.0332	5.2638	0.046	0.0755	0.0349	0.1564
1604	10.3	10.5	3.1493	2.1488	-0.0332	5.2649	0.0445	0.0765	0.0379	0.1589
1605	10.2	10.5	3.1501	2.1488	-0.0332	5.2657	0.0395	0.0833	0.0394	0.1622
1606	10.3	10.5	3.1485	2.149	-0.0332	5.2643	0.0261	0.0944	0.0426	0.1632
1607	10.9	10.5	3.1468	2.1492	-0.0333	5.2627	0.0237	0.1054	0.0458	0.1749
1608	11	10.5	3.1478	2.1487	-0.0332	5.2633	0.0034	0.1169	0.0495	0.1699
1609	10.6	10.5	3.1476	2.1483	-0.0332	5.2628	-0.0069	0.1201	0.0531	0.1663
1610	10	10.6	3.1466	2.149	-0.0335	5.2621	-0.0115	0.126	0.0556	0.1701
1611	10.4	10.6	3.1485	2.1475	-0.0335	5.2625	-0.0176	0.1366	0.057	0.176
1612	11	10.6	3.1472	2.1486	-0.0335	5.2624	-0.0123	0.1437	0.0572	0.1886
1613	11	10.6	3.1473	2.1477	-0.0335	5.2615	0.0059	0.132	0.0577	0.1956
1614	10.5	10.6	3.1477	2.1464	-0.0335	5.2606	0.0002	0.134	0.0603	0.1946
1615	10.3	10.6	3.1474	2.1465	-0.0335	5.2604	-0.0262	0.1386	0.0585	0.1709
1616	10.3	10.7	3.1466	2.1467	-0.0336	5.2598	-0.056	0.1572	0.0571	0.1582
1617	10.7	10.7	3.1464	2.147	-0.0338	5.2596	-0.0826	0.1636	0.058	0.1389
1618	10.7	10.7	3.1458	2.1473	-0.034	5.2591	-0.0745	0.1446	0.057	0.1272
1619	11.2	10.7	3.1463	2.1462	-0.0341	5.2584	-0.0663	0.1498	0.0567	0.1402

1620	10.7	10.7	3.1461	2.1467	-0.0343	5.2585	-0.0522	0.1288	0.0537	0.1303
1621	10.4	10.8	3.1465	2.1472	-0.0345	5.2592	-0.0437	0.1155	0.0515	0.1233
1622	10.6	10.7	3.1484	2.1451	-0.0349	5.2586	-0.0484	0.1151	0.05	0.1168
1623	10.2	10.7	3.1479	2.1458	-0.035	5.2587	-0.0606	0.1079	0.0504	0.0977
1624	11.1	10.7	3.1498	2.1444	-0.0352	5.259	-0.095	0.1307	0.0523	0.088
1625	11	10.7	3.15	2.1444	-0.0352	5.2592	-0.1173	0.1354	0.053	0.0711
1626	10.8	10.7	3.1515	2.1432	-0.035	5.2596	-0.1035	0.0996	0.0496	0.0458
1627	11.1	10.6	3.1512	2.1439	-0.0351	5.26	-0.0819	0.074	0.0467	0.0387
1628	11.2	10.5	3.1524	2.1439	-0.0352	5.2612	-0.0681	0.0584	0.046	0.0364
1629	10.9	10.4	3.1542	2.1441	-0.0351	5.2632	-0.0705	0.0651	0.0484	0.043
1630	10.7	10.3	3.1546	2.1442	-0.0349	5.2639	-0.085	0.0637	0.0499	0.0285
1631	10.5	10.3	3.1558	2.1437	-0.0348	5.2647	-0.1285	0.0933	0.0481	0.0129
1632	10.1	10.3	3.1564	2.1436	-0.0349	5.2651	-0.1931	0.1231	0.048	-0.022
1633	10.5	10.2	3.1564	2.1441	-0.035	5.2655	-0.2151	0.1377	0.0428	-0.0346
1634	10.2	10.1	3.1569	2.1439	-0.035	5.2658	-0.2117	0.1282	0.0407	-0.0428
1635	9.79	10	3.157	2.144	-0.0351	5.2659	-0.2351	0.1482	0.0382	-0.0487
1636	9.56	9.95	3.1555	2.1443	-0.035	5.2648	-0.2375	0.1422	0.0356	-0.0597
1637	9.13	9.85	3.1549	2.1437	-0.0353	5.2633	-0.2345	0.1235	0.0373	-0.0736
1638	9.23	9.79	3.155	2.1432	-0.0353	5.263	-0.227	0.1051	0.0388	-0.0831
1639	9.56	9.72	3.1553	2.1434	-0.0353	5.2634	-0.2254	0.0984	0.04	-0.087
1640	9.51	9.68	3.1555	2.1429	-0.0353	5.2631	-0.2312	0.0985	0.0406	-0.0921
1641	9.66	9.66	3.1551	2.1417	-0.0355	5.2613	-0.2276	0.0968	0.0404	-0.0905
1642	9.35	9.64	3.1546	2.142	-0.0355	5.2611	-0.2191	0.1033	0.04	-0.0758
1643	9.43	9.62	3.1544	2.1418	-0.0355	5.2607	-0.2192	0.1048	0.0353	-0.0792
1644	9.15	9.62	3.1551	2.1413	-0.0355	5.2609	-0.2061	0.1057	0.034	-0.0664
1645	9.46	9.62	3.1555	2.141	-0.035	5.2615	-0.1967	0.1021	0.0368	-0.0578
1646	9.29	9.69	3.1552	2.1412	-0.0349	5.2614	-0.1686	0.0798	0.038	-0.0509
1647	9.95	9.74	3.1557	2.1408	-0.035	5.2615	-0.1607	0.0658	0.039	-0.056
1648	9.49	9.81	3.1564	2.1406	-0.0349	5.2621	-0.1468	0.0354	0.0393	-0.0721
1649	10.1	9.87	3.1557	2.1413	-0.0349	5.2621	-0.1499	0.0449	0.0414	-0.0636
1650	9.99	9.91	3.1569	2.1401	-0.035	5.262	-0.1736	0.0563	0.0432	-0.0741
1651	9.93	9.95	3.1572	2.1403	-0.035	5.2625	-0.2089	0.0659	0.0444	-0.0987
1652	9.96	10	3.1573	2.1404	-0.0349	5.2628	-0.2122	0.0595	0.0459	-0.1068
1653	10.2	10.1	3.1567	2.1399	-0.0348	5.2617	-0.2008	0.0484	0.048	-0.1044
1654	9.89	10.1	3.1573	2.1394	-0.0347	5.262	-0.1993	0.0457	0.049	-0.1046
1655	10.7	10.2	3.1583	2.1391	-0.0349	5.2624	-0.2105	0.0586	0.049	-0.1029
1656	10.1	10.2	3.1585	2.1389	-0.0352	5.2623	-0.233	0.0909	0.0497	-0.0923

1657	10.5	10.3	3.1596	2.1388	-0.0354	5.263	-0.2576	0.1086	0.05	-0.099
1658	10.7	10.3	3.1592	2.1391	-0.0358	5.2626	-0.2538	0.0911	0.0499	-0.1128
1659	10.4	10.3	3.1594	2.1389	-0.0362	5.2621	-0.2367	0.0794	0.0537	-0.1036
1660	10.4	10.4	3.1594	2.1386	-0.0363	5.2617	-0.2386	0.0697	0.0558	-0.1132
1661	10.5	10.4	3.1585	2.1386	-0.0364	5.2606	-0.2759	0.0954	0.052	-0.1284
1662	10.6	10.4	3.1569	2.1399	-0.0366	5.2602	-0.2846	0.1075	0.0516	-0.1254
1663	10.2	10.4	3.1573	2.1399	-0.0368	5.2604	-0.3209	0.1394	0.0477	-0.1338
1664	10.3	10.4	3.1584	2.1395	-0.0367	5.2612	-0.3594	0.1633	0.0451	-0.151
1665	10.7	10.3	3.1597	2.1382	-0.0366	5.2613	-0.3687	0.1532	0.0414	-0.1741
1666	10.4	10.4	3.162	2.1364	-0.0367	5.2617	-0.3732	0.1566	0.04	-0.1766
1667	10.2	10.3	3.1616	2.1386	-0.0367	5.2635	-0.3902	0.1718	0.0399	-0.1785
1668	10.6	10.3	3.1621	2.138	-0.0367	5.2634	-0.4051	0.188	0.0372	-0.18
1669	10.6	10.3	3.1605	2.1398	-0.0367	5.2636	-0.422	0.213	0.0332	-0.1759
1670	10.1	10.2	3.1595	2.1414	-0.0367	5.2642	-0.4164	0.2145	0.0319	-0.17
1671	10.8	10.2	3.1603	2.1408	-0.0366	5.2646	-0.4428	0.2515	0.0281	-0.1632
1672	10.2	10.2	3.1604	2.1417	-0.0367	5.2655	-0.4315	0.2617	0.0253	-0.1445
1673	9.59	10.1	3.1629	2.1394	-0.0367	5.2655	-0.3974	0.232	0.022	-0.1434
1674	9.8	10.1	3.1639	2.1387	-0.0368	5.2658	-0.4181	0.2609	0.0237	-0.1335
1675	10.3	10.1	3.1622	2.1416	-0.0367	5.2671	-0.4175	0.2707	0.024	-0.1228
1676	10.3	10	3.1601	2.1439	-0.0367	5.2673	-0.3559	0.2212	0.0245	-0.1102
1677	10.3	10	3.1583	2.1458	-0.0368	5.2672	-0.379	0.2472	0.0266	-0.1052
1678	9.37	9.98	3.1598	2.1444	-0.0371	5.2671	-0.3745	0.2554	0.0247	-0.0944
1679	9.83	9.96	3.1604	2.1443	-0.0373	5.2674	-0.3557	0.2649	0.025	-0.0658
1680	9.87	9.97	3.1636	2.1414	-0.0373	5.2677	-0.308	0.2543	0.0275	-0.0262
1681	9.7	9.93	3.1653	2.1408	-0.0373	5.2688	-0.2649	0.2332	0.029	-0.0027
1682	9.7	9.91	3.1673	2.1395	-0.0371	5.2697	-0.2049	0.2032	0.0326	0.0309
1683	10.3	9.93	3.1694	2.1377	-0.0371	5.2701	-0.1554	0.1701	0.0349	0.0496
1684	9.89	9.95	3.1709	2.1359	-0.0369	5.27	-0.1218	0.1517	0.0354	0.0654
1685	9.31	9.95	3.1711	2.1367	-0.0367	5.2711	-0.1224	0.175	0.038	0.0905
1686	9.76	10	3.1706	2.1378	-0.0367	5.2717	-0.0931	0.1658	0.0403	0.1131
1687	10	10	3.1689	2.1404	-0.0369	5.2724	-0.0764	0.1433	0.046	0.113
1688	10.3	10.1	3.1683	2.1418	-0.037	5.2731	-0.0559	0.1231	0.0449	0.1121
1689	10.2	10.1	3.1686	2.1421	-0.0368	5.2739	-0.0507	0.1172	0.044	0.1106
1690	9.99	10.1	3.1686	2.1424	-0.0367	5.2743	-0.0477	0.1117	0.0442	0.1083
1691	9.83	10.1	3.1684	2.1419	-0.0367	5.2736	-0.05	0.1031	0.0451	0.0982
1692	10	10.2	3.1683	2.1413	-0.0365	5.2732	-0.0924	0.1361	0.0402	0.0839
1693	10.2	10.2	3.168	2.1407	-0.0365	5.2722	-0.101	0.1408	0.0404	0.0803

1694	10.3	10.2	3.1668	2.1404	-0.0367	5.2705	-0.0943	0.1164	0.0357	0.0579
1695	11.2	10.3	3.1647	2.1432	-0.0368	5.2711	-0.0784	0.0857	0.0314	0.0387
1696	10.8	10.3	3.1656	2.1434	-0.0371	5.2718	-0.0946	0.0869	0.0346	0.0269
1697	10.2	10.3	3.1653	2.1441	-0.0372	5.2722	-0.1026	0.0739	0.0387	0.01
1698	10.5	10.2	3.1664	2.143	-0.0373	5.2721	-0.0974	0.0572	0.0405	0.0003
1699	10.1	10.2	3.1656	2.1443	-0.0375	5.2725	-0.0926	0.0538	0.0399	0.0011
1700	10.3	10.2	3.1667	2.1439	-0.0376	5.273	-0.1027	0.0591	0.0369	-0.0067
1701	10.5	10.2	3.168	2.1431	-0.0378	5.2733	-0.097	0.0458	0.0351	-0.0161
1702	10.3	10.2	3.1681	2.1434	-0.038	5.2736	-0.0893	0.0379	0.0366	-0.0147
1703	10.2	10.1	3.1686	2.1438	-0.0381	5.2743	-0.0838	0.0386	0.0389	-0.0063
1704	10.2	10.1	3.1704	2.1429	-0.0381	5.2752	-0.0477	0.0151	0.0401	0.0075
1705	10	10	3.1734	2.1397	-0.0382	5.2749	-0.0285	0.0096	0.0396	0.0207
1706	10.1	10	3.1742	2.1382	-0.0382	5.2742	-0.0148	0.0115	0.0368	0.0335
1707	9.69	10	3.1722	2.1401	-0.0383	5.274	-0.0137	0.0122	0.0374	0.0359
1708	9.79	9.96	3.1714	2.1408	-0.0386	5.2736	0.0285	-0.009	0.0348	0.0543
1709	9.66	9.94	3.1715	2.1414	-0.0388	5.2741	0.0344	-0.0111	0.0312	0.0546
1710	9.76	9.91	3.1742	2.1394	-0.0387	5.2749	0.0414	-0.0066	0.0286	0.0634
1711	9.25	9.89	3.177	2.1368	-0.0387	5.2751	0.0478	-0.0032	0.0299	0.0745
1712	9.68	9.84	3.1793	2.1347	-0.0383	5.2758	0.0438	-0.0015	0.0292	0.0715
1713	9.81	9.83	3.1832	2.1313	-0.038	5.2766	0.036	0.0104	0.0267	0.0731
1714	9.82	9.82	3.1846	2.1311	-0.0376	5.278	0.0464	0.0096	0.025	0.081
1715	10.1	9.84	3.1847	2.1308	-0.0375	5.2781	0.0622	0.0075	0.0259	0.0956
1716	10.2	9.82	3.1856	2.1296	-0.0375	5.2777	0.0731	-0.0026	0.0269	0.0974
1717	9.74	9.86	3.1869	2.1282	-0.0375	5.2776	0.1024	-0.0266	0.026	0.1018
1718	9.74	9.88	3.188	2.126	-0.0373	5.2767	0.0904	0.0008	0.0269	0.1181
1719	9.67	9.94	3.1879	2.1247	-0.0373	5.2754	0.1125	-0.0158	0.028	0.1247
1720	10.2	9.99	3.1904	2.1215	-0.0372	5.2748	0.1144	-0.0104	0.028	0.1321
1721	9.48	10	3.1897	2.121	-0.037	5.2737	0.0987	0.0212	0.0293	0.1491
1722	9.94	10.1	3.1882	2.1219	-0.0371	5.273	0.0907	0.0464	0.0298	0.1669
1723	10	10.2	3.1897	2.1198	-0.0374	5.2721	0.0969	0.0518	0.0304	0.1791
1724	10.4	10.2	3.1915	2.1174	-0.0376	5.2713	0.1278	0.0333	0.0315	0.1926
1725	9.77	10.3	3.1856	2.1222	-0.0376	5.2702	0.1609	0.0202	0.0317	0.2127
1726	10.4	10.4	3.1894	2.1184	-0.0377	5.2701	0.1369	0.0527	0.0332	0.2228
1727	10.1	10.5	3.1887	2.1183	-0.0376	5.2694	0.1262	0.0777	0.033	0.237
1728	10.8	10.6	3.188	2.1174	-0.0377	5.2678	0.1294	0.0911	0.0326	0.2531
1729	10.7	10.6	3.185	2.1187	-0.0378	5.2659	0.1475	0.0825	0.0326	0.2626
1730	10.4	10.7	3.1811	2.1209	-0.0378	5.2641	0.1459	0.0986	0.0306	0.2751

1731	10.7	10.8	3.1763	2.1234	-0.0381	5.2616	0.1649	0.0789	0.0293	0.273
1732	11.1	10.8	3.1719	2.1266	-0.0384	5.2601	0.1699	0.0766	0.029	0.2754
1733	11	10.9	3.1686	2.1289	-0.0385	5.2589	0.1632	0.0795	0.0301	0.2729
1734	12	10.9	3.1691	2.1264	-0.0388	5.2567	0.1663	0.0911	0.0303	0.2877
1735	11.7	11	3.1663	2.1274	-0.0391	5.2546	0.1867	0.0601	0.0334	0.2801
1736	10.7	11	3.1632	2.13	-0.0396	5.2535	0.2036	0.0509	0.0359	0.2904
1737	11.3	11	3.1605	2.1314	-0.0398	5.2521	0.1836	0.0766	0.035	0.2952
1738	10.9	11	3.1601	2.1315	-0.0397	5.2519	0.1551	0.1137	0.0356	0.3045
1739	11.2	11	3.1601	2.1322	-0.0397	5.2526	0.1693	0.0999	0.0356	0.3048
1740	11	11	3.1605	2.1326	-0.0398	5.2533	0.1859	0.0803	0.0346	0.3007
1741	11	11	3.1644	2.1281	-0.0395	5.253	0.1773	0.0874	0.0356	0.3004
1742	11.2	10.9	3.1647	2.1279	-0.0395	5.2531	0.1637	0.0872	0.036	0.2869
1743	10.8	10.9	3.1638	2.1302	-0.0391	5.2549	0.1454	0.091	0.0383	0.2747
1744	10.9	10.8	3.1629	2.1327	-0.0386	5.257	0.1404	0.0802	0.0388	0.2594
1745	11.1	10.8	3.165	2.1323	-0.0385	5.2588	0.1533	0.0567	0.0379	0.2479
1746	10.8	10.8	3.1654	2.1338	-0.0388	5.2604	0.1408	0.0798	0.0378	0.2584
1747	10.5	10.7	3.1654	2.1351	-0.0391	5.2615	0.1505	0.0903	0.0384	0.2791
1748	10.3	10.7	3.1656	2.1352	-0.0389	5.2619	0.1508	0.1117	0.0397	0.3022
1749	10.3	10.7	3.166	2.1354	-0.0386	5.2628	0.1821	0.0879	0.0398	0.3097
1750	10.1	10.7	3.1666	2.1355	-0.0385	5.2636	0.1613	0.1325	0.0396	0.3333
1751	10.5	10.7	3.1661	2.1365	-0.0387	5.264	0.1555	0.1476	0.0396	0.3428
1752	10.4	10.7	3.1656	2.1365	-0.0388	5.2634	0.1695	0.1413	0.0385	0.3493
1753	10.8	10.7	3.1614	2.1383	-0.0388	5.261	0.1732	0.1454	0.0367	0.3553
1754	10.7	10.7	3.1602	2.1385	-0.0387	5.2599	0.1793	0.1513	0.0361	0.3667
1755	10.6	10.7	3.1598	2.1379	-0.0386	5.2591	0.2002	0.1436	0.0365	0.3802
1756	10.6	10.7	3.1599	2.1377	-0.0389	5.2587	0.2341	0.1105	0.0361	0.3808
1757	10.6	10.7	3.1567	2.1397	-0.0389	5.2576	0.2454	0.0959	0.0362	0.3775
1758	11.1	10.8	3.1558	2.1402	-0.0389	5.2571	0.2262	0.1175	0.0357	0.3794
1759	11.2	10.8	3.1552	2.1396	-0.039	5.2558	0.2203	0.1262	0.033	0.3795
1760	10.8	10.9	3.1546	2.1389	-0.0393	5.2543	0.2233	0.1343	0.0309	0.3884
1761	10.8	10.9	3.1541	2.1388	-0.0393	5.2535	0.2557	0.114	0.0322	0.4019
1762	10.9	10.9	3.1533	2.1389	-0.0392	5.2529	0.2898	0.0854	0.033	0.4082
1763	10.8	11	3.1526	2.139	-0.0393	5.2523	0.3201	0.0631	0.0379	0.421
1764	11.2	11.1	3.1521	2.1388	-0.0393	5.2516	0.3685	0.0252	0.0412	0.4349
1765	10.7	11.1	3.1524	2.1385	-0.0393	5.2516	0.3882	0.0229	0.046	0.4571
1766	11	11.1	3.1517	2.1391	-0.0393	5.2515	0.3949	0.0196	0.0482	0.4627
1767	11.3	11.2	3.1525	2.1386	-0.0394	5.2517	0.4104	0.0049	0.0483	0.4636

1768	11.3	11.2	3.1509	2.1396	-0.0395	5.2509	0.4303	-0.0115	0.0494	0.4682
1769	11.5	11.2	3.149	2.1408	-0.0395	5.2504	0.4487	-0.0389	0.0527	0.4624
1770	10.8	11.3	3.1496	2.1393	-0.0396	5.2493	0.4537	-0.0545	0.0535	0.4528
1771	11	11.3	3.1513	2.1362	-0.0396	5.2479	0.4901	-0.0951	0.0556	0.4506
1772	11.8	11.3	3.1507	2.1366	-0.0397	5.2475	0.4874	-0.1032	0.058	0.4422
1773	12.1	11.4	3.1501	2.136	-0.0399	5.2462	0.4743	-0.0932	0.0579	0.4389
1774	11.4	11.3	3.1478	2.1367	-0.04	5.2445	0.5001	-0.1221	0.0548	0.4328
1775	11.4	11.4	3.1485	2.1363	-0.0401	5.2448	0.5309	-0.1552	0.0526	0.4284
1776	11.4	11.4	3.1475	2.1362	-0.04	5.2436	0.4586	-0.0923	0.0532	0.4196
1777	11.6	11.4	3.1453	2.1367	-0.0401	5.2419	0.5161	-0.1447	0.0529	0.4242
1778	11.5	11.4	3.145	2.1362	-0.0403	5.2409	0.5139	-0.1484	0.0548	0.4203
1779	11.9	11.4	3.1458	2.1345	-0.0403	5.2399	0.5116	-0.1628	0.0548	0.4036
1780	11.8	11.4	3.1471	2.1335	-0.0402	5.2404	0.4762	-0.1477	0.0535	0.382
1781	10.9	11.4	3.1483	2.1331	-0.0402	5.2413	0.4273	-0.118	0.0537	0.3629
1782	11.6	11.4	3.151	2.1315	-0.0401	5.2424	0.3645	-0.084	0.0508	0.3313
1783	10.6	11.3	3.1528	2.1286	-0.0401	5.2413	0.3051	-0.0379	0.0477	0.3149
1784	11.5	11.2	3.1523	2.1299	-0.0402	5.242	0.2593	-0.0036	0.0459	0.3017
1785	11.2	11.1	3.1507	2.1316	-0.0403	5.242	0.2723	-0.0422	0.0424	0.2724
1786	11.1	11.1	3.1522	2.1302	-0.0402	5.2422	0.2328	-0.0271	0.0381	0.2438
1787	10.9	11.1	3.1534	2.1291	-0.0404	5.242	0.1875	0.0126	0.0312	0.2313
1788	11.4	11	3.1514	2.1318	-0.0405	5.2427	0.1479	0.0352	0.0288	0.2118
1789	11.1	11	3.15	2.1341	-0.0403	5.2438	0.144	0.0378	0.0306	0.2124
1790	11.2	10.9	3.1509	2.1337	-0.0403	5.2442	0.1463	0.0501	0.0311	0.2275
1791	11.1	10.8	3.152	2.1332	-0.0403	5.2449	0.1546	0.0574	0.0304	0.2424
1792	10.6	10.8	3.1538	2.1322	-0.0403	5.2457	0.2235	-0.0178	0.0353	0.241
1793	10.2	10.7	3.1539	2.1327	-0.0404	5.2462	0.2324	-0.0213	0.0361	0.2471
1794	10.1	10.7	3.1515	2.1347	-0.0405	5.2457	0.2216	0.0175	0.0446	0.2837
1795	10.7	10.6	3.1506	2.1352	-0.0406	5.2453	0.21	0.0631	0.0537	0.3267
1796	11	10.5	3.1505	2.1343	-0.0409	5.2439	0.2513	0.0573	0.0567	0.3653
1797	10.8	10.5	3.1502	2.1329	-0.0412	5.242	0.2636	0.086	0.052	0.4016
1798	10.4	10.6	3.1482	2.1342	-0.0413	5.2411	0.2689	0.1122	0.048	0.4291
1799	10.3	10.3	3.1495	2.1311	-0.0414	5.2392	0.2781	0.1167	0.0516	0.4464
1800	10.2	10.2	3.1512	2.1292	-0.0416	5.2387	0.2909	0.1218	0.0589	0.4716