

**Table S1.** Artificial Excitations.

Time (s)	Acceleration (g)					
	5% Damping			2% damping		
	Set#1a	Set#1b	Set#2	Set#1a	Set#1b	Set#2
0	0	0	0	0	0	0
0.005	0.00001	0	0	0	0	0
0.01	0.00003	0	-1.5E-05	-0.00003	0	-0.00004
0.015	0.0001	0	-4.5E-05	-0.00013	-0.00003	-0.0002
0.02	0.00027	0	-0.00017	-0.00043	-0.0001	-0.00071
0.025	0.0006	-0.00001	-0.00047	-0.00104	-0.0003	-0.00191
0.03	0.00114	0	-0.00102	-0.00205	-0.00069	-0.00409
0.035	0.00193	0.00001	-0.00194	-0.00345	-0.00138	-0.00734
0.04	0.003	0.00007	-0.00326	-0.00512	-0.0024	-0.01139
0.045	0.00431	0.00018	-0.005	-0.00686	-0.00377	-0.01556
0.05	0.00582	0.00037	-0.00713	-0.00847	-0.00541	-0.01893
0.055	0.00745	0.00068	-0.00947	-0.00978	-0.00718	-0.0205
0.06	0.00912	0.0011	-0.01188	-0.01075	-0.00888	-0.01952
0.065	0.01071	0.00163	-0.01412	-0.01143	-0.0103	-0.0157
0.07	0.01214	0.00224	-0.01595	-0.01198	-0.01122	-0.00932
0.075	0.01331	0.00289	-0.01715	-0.01259	-0.01147	-0.00121
0.08	0.01416	0.00351	-0.01752	-0.01338	-0.01098	0.00739
0.085	0.01465	0.00405	-0.01697	-0.01442	-0.00976	0.01513
0.09	0.01478	0.00443	-0.01547	-0.0156	-0.00793	0.02078
0.095	0.01455	0.00461	-0.01304	-0.01674	-0.00568	0.02356
0.1	0.01401	0.00457	-0.0098	-0.01761	-0.00326	0.02324
0.105	0.01321	0.00432	-0.00597	-0.01804	-0.00092	0.02019
0.11	0.01222	0.0039	-0.00177	-0.01792	0.00109	0.01526
0.115	0.01112	0.00338	0.002565	-0.01728	0.00259	0.00957
0.12	0.00997	0.00285	0.006795	-0.01626	0.00349	0.00426
0.125	0.00881	0.00239	0.010695	-0.01505	0.00377	0.00024
0.13	0.00768	0.00205	0.014145	-0.01381	0.00353	-0.002
0.135	0.00656	0.00184	0.017025	-0.01265	0.00291	-0.00243
0.14	0.00546	0.00174	0.01932	-0.01157	0.00213	-0.00143
0.145	0.00436	0.00172	0.021045	-0.01053	0.00139	0.00037
0.15	0.00326	0.00171	0.022305	-0.00944	0.0009	0.00226
0.155	0.00217	0.00166	0.02319	-0.00828	0.00081	0.00369
0.16	0.00111	0.00154	0.02379	-0.00704	0.00119	0.00436
0.165	0.00016	0.00138	0.024195	-0.0058	0.00205	0.00432
0.17	-0.00064	0.00123	0.024465	-0.00468	0.00332	0.00389
0.175	-0.00123	0.00116	0.024585	-0.00382	0.00486	0.00358
0.18	-0.00156	0.00123	0.02451	-0.00331	0.00649	0.00386
0.185	-0.00161	0.00149	0.02415	-0.00321	0.00804	0.00506
0.19	-0.0014	0.00193	0.023355	-0.00351	0.00934	0.00725
0.195	-0.00096	0.00252	0.022035	-0.00413	0.01026	0.01019
0.2	-0.00033	0.00317	0.020085	-0.00491	0.01076	0.0134
0.205	0.00043	0.00381	0.017415	-0.00559	0.01083	0.01629
0.21	0.00126	0.00437	0.014055	-0.00589	0.01054	0.01827
0.215	0.00213	0.00483	0.010065	-0.00551	0.01001	0.0189
0.22	0.003	0.00521	0.00558	-0.00425	0.00938	0.01803
0.225	0.00384	0.00554	0.00078	-0.00212	0.00878	0.01577
0.23	0.00461	0.00589	-0.0041	0.00064	0.00833	0.01251
0.235	0.00522	0.00626	-0.00878	0.00347	0.0081	0.00875
0.24	0.00554	0.00664	-0.01305	0.00567	0.00814	0.00505
0.245	0.00542	0.00691	-0.01665	0.0066	0.0084	0.00186
0.25	0.00465	0.00687	-0.0194	0.00592	0.00883	-0.00052
0.255	0.00305	0.00631	-0.02111	0.00372	0.00933	-0.00202
0.26	0.0005	0.00502	-0.02174	0.00052	0.00977	-0.00271
0.265	-0.00304	0.00286	-0.02124	-0.00292	0.01007	-0.00278
0.27	-0.00749	-0.00017	-0.0197	-0.00587	0.01011	-0.00244
0.275	-0.01265	-0.00392	-0.01727	-0.00788	0.00984	-0.00185
0.28	-0.01823	-0.0081	-0.01415	-0.00889	0.00924	-0.00111
0.285	-0.02392	-0.01233	-0.01062	-0.0092	0.00834	-0.00022
0.29	-0.02936	-0.01619	-0.00702	-0.00928	0.0072	0.0008
0.295	-0.03427	-0.01936	-0.00368	-0.00958	0.00589	0.0019
0.3	-0.03843	-0.02163	-0.0009	-0.01029	0.00453	0.00292
0.305	-0.04171	-0.02295	0.001005	-0.01131	0.0032	0.00361
0.31	-0.04408	-0.02339	0.001875	-0.01231	0.002	0.00364

0.315	-0.04557	-0.02317	0.00162	-0.01289	0.00099	0.00264
0.32	-0.04631	-0.02253	0.000285	-0.01278	0.0002	0.00039
0.325	-0.04643	-0.0217	-0.00198	-0.01192	-0.00035	-0.00318
0.33	-0.0461	-0.02084	-0.00488	-0.01056	-0.00066	-0.00783
0.335	-0.0455	-0.02006	-0.008	-0.00907	-0.00073	-0.01309
0.34	-0.04475	-0.01939	-0.01095	-0.0079	-0.0006	-0.01827
0.345	-0.04398	-0.0188	-0.01331	-0.0074	-0.00028	-0.02265
0.35	-0.04323	-0.01826	-0.01469	-0.00775	0.0002	-0.02559
0.355	-0.0425	-0.0177	-0.01485	-0.00897	0.00079	-0.02676
0.36	-0.04175	-0.01709	-0.01367	-0.01096	0.00143	-0.02619
0.365	-0.04086	-0.01638	-0.01115	-0.01357	0.00205	-0.02432
0.37	-0.03974	-0.01552	-0.00749	-0.01661	0.00255	-0.0219
0.375	-0.03827	-0.01448	-0.00296	-0.01988	0.00285	-0.01975
0.38	-0.03637	-0.01324	0.002055	-0.02307	0.00284	-0.01859
0.385	-0.03398	-0.01175	0.007155	-0.02575	0.00246	-0.01884
0.39	-0.03109	-0.01001	0.01197	-0.02738	0.00168	-0.02045
0.395	-0.02774	-0.00802	0.016215	-0.02743	0.00051	-0.02295
0.4	-0.02403	-0.0058	0.01965	-0.02548	-0.00097	-0.02552
0.405	-0.0201	-0.00339	0.0222	-0.02145	-0.00266	-0.02724
0.41	-0.01616	-0.0009	0.023865	-0.01571	-0.00441	-0.02727
0.415	-0.01249	0.00152	0.024705	-0.00899	-0.00609	-0.02512
0.42	-0.00938	0.00367	0.024855	-0.0023	-0.00757	-0.02078
0.425	-0.00715	0.00527	0.024435	0.00339	-0.00875	-0.01472
0.43	-0.00606	0.00606	0.02358	0.00746	-0.00958	-0.00778
0.435	-0.00623	0.00583	0.02238	0.00986	-0.01006	-0.00097
0.44	-0.00763	0.00447	0.02091	0.01116	-0.01025	0.0048
0.445	-0.01009	0.00207	0.019215	0.01237	-0.01023	0.00893
0.45	-0.0133	-0.00113	0.017325	0.01459	-0.01008	0.01133
0.455	-0.01691	-0.00476	0.015255	0.01858	-0.00991	0.01234
0.46	-0.02057	-0.00841	0.01308	0.02441	-0.00978	0.01268
0.465	-0.02396	-0.01172	0.01083	0.03139	-0.00972	0.01314
0.47	-0.02684	-0.01444	0.008565	0.03825	-0.00973	0.01434
0.475	-0.02902	-0.01647	0.006345	0.04356	-0.00977	0.01654
0.48	-0.03032	-0.01781	0.004155	0.04626	-0.00978	0.01953
0.485	-0.03056	-0.01851	0.001995	0.046	-0.00967	0.02269
0.49	-0.02956	-0.0186	-0.00023	0.04326	-0.00938	0.02514
0.495	-0.02713	-0.018	-0.00263	0.0392	-0.00886	0.02599
0.5	-0.02314	-0.01658	-0.0053	0.03529	-0.00808	0.02456
0.505	-0.01754	-0.01413	-0.00839	0.0328	-0.00709	0.02055
0.51	-0.01041	-0.01047	-0.01196	0.03247	-0.00594	0.01404
0.515	-0.00198	-0.00556	-0.01605	0.03429	-0.00474	0.00548
0.52	0.00736	0.00043	-0.0206	0.03763	-0.00361	-0.0045
0.525	0.01706	0.00713	-0.02549	0.04145	-0.00266	-0.01517
0.53	0.0265	0.01395	-0.0305	0.04467	-0.002	-0.02582
0.535	0.03506	0.02017	-0.03537	0.04651	-0.00169	-0.03577
0.54	0.04215	0.02511	-0.03978	0.04662	-0.00179	-0.04436
0.545	0.04735	0.0282	-0.04337	0.0451	-0.00228	-0.05094
0.55	0.05042	0.02911	-0.04575	0.04235	-0.00315	-0.05488
0.555	0.05134	0.02786	-0.04656	0.0389	-0.00435	-0.05564
0.56	0.05031	0.02476	-0.04545	0.03518	-0.00582	-0.05286
0.565	0.0477	0.02036	-0.04217	0.03149	-0.00746	-0.04651
0.57	0.04404	0.01537	-0.03653	0.02799	-0.00921	-0.03693
0.575	0.03986	0.0105	-0.02855	0.02481	-0.01098	-0.02486
0.58	0.03574	0.00635	-0.01841	0.02218	-0.01269	-0.01139
0.585	0.03215	0.00333	-0.00642	0.02046	-0.01427	0.00221
0.59	0.02951	0.00163	0.006825	0.02008	-0.01564	0.01465
0.595	0.02811	0.00124	0.02064	0.02143	-0.01672	0.02483
0.6	0.02814	0.00207	0.03423	0.02464	-0.01743	0.03196
0.605	0.02964	0.00395	0.046755	0.02941	-0.01767	0.0357
0.61	0.03253	0.00675	0.05742	0.03492	-0.01735	0.03611
0.615	0.03654	0.01031	0.065505	0.03996	-0.01637	0.03363
0.62	0.04125	0.01446	0.070455	0.04315	-0.01465	0.02899
0.625	0.04608	0.01891	0.071985	0.04331	-0.01216	0.02308
0.63	0.05033	0.02326	0.070005	0.03979	-0.00894	0.0168
0.635	0.05334	0.02697	0.064755	0.03276	-0.00506	0.01103
0.64	0.05453	0.02942	0.056685	0.02322	-0.00072	0.00647

0.645	0.05361	0.03011	0.0465	0.01283	0.00386	0.0036
0.65	0.05059	0.02875	0.035025	0.00353	0.00837	0.00266
0.655	0.04579	0.02538	0.023205	-0.00302	0.01254	0.00366
0.66	0.03977	0.02044	0.01197	-0.00584	0.01607	0.00638
0.665	0.03317	0.01464	0.00216	-0.00495	0.01875	0.01041
0.67	0.02664	0.00881	-0.00554	-0.00139	0.02044	0.01523
0.675	0.02069	0.00373	-0.01068	0.0031	0.02112	0.02023
0.68	0.01565	-0.00005	-0.01305	0.00654	0.02085	0.02479
0.685	0.01168	-0.0023	-0.01274	0.00734	0.01982	0.02837
0.69	0.00875	-0.00316	-0.01007	0.00471	0.01829	0.03058
0.695	0.00674	-0.00298	-0.0056	-0.00114	0.01654	0.03123
0.7	0.00545	-0.00225	-7.5E-05	-0.00912	0.01489	0.03039
0.705	0.00466	-0.00143	0.005655	-0.01763	0.01361	0.02838
0.71	0.00416	-0.00083	0.010755	-0.02503	0.0129	0.02572
0.715	0.00377	-0.00059	0.01449	-0.03008	0.01284	0.02299
0.72	0.00333	-0.00067	0.016245	-0.03217	0.01342	0.02076
0.725	0.00272	-0.00094	0.01566	-0.03135	0.01449	0.01937
0.73	0.0018	-0.00122	0.012615	-0.02813	0.01578	0.01893
0.735	0.00044	-0.00146	0.007305	-0.02315	0.01699	0.01925
0.74	-0.00148	-0.0017	0.000075	-0.01697	0.01777	0.01988
0.745	-0.00412	-0.00215	-0.00846	-0.00989	0.01782	0.02026
0.75	-0.00759	-0.00312	-0.01763	-0.00203	0.01692	0.01986
0.755	-0.01196	-0.00492	-0.02669	0.00649	0.01498	0.01831
0.76	-0.01721	-0.00782	-0.035	0.0154	0.01206	0.01554
0.765	-0.02318	-0.01186	-0.04199	0.02409	0.00834	0.01178
0.77	-0.02956	-0.01684	-0.04728	0.03172	0.00413	0.00753
0.775	-0.03589	-0.02231	-0.05069	0.0374	-0.00019	0.00338
0.78	-0.04162	-0.02756	-0.0522	0.04048	-0.00422	-0.0001
0.785	-0.04614	-0.03181	-0.05199	0.0408	-0.00764	-0.00259
0.79	-0.04895	-0.03434	-0.05036	0.03883	-0.01017	-0.00403
0.795	-0.04971	-0.03466	-0.04769	0.03556	-0.0117	-0.00469
0.8	-0.04835	-0.03264	-0.04434	0.03229	-0.01219	-0.00503
0.805	-0.04508	-0.02862	-0.04073	0.03025	-0.01175	-0.00556
0.81	-0.04035	-0.0233	-0.03719	0.03036	-0.01058	-0.00667
0.815	-0.03479	-0.01768	-0.03395	0.03303	-0.00895	-0.00846
0.82	-0.02907	-0.0128	-0.03119	0.03817	-0.00713	-0.01078
0.825	-0.02374	-0.0095	-0.02897	0.04529	-0.00542	-0.01321
0.83	-0.01911	-0.00824	-0.02729	0.05363	-0.00408	-0.01521
0.835	-0.01517	-0.00893	-0.02604	0.06216	-0.00329	-0.01627
0.84	-0.01157	-0.01096	-0.02502	0.0696	-0.00318	-0.01604
0.845	-0.00771	-0.01327	-0.02402	0.07442	-0.00377	-0.0144
0.85	-0.00282	-0.01465	-0.02273	0.0749	-0.00503	-0.01144
0.855	0.00385	-0.01395	-0.02093	0.06946	-0.00682	-0.00735
0.86	0.01285	-0.01035	-0.01836	0.05719	-0.00898	-0.00238
0.865	0.02443	-0.00357	-0.01494	0.03855	-0.01135	0.00329
0.87	0.03842	0.00605	-0.01065	0.0156	-0.01375	0.00958
0.875	0.05421	0.01763	-0.00563	-0.00831	-0.01603	0.01638
0.88	0.07083	0.0299	-0.00009	-0.02935	-0.0181	0.02358
0.885	0.08708	0.04146	0.005625	-0.04437	-0.01989	0.03093
0.89	0.10168	0.05102	0.011205	-0.05183	-0.02136	0.03806
0.895	0.11344	0.05764	0.016275	-0.05232	-0.02247	0.04451
0.9	0.12144	0.06085	0.02061	-0.04826	-0.02318	0.04983
0.905	0.12508	0.06071	0.023985	-0.04308	-0.02343	0.05364
0.91	0.12422	0.05767	0.02628	-0.04003	-0.02316	0.05577
0.915	0.11912	0.05251	0.02745	-0.04121	-0.02229	0.05623
0.92	0.1104	0.04611	0.027525	-0.04706	-0.02074	0.05523
0.925	0.09898	0.03926	0.026535	-0.05636	-0.01848	0.05308
0.93	0.08592	0.03262	0.02454	-0.0668	-0.0155	0.05006
0.935	0.07232	0.02661	0.021615	-0.07571	-0.01189	0.04636
0.94	0.05919	0.02141	0.01779	-0.08078	-0.00778	0.04197
0.945	0.04732	0.01704	0.01311	-0.08056	-0.0034	0.03668
0.95	0.03723	0.01341	0.007605	-0.07464	0.00099	0.03016
0.955	0.02913	0.01038	0.00132	-0.06366	0.00509	0.02203
0.96	0.02291	0.00781	-0.00573	-0.04913	0.00858	0.01204
0.965	0.01823	0.00553	-0.01349	-0.03323	0.01119	0.0002
0.97	0.01462	0.00343	-0.0219	-0.01839	0.01269	-0.0131

0.975	0.01157	0.00141	-0.03087	-0.00693	0.01297	-0.0271
0.98	0.00867	-0.00062	-0.04029	-0.00054	0.01199	-0.04072
0.985	0.00567	-0.00267	-0.05003	0.00021	0.00984	-0.05273
0.99	0.00258	-0.00467	-0.05988	-0.00385	0.00672	-0.06198
0.995	-0.0004	-0.00647	-0.06966	-0.01059	0.00289	-0.06763
1	-0.00286	-0.00783	-0.07913	-0.01707	-0.00128	-0.06935
1.005	-0.00438	-0.0085	-0.08798	-0.02044	-0.00542	-0.06741
1.01	-0.00453	-0.0082	-0.09593	-0.01879	-0.00912	-0.06266
1.015	-0.00308	-0.00679	-0.10262	-0.01194	-0.01201	-0.05631
1.02	-0.00003	-0.00428	-0.10775	-0.00143	-0.01378	-0.04972
1.025	0.00434	-0.00086	-0.11096	0.0099	-0.0142	-0.04409
1.03	0.00952	0.00305	-0.11198	0.01896	-0.01316	-0.04018
1.035	0.01483	0.00694	-0.1106	0.02352	-0.01071	-0.03823
1.04	0.01952	0.01023	-0.10671	0.0229	-0.00703	-0.03791
1.045	0.02297	0.01246	-0.10034	0.01805	-0.00246	-0.03849
1.05	0.02479	0.01335	-0.09171	0.0109	0.00255	-0.0391
1.055	0.02489	0.01294	-0.08117	0.00337	0.00749	-0.03901
1.06	0.0235	0.01153	-0.06927	-0.00363	0.01183	-0.03788
1.065	0.02112	0.00968	-0.05666	-0.01058	0.01514	-0.03586
1.07	0.01829	0.008	-0.04406	-0.01886	0.01709	-0.03361
1.075	0.01544	0.00701	-0.03218	-0.0297	0.01754	-0.03208
1.08	0.01263	0.00691	-0.02163	-0.04313	0.01649	-0.0323
1.085	0.00958	0.00749	-0.01283	-0.05766	0.01415	-0.03504
1.09	0.00571	0.00812	-0.00605	-0.07062	0.01085	-0.04059
1.095	0.00038	0.00792	-0.00132	-0.07921	0.00699	-0.04864
1.1	-0.00688	0.00604	0.0015	-0.08161	0.00303	-0.05827
1.105	-0.01613	0.00194	0.002655	-0.07774	-0.00063	-0.06814
1.11	-0.02694	-0.00434	0.002505	-0.06915	-0.00363	-0.07673
1.115	-0.03843	-0.01213	0.001395	-0.05835	-0.00573	-0.08268
1.12	-0.04944	-0.02021	-0.00036	-0.04776	-0.00678	-0.08506
1.125	-0.05875	-0.02712	-0.00248	-0.03881	-0.00676	-0.0835
1.13	-0.06539	-0.03151	-0.00476	-0.03169	-0.00573	-0.07824
1.135	-0.06882	-0.03256	-0.00704	-0.02561	-0.00385	-0.07006
1.14	-0.06904	-0.03019	-0.00921	-0.01952	-0.0013	-0.06002
1.145	-0.06654	-0.02509	-0.01118	-0.01282	0.00171	-0.04922
1.15	-0.0622	-0.01857	-0.01283	-0.00578	0.00497	-0.03864
1.155	-0.05707	-0.01219	-0.01397	0.00062	0.00832	-0.02889
1.16	-0.05215	-0.00737	-0.01443	0.00514	0.01165	-0.02027
1.165	-0.04824	-0.00506	-0.01397	0.00696	0.01489	-0.01277
1.17	-0.04581	-0.00549	-0.01235	0.0061	0.018	-0.00622
1.175	-0.04498	-0.00817	-0.00935	0.00349	0.02097	-0.00038
1.18	-0.04557	-0.01211	-0.00479	0.00062	0.02382	0.00491
1.185	-0.04718	-0.01612	0.001425	-0.00105	0.02651	0.00971
1.19	-0.04931	-0.01912	0.00924	-0.00053	0.02899	0.01395
1.195	-0.05146	-0.02044	0.01854	0.00231	0.03117	0.01752
1.2	-0.05318	-0.01995	0.02907	0.0069	0.03293	0.02031
1.205	-0.05416	-0.018	0.040455	0.01218	0.03413	0.02229
1.21	-0.0542	-0.01529	0.05223	0.01707	0.03461	0.02356
1.215	-0.05322	-0.01261	0.063915	0.02069	0.03425	0.02432
1.22	-0.05122	-0.01056	0.075	0.02256	0.03297	0.02487
1.225	-0.04829	-0.00943	0.084945	0.02252	0.03076	0.0255
1.23	-0.04456	-0.00908	0.093345	0.02067	0.0277	0.02641
1.235	-0.04019	-0.00907	0.099825	0.01725	0.02394	0.02765
1.24	-0.03537	-0.00879	0.10416	0.0127	0.01972	0.02905
1.245	-0.03036	-0.00768	0.106275	0.00762	0.01536	0.03026
1.25	-0.02539	-0.00541	0.106215	0.00283	0.01117	0.03081
1.255	-0.02076	-0.00201	0.104235	-0.00088	0.00749	0.03026
1.26	-0.01674	0.00211	0.100665	-0.00291	0.00458	0.02836
1.265	-0.01358	0.00628	0.095985	-0.00321	0.00265	0.02513
1.27	-0.01146	0.00971	0.09066	-0.00239	0.00178	0.02097
1.275	-0.01045	0.01172	0.0852	-0.00159	0.00193	0.0166
1.28	-0.0105	0.0119	0.080055	-0.00199	0.00297	0.01292
1.285	-0.01144	0.01023	0.075555	-0.00422	0.00467	0.01078
1.29	-0.01296	0.00708	0.071895	-0.00793	0.00674	0.01079
1.295	-0.01467	0.00316	0.069135	-0.0118	0.0089	0.01312
1.3	-0.01613	-0.00068	0.067185	-0.01396	0.01086	0.01746

1.305	-0.01691	-0.00359	0.06582	-0.01268	0.01238	0.02305
1.31	-0.01663	-0.00493	0.064755	-0.00708	0.01327	0.02886
1.315	-0.01502	-0.00435	0.063675	0.00247	0.01341	0.03382
1.32	-0.01193	-0.00186	0.062265	0.01441	0.01272	0.0371
1.325	-0.00744	0.00218	0.060285	0.02649	0.01116	0.03823
1.33	-0.00181	0.00718	0.05766	0.03652	0.00876	0.03724
1.335	0.00453	0.01241	0.05439	0.04309	0.00552	0.03466
1.34	0.01098	0.01713	0.05067	0.046	0.00152	0.03135
1.345	0.01689	0.02073	0.046785	0.04622	-0.00315	0.02838
1.35	0.02163	0.02278	0.043125	0.04553	-0.00834	0.02679
1.355	0.02472	0.0231	0.040095	0.04581	-0.01386	0.02741
1.36	0.02591	0.02178	0.0381	0.0484	-0.01943	0.0307
1.365	0.02519	0.01916	0.037425	0.05354	-0.02475	0.03667
1.37	0.02288	0.01576	0.038175	0.06029	-0.02948	0.04484
1.375	0.0195	0.01223	0.040335	0.06676	-0.03328	0.0543
1.38	0.01571	0.00922	0.04368	0.07069	-0.03586	0.06385
1.385	0.01216	0.00727	0.047865	0.0701	-0.03701	0.07213
1.39	0.00936	0.00671	0.05238	0.064	-0.03663	0.07792
1.395	0.00761	0.00761	0.056745	0.05266	-0.03478	0.08031
1.4	0.00693	0.00971	0.060465	0.0377	-0.03163	0.07888
1.405	0.00707	0.01251	0.063135	0.02162	-0.02751	0.07377
1.41	0.00755	0.01537	0.06447	0.00715	-0.02282	0.06565
1.415	0.00783	0.01762	0.064395	-0.00346	-0.01802	0.05556
1.42	0.00734	0.0187	0.062955	-0.00904	-0.01357	0.04474
1.425	0.00562	0.01831	0.060345	-0.00972	-0.00983	0.03431
1.43	0.00234	0.01639	0.05691	-0.0067	-0.0071	0.02513
1.435	-0.00263	0.01316	0.053025	-0.00177	-0.0055	0.01761
1.44	-0.00927	0.00897	0.049065	0.0034	-0.00503	0.0117
1.445	-0.01737	0.00425	0.045345	0.00779	-0.00555	0.007
1.45	-0.02662	-0.00061	0.04209	0.01129	-0.00679	0.00287
1.455	-0.03658	-0.00534	0.039345	0.01454	-0.00842	-0.00131
1.46	-0.04673	-0.00978	0.03699	0.01838	-0.01006	-0.006
1.465	-0.05648	-0.01382	0.03474	0.02331	-0.01134	-0.0113
1.47	-0.06528	-0.0174	0.03222	0.02906	-0.01193	-0.01696
1.475	-0.07263	-0.02041	0.02898	0.03451	-0.01155	-0.0224
1.48	-0.07826	-0.02275	0.024615	0.03803	-0.01006	-0.02691
1.485	-0.08217	-0.02434	0.018795	0.03814	-0.00737	-0.02977
1.49	-0.08463	-0.02517	0.011415	0.03401	-0.00356	-0.03049
1.495	-0.08618	-0.02542	0.002535	0.02585	0.00119	-0.02889
1.5	-0.08749	-0.0254	-0.00755	0.01473	0.0066	-0.02514
1.505	-0.08923	-0.02555	-0.01841	0.00214	0.01229	-0.01971
1.51	-0.09193	-0.02631	-0.02942	-0.01062	0.01786	-0.01323
1.515	-0.09587	-0.02802	-0.0399	-0.02287	0.02286	-0.00633
1.52	-0.10107	-0.03082	-0.04922	-0.03454	0.02692	0.00046
1.525	-0.10725	-0.03461	-0.05676	-0.04588	0.02971	0.00685
1.53	-0.11392	-0.03902	-0.06206	-0.05705	0.03103	0.01276
1.535	-0.12047	-0.04352	-0.06477	-0.06783	0.03077	0.01826
1.54	-0.12627	-0.04754	-0.06479	-0.07756	0.02897	0.02351
1.545	-0.13075	-0.05058	-0.06215	-0.08539	0.02577	0.02863
1.55	-0.13346	-0.05228	-0.05705	-0.09076	0.02143	0.03362
1.555	-0.13416	-0.05255	-0.04985	-0.09363	0.01631	0.03836
1.56	-0.13273	-0.05146	-0.041	-0.09463	0.01085	0.04257
1.565	-0.12925	-0.0493	-0.03098	-0.09484	0.00554	0.04583
1.57	-0.12387	-0.04639	-0.0203	-0.09533	0.00086	0.04768
1.575	-0.11681	-0.04305	-0.00947	-0.09675	-0.00271	0.04763
1.58	-0.10828	-0.03949	0.001125	-0.09902	-0.00482	0.04529
1.585	-0.09849	-0.03577	0.011145	-0.10137	-0.00526	0.04038
1.59	-0.08757	-0.03179	0.02031	-0.10259	-0.00404	0.03291
1.595	-0.07568	-0.02737	0.0285	-0.10148	-0.00134	0.02318
1.6	-0.06295	-0.02229	0.03567	-0.09726	0.00243	0.0119
1.605	-0.0496	-0.01645	0.041835	-0.08982	0.00672	0.00005
1.61	-0.03589	-0.00989	0.047055	-0.07972	0.01091	-0.01112
1.615	-0.02218	-0.00285	0.051435	-0.068	0.01437	-0.02035
1.62	-0.00891	0.00425	0.055035	-0.05594	0.0166	-0.0266
1.625	0.00348	0.01086	0.05793	-0.04471	0.01724	-0.02924
1.63	0.01458	0.01645	0.060075	-0.03519	0.01619	-0.02824

1.635	0.02402	0.02056	0.061425	-0.02786	0.01355	-0.02417
1.64	0.03157	0.02295	0.061815	-0.02277	0.00961	-0.0181
1.645	0.03715	0.02359	0.061065	-0.01953	0.00481	-0.01137
1.65	0.04081	0.02269	0.058965	-0.01742	-0.00036	-0.00534
1.655	0.04274	0.02064	0.05532	-0.01544	-0.00543	-0.00104
1.66	0.04324	0.01788	0.04995	-0.01256	-0.01003	0.00091
1.665	0.04271	0.0149	0.042765	-0.00797	-0.01393	0.00045
1.67	0.04163	0.0121	0.033735	-0.00144	-0.01704	-0.00198
1.675	0.04047	0.0098	0.02295	0.00652	-0.01939	-0.0056
1.68	0.03973	0.0082	0.010635	0.01458	-0.0211	-0.00949
1.685	0.03984	0.00744	-0.00287	0.02087	-0.02231	-0.01275
1.69	0.04113	0.00757	-0.017	0.0236	-0.02315	-0.01468
1.695	0.0438	0.00861	-0.03113	0.02168	-0.02368	-0.01487
1.7	0.04784	0.0105	-0.04445	0.01525	-0.0239	-0.01322
1.705	0.05299	0.01313	-0.05612	0.00596	-0.0237	-0.00995
1.71	0.05873	0.01625	-0.06528	-0.00351	-0.02297	-0.00549
1.715	0.0643	0.01947	-0.07127	-0.01021	-0.02157	-0.00046
1.72	0.06883	0.02228	-0.07353	-0.01194	-0.0194	0.00443
1.725	0.0714	0.02408	-0.0719	-0.00792	-0.01643	0.00848
1.73	0.07128	0.02431	-0.06651	0.00106	-0.01274	0.01106
1.735	0.06808	0.02252	-0.05786	0.013	-0.00849	0.01168
1.74	0.06184	0.01861	-0.04676	0.02543	-0.00393	0.01008
1.745	0.05308	0.01282	-0.03419	0.03619	0.00067	0.00621
1.75	0.04278	0.00579	-0.02135	0.04397	0.00502	0.00035
1.755	0.03213	-0.00152	-0.0093	0.04836	0.0089	-0.00702
1.76	0.0224	-0.00806	0.000915	0.04966	0.01215	-0.01516
1.765	0.0147	-0.01287	0.00852	0.04844	0.01472	-0.02325
1.77	0.00978	-0.01531	0.01308	0.04525	0.01665	-0.03047
1.775	0.00803	-0.0152	0.014445	0.04044	0.01802	-0.03613
1.78	0.00936	-0.01281	0.01281	0.03428	0.01896	-0.03983
1.785	0.01339	-0.00881	0.0087	0.02714	0.01957	-0.04154
1.79	0.0195	-0.00403	0.002805	0.0196	0.01989	-0.04161
1.795	0.02701	0.00075	-0.00399	0.01245	0.01993	-0.04073
1.8	0.03528	0.00498	-0.01083	0.00644	0.01963	-0.03977
1.805	0.04377	0.00847	-0.01691	0.002	0.01888	-0.03956
1.81	0.05213	0.01134	-0.0216	-0.00097	0.0176	-0.04075
1.815	0.0601	0.01395	-0.02453	-0.00306	0.01568	-0.0436
1.82	0.0676	0.01672	-0.02559	-0.0051	0.0131	-0.048
1.825	0.07454	0.01996	-0.02501	-0.00776	0.00989	-0.05346
1.83	0.08092	0.02377	-0.02321	-0.01119	0.00616	-0.05927
1.835	0.08668	0.02796	-0.02088	-0.01485	0.0021	-0.06465
1.84	0.09174	0.03212	-0.01877	-0.01767	-0.00206	-0.06895
1.845	0.09604	0.03575	-0.01767	-0.01846	-0.00603	-0.07175
1.85	0.09947	0.03835	-0.01826	-0.01646	-0.00954	-0.07292
1.855	0.10199	0.03961	-0.021	-0.01176	-0.01234	-0.07256
1.86	0.10361	0.03947	-0.02615	-0.00535	-0.01427	-0.07096
1.865	0.10441	0.03816	-0.03366	0.00105	-0.01523	-0.06842
1.87	0.10458	0.03617	-0.04316	0.00562	-0.01527	-0.06523
1.875	0.10431	0.03408	-0.05405	0.00703	-0.01453	-0.06154
1.88	0.10382	0.03248	-0.06555	0.00494	-0.01324	-0.05739
1.885	0.10323	0.03175	-0.07679	0.00011	-0.01168	-0.05271
1.89	0.1025	0.03198	-0.08687	-0.00581	-0.01013	-0.04744
1.895	0.10146	0.03292	-0.09509	-0.01091	-0.00884	-0.04154
1.9	0.09981	0.03403	-0.10088	-0.01364	-0.008	-0.0351
1.905	0.09721	0.03458	-0.10395	-0.01343	-0.00769	-0.02832
1.91	0.09337	0.03388	-0.1043	-0.01083	-0.00792	-0.02145
1.915	0.08818	0.03146	-0.1022	-0.00748	-0.00861	-0.01482
1.92	0.0818	0.02723	-0.09809	-0.0054	-0.00965	-0.00871
1.925	0.07459	0.02153	-0.09261	-0.00621	-0.01089	-0.00333
1.93	0.06709	0.01505	-0.08642	-0.01034	-0.01221	0.0012
1.935	0.05989	0.00872	-0.08012	-0.01661	-0.01349	0.00478
1.94	0.05353	0.00342	-0.07424	-0.02239	-0.01465	0.00732
1.945	0.04842	-0.00017	-0.06911	-0.02428	-0.01564	0.00871
1.95	0.0448	-0.00177	-0.06486	-0.01926	-0.01642	0.00876
1.955	0.04274	-0.00146	-0.06146	-0.00577	-0.01699	0.00729
1.96	0.04214	0.00029	-0.05864	0.01549	-0.01737	0.00425

1.965	0.0428	0.00285	-0.05603	0.04146	-0.01756	-0.00019
1.97	0.04441	0.00554	-0.05322	0.06739	-0.01761	-0.00557
1.975	0.04666	0.00783	-0.04971	0.08802	-0.01756	-0.01109
1.98	0.04922	0.0094	-0.04509	0.09907	-0.01746	-0.01581
1.985	0.05176	0.01018	-0.03902	0.09837	-0.01737	-0.01885
1.99	0.05402	0.01032	-0.03131	0.08646	-0.01737	-0.01968
1.995	0.05577	0.01007	-0.02196	0.06637	-0.0175	-0.01826
2	0.05683	0.00969	-0.01115	0.04268	-0.0178	-0.01517
2.005	0.05709	0.00937	0.00075	0.0203	-0.01829	-0.01152
2.01	0.0565	0.00916	0.013245	0.00317	-0.01893	-0.0087
2.015	0.05507	0.00896	0.025695	-0.00655	-0.01967	-0.00804
2.02	0.05289	0.00861	0.037455	-0.00868	-0.02043	-0.01047
2.025	0.05008	0.00792	0.04785	-0.00472	-0.02107	-0.01628
2.03	0.04681	0.00677	0.05631	0.00293	-0.02148	-0.02499
2.035	0.04328	0.00512	0.062385	0.01175	-0.02152	-0.03545
2.04	0.0397	0.00308	0.065745	0.01976	-0.02107	-0.04609
2.045	0.03627	0.00086	0.066285	0.02578	-0.02007	-0.05521
2.05	0.03318	-0.00128	0.064095	0.02947	-0.01846	-0.06131
2.055	0.0306	-0.00305	0.0594	0.03106	-0.01627	-0.06326
2.06	0.02868	-0.00423	0.052575	0.03109	-0.01357	-0.06046
2.065	0.02755	-0.0047	0.044085	0.03018	-0.01048	-0.05285
2.07	0.02731	-0.0044	0.034455	0.02889	-0.00718	-0.04085
2.075	0.02801	-0.00336	0.02427	0.02769	-0.00386	-0.02525
2.08	0.02965	-0.00167	0.014055	0.02686	-0.00071	-0.00706
2.085	0.03215	0.00054	0.004335	0.02642	0.00207	0.01256
2.09	0.03537	0.00315	-0.00443	0.0261	0.00434	0.03247
2.095	0.0391	0.00601	-0.01182	0.02532	0.00604	0.05159
2.1	0.0431	0.00899	-0.01749	0.02336	0.00714	0.069
2.105	0.04715	0.01198	-0.0212	0.01967	0.0077	0.08394
2.11	0.05106	0.0149	-0.02282	0.01424	0.00785	0.09588
2.115	0.05468	0.0177	-0.02234	0.0079	0.00776	0.10449
2.12	0.05785	0.02033	-0.01998	0.00222	0.00764	0.10959
2.125	0.06028	0.02266	-0.01608	-0.00079	0.00769	0.11118
2.13	0.06156	0.02451	-0.01118	0.00062	0.00806	0.10932
2.135	0.06118	0.02556	-0.00587	0.00723	0.00886	0.10422
2.14	0.05863	0.02541	-0.00077	0.0183	0.01007	0.09621
2.145	0.05356	0.02366	0.003615	0.03168	0.01159	0.08581
2.15	0.04594	0.0201	0.006885	0.04443	0.01321	0.07381
2.155	0.03613	0.01476	0.008955	0.05374	0.01463	0.06122
2.16	0.02489	0.00806	0.00996	0.05787	0.0155	0.04919
2.165	0.01327	0.00079	0.010275	0.05664	0.01549	0.03888
2.17	0.00246	-0.00605	0.010485	0.05131	0.01435	0.03126
2.175	-0.00646	-0.01144	0.011235	0.044	0.01193	0.0269
2.18	-0.01265	-0.01454	0.013245	0.03681	0.00822	0.02586
2.185	-0.01572	-0.01496	0.01713	0.03104	0.00338	0.02759
2.19	-0.01569	-0.01279	0.023325	0.02682	-0.00228	0.03109
2.195	-0.01301	-0.00864	0.032055	0.02324	-0.00836	0.03505
2.2	-0.00843	-0.00344	0.043275	0.0189	-0.01439	0.03815
2.205	-0.00288	0.00176	0.056625	0.01268	-0.0199	0.03939
2.21	0.00272	0.00603	0.071505	0.0043	-0.02447	0.0383
2.215	0.00755	0.00874	0.08709	-0.00541	-0.02778	0.03511
2.22	0.01101	0.00968	0.102345	-0.01479	-0.02961	0.03071
2.225	0.01278	0.00904	0.116205	-0.0219	-0.02993	0.02644
2.23	0.01279	0.00734	0.12759	-0.02526	-0.0288	0.02376
2.235	0.01122	0.00521	0.135555	-0.02441	-0.02642	0.02385
2.24	0.00843	0.00329	0.139335	-0.02008	-0.02307	0.02729
2.245	0.00481	0.00201	0.138435	-0.01399	-0.01908	0.03385
2.25	0.00078	0.00156	0.13266	-0.00824	-0.01479	0.04256
2.255	-0.00339	0.00181	0.122175	-0.00458	-0.0105	0.05188
2.26	-0.00759	0.00241	0.107445	-0.00385	-0.00643	0.06009
2.265	-0.01186	0.0028	0.08922	-0.00569	-0.00273	0.06568
2.27	-0.01643	0.00241	0.068475	-0.00875	0.00052	0.06773
2.275	-0.0216	0.00075	0.046365	-0.01116	0.00335	0.06604
2.28	-0.02765	-0.00248	0.024075	-0.01126	0.00585	0.0611
2.285	-0.03474	-0.00734	0.002775	-0.00816	0.00812	0.05386
2.29	-0.04283	-0.01355	-0.01644	-0.00206	0.01028	0.04537

2.295	-0.05163	-0.0206	-0.03266	0.00587	0.01241	0.03643
2.3	-0.06059	-0.02776	-0.04517	0.01383	0.01454	0.02739
2.305	-0.06899	-0.03422	-0.05352	0.02005	0.01663	0.01804
2.31	-0.07603	-0.03924	-0.05759	0.0233	0.01858	0.00779
2.315	-0.08096	-0.04222	-0.05751	0.0232	0.02021	-0.00403
2.32	-0.08322	-0.04287	-0.05378	0.02022	0.02131	-0.01784
2.325	-0.08257	-0.04122	-0.04712	0.01541	0.0217	-0.03353
2.33	-0.07913	-0.03765	-0.03848	0.01002	0.0212	-0.05029
2.335	-0.07338	-0.0328	-0.02891	0.00509	0.01972	-0.06673
2.34	-0.06608	-0.02748	-0.01947	0.00126	0.01731	-0.08113
2.345	-0.05817	-0.02251	-0.0111	-0.00133	0.01409	-0.09183
2.35	-0.05053	-0.01858	-0.00453	-0.0029	0.0103	-0.09759
2.355	-0.04388	-0.01608	-0.0002	-0.0039	0.00624	-0.09797
2.36	-0.03862	-0.0151	0.00177	-0.00493	0.00226	-0.09337
2.365	-0.03484	-0.01535	0.00153	-0.00656	-0.00136	-0.08499
2.37	-0.03231	-0.01632	-0.0005	-0.00928	-0.00439	-0.07453
2.375	-0.03059	-0.01737	-0.00371	-0.01332	-0.00669	-0.06383
2.38	-0.02914	-0.01791	-0.00746	-0.01856	-0.00823	-0.05444
2.385	-0.0274	-0.0175	-0.01112	-0.02447	-0.00905	-0.0473
2.39	-0.02494	-0.01599	-0.01425	-0.03017	-0.00925	-0.04255
2.395	-0.02146	-0.01349	-0.01656	-0.03462	-0.00894	-0.03951
2.4	-0.01683	-0.0103	-0.01803	-0.03693	-0.00822	-0.0369
2.405	-0.01109	-0.0068	-0.01883	-0.03655	-0.00717	-0.03321
2.41	-0.00441	-0.00337	-0.01931	-0.03352	-0.00583	-0.02713
2.415	-0.00297	-0.00022	-0.01994	-0.02834	-0.00424	-0.01798
2.42	0.01075	0.00258	-0.02126	-0.02187	-0.00245	-0.00599
2.425	0.01864	0.00512	-0.02369	-0.01501	-0.00049	0.00765
2.43	0.02636	0.0076	-0.02762	-0.00847	0.00154	0.02091
2.435	0.03368	0.01021	-0.03323	-0.00263	0.00358	0.03136
2.44	0.04041	0.01307	-0.04058	0.00239	0.00554	0.0367
2.445	0.04642	0.01618	-0.04955	0.00659	0.00731	0.03525
2.45	0.05163	0.01939	-0.05984	0.00993	0.00886	0.02642
2.455	0.05599	0.02244	-0.07103	0.01217	0.01014	0.01089
2.46	0.05951	0.02502	-0.08259	0.01294	0.01118	-0.00942
2.465	0.06218	0.02687	-0.09392	0.01187	0.01202	-0.03171
2.47	0.06403	0.02783	-0.1043	0.00875	0.01277	-0.05276
2.475	0.0651	0.02787	-0.11307	0.00367	0.01353	-0.06954
2.48	0.0654	0.02713	-0.11957	-0.00299	0.01444	-0.07977
2.485	0.06494	0.02584	-0.1232	-0.01066	0.01565	-0.08225
2.49	0.06373	0.02428	-0.12351	-0.0187	0.01726	-0.07707
2.495	0.06178	0.02271	-0.12027	-0.02656	0.01937	-0.06546
2.5	0.05911	0.02132	-0.11345	-0.03373	0.02205	-0.04951
2.505	0.05577	0.02019	-0.10323	-0.03964	0.02528	-0.03171
2.51	0.05187	0.0193	-0.09011	-0.0436	0.029	-0.01444
2.515	0.04753	0.01856	-0.0747	-0.04477	0.03308	0.00037
2.52	0.04291	0.01784	-0.05786	-0.04241	0.03731	0.0115
2.525	0.03814	0.01702	-0.04041	-0.03622	0.04142	0.01856
2.53	0.03327	0.016	-0.02325	-0.02678	0.04512	0.02179
2.535	0.02821	0.01467	-0.00714	-0.01572	0.04811	0.02188
2.54	0.02275	0.01292	0.007335	-0.00542	0.05013	0.01971
2.545	0.01655	0.01058	0.0198	0.0015	0.05101	0.0161
2.55	0.00927	0.00751	0.030045	0.00313	0.05066	0.01175
2.555	0.00066	0.00355	0.038115	-0.00088	0.04911	0.00719
2.56	-0.00931	-0.00131	0.04419	-0.00902	0.04649	0.00289
2.565	-0.02034	-0.00693	0.04851	-0.01822	0.04299	-0.00063
2.57	-0.03187	-0.01294	0.05133	-0.02498	0.03886	-0.00276
2.575	-0.0432	-0.01879	0.052815	-0.02655	0.03436	-0.00282
2.58	-0.05363	-0.02389	0.05304	-0.02191	0.02972	-0.00013
2.585	-0.06265	-0.02777	0.0519	-0.01205	0.02515	0.00582
2.59	-0.07005	-0.03021	0.049185	0.00051	0.02083	0.01518
2.595	-0.0759	-0.03134	0.044595	0.01272	0.01688	0.02765
2.6	-0.08056	-0.03166	0.03783	0.02211	0.01343	0.0424
2.605	-0.08448	-0.03184	0.028725	0.02761	0.01058	0.05821
2.61	-0.08807	-0.0326	0.017235	0.02965	0.00838	0.07355
2.615	-0.09159	-0.03442	0.003645	0.02976	0.00687	0.08687
2.62	-0.09506	-0.03742	-0.01148	0.02975	0.00603	0.0968



2.625	-0.09825	-0.04129	-0.02729	0.03089	0.00578	0.10237
2.63	-0.10074	-0.04534	-0.04269	0.03339	0.00596	0.10311
2.635	-0.102	-0.04868	-0.05643	0.03643	0.00637	0.09913
2.64	-0.10149	-0.05043	-0.06725	0.03855	0.00674	0.09107
2.645	-0.09876	-0.04992	-0.07401	0.03833	0.00682	0.08
2.65	-0.09352	-0.04685	-0.07584	0.03498	0.00636	0.06723
2.655	-0.08573	-0.04132	-0.07226	0.02868	0.00522	0.05419
2.66	-0.07555	-0.03377	-0.06323	0.02054	0.00334	0.04217
2.665	-0.06343	-0.02493	-0.04919	0.01225	0.00078	0.03219
2.67	-0.05	-0.01559	-0.03102	0.0056	-0.00226	0.02488
2.675	-0.03609	-0.00657	-0.01004	0.002	-0.00552	0.02047
2.68	-0.02264	0.00148	0.012225	0.00222	-0.00865	0.01873
2.685	-0.0106	0.008	0.034125	0.00632	-0.0113	0.01912
2.69	-0.00083	0.01267	0.054075	0.01374	-0.01319	0.02086
2.695	0.00601	0.0153	0.07062	0.02354	-0.01408	0.02309
2.7	0.00955	0.01587	0.082695	0.03456	-0.01389	0.02499
2.705	0.00978	0.01453	0.089685	0.0456	-0.01266	0.02588
2.71	0.00701	0.01159	0.091365	0.05555	-0.01056	0.02534
2.715	0.00191	0.00749	0.08811	0.06344	-0.00785	0.02322
2.72	-0.00465	0.00276	0.08067	0.06863	-0.00489	0.01964
2.725	-0.01172	-0.00197	0.0702	0.07084	-0.00204	0.0149
2.73	-0.01835	-0.00615	0.058125	0.07032	0.00037	0.00938
2.735	-0.02377	-0.0093	0.045975	0.06782	0.00208	0.0034
2.74	-0.02743	-0.01111	0.035295	0.06446	0.0029	-0.0029
2.745	-0.02913	-0.01153	0.027465	0.06153	0.00276	-0.00956
2.75	-0.02895	-0.01072	0.02352	0.06015	0.00168	-0.01674
2.755	-0.02726	-0.00906	0.024075	0.06103	-0.00023	-0.02463
2.76	-0.02462	-0.00704	0.029235	0.06421	-0.00285	-0.03324
2.765	-0.02165	-0.00519	0.038535	0.0691	-0.006	-0.04229
2.77	-0.01889	-0.00396	0.051015	0.07457	-0.00953	-0.05118
2.775	-0.01671	-0.00361	0.06528	0.07925	-0.01327	-0.05906
2.78	-0.01524	-0.00412	0.079665	0.08186	-0.01708	-0.06497
2.785	-0.01437	-0.00528	0.092385	0.08153	-0.02079	-0.06814
2.79	-0.01381	-0.00663	0.101805	0.07802	-0.02426	-0.06816
2.795	-0.01316	-0.00766	0.106485	0.07183	-0.02729	-0.06517
2.8	-0.01204	-0.0079	0.10542	0.06405	-0.02972	-0.05978
2.805	-0.01017	-0.00704	0.098145	0.05614	-0.03137	-0.05302
2.81	-0.00747	-0.00499	0.08472	0.04953	-0.03209	-0.04598
2.815	-0.00407	-0.00193	0.065775	0.04528	-0.03182	-0.03963
2.82	-0.00038	0.0017	0.042405	0.04373	-0.03054	-0.03456
2.825	0.00303	0.00531	0.01614	0.04439	-0.02834	-0.03091
2.83	0.00544	0.00825	-0.0113	0.04602	-0.02539	-0.02841
2.835	0.00614	0.00989	-0.03806	0.04692	-0.02193	-0.02651
2.84	0.00454	0.00977	-0.06245	0.04543	-0.01827	-0.02459
2.845	0.00026	0.00768	-0.08294	0.04041	-0.0147	-0.02216
2.85	-0.00673	0.00367	-0.09842	0.03161	-0.01148	-0.01898
2.855	-0.01613	-0.00189	-0.10829	0.01976	-0.00883	-0.01509
2.86	-0.02735	-0.00842	-0.11237	0.00634	-0.00682	-0.01082
2.865	-0.03959	-0.01517	-0.11102	-0.00678	-0.00545	-0.00664
2.87	-0.05199	-0.02144	-0.10506	-0.01802	-0.00461	-0.00305
2.875	-0.06376	-0.02666	-0.09566	-0.02645	-0.00408	-0.00052
2.88	-0.07432	-0.03052	-0.08414	-0.0321	-0.00363	0.00061
2.885	-0.08331	-0.03305	-0.07202	-0.03578	-0.00301	0.00015
2.89	-0.09061	-0.03451	-0.06065	-0.0387	-0.00201	-0.00194
2.895	-0.09626	-0.03537	-0.05126	-0.04194	-0.00053	-0.00555
2.9	-0.10034	-0.03604	-0.04473	-0.04597	0.00146	-0.01042
2.905	-0.10296	-0.03679	-0.0416	-0.05049	0.00387	-0.01612
2.91	-0.10411	-0.03761	-0.042	-0.05456	0.00654	-0.02207
2.915	-0.10377	-0.0382	-0.04569	-0.05708	0.00922	-0.02755
2.92	-0.10192	-0.03806	-0.05208	-0.05728	0.01164	-0.0318
2.925	-0.09863	-0.03671	-0.06035	-0.05518	0.01355	-0.03415
2.93	-0.09413	-0.03385	-0.06947	-0.05164	0.01473	-0.03411
2.935	-0.08886	-0.02958	-0.07844	-0.04802	0.01501	-0.03161
2.94	-0.0834	-0.02435	-0.08625	-0.04565	0.01433	-0.02696
2.945	-0.07841	-0.019	-0.09203	-0.04518	0.01272	-0.02095
2.95	-0.07444	-0.01448	-0.09503	-0.04621	0.01031	-0.01461

2.955	-0.07188	-0.01163	-0.09476	-0.04742	0.00733	-0.00909
2.96	-0.07081	-0.01095	-0.09098	-0.0471	0.00406	-0.00538
2.965	-0.07103	-0.01243	-0.0837	-0.04391	0.00081	-0.00405
2.97	-0.07212	-0.01555	-0.07322	-0.03755	-0.00213	-0.00518
2.975	-0.07353	-0.01943	-0.06011	-0.02901	-0.0045	-0.00826
2.98	-0.07475	-0.02307	-0.04517	-0.02029	-0.00618	-0.01238
2.985	-0.07541	-0.02559	-0.02939	-0.01359	-0.00713	-0.01637
2.99	-0.07534	-0.02649	-0.01385	-0.01042	-0.00744	-0.01905
2.995	-0.07459	-0.02575	0.000375	-0.01095	-0.00728	-0.01948
3	-0.07332	-0.0238	0.01239	-0.01397	-0.00692	-0.01709
3.005	-0.07173	-0.02134	0.021465	-0.0174	-0.0066	-0.01183
3.01	-0.06997	-0.01912	0.02721	-0.01919	-0.00656	-0.00409
3.015	-0.06804	-0.0177	0.02955	-0.01813	-0.00696	0.0053
3.02	-0.06577	-0.01723	0.028725	-0.01441	-0.00782	0.01525
3.025	-0.06287	-0.01748	0.02523	-0.00948	-0.00909	0.02451
3.03	-0.05901	-0.01785	0.019785	-0.00553	-0.01057	0.03194
3.035	-0.05389	-0.01757	0.013185	-0.00468	-0.01198	0.03659
3.04	-0.04736	-0.01599	0.00627	-0.00815	-0.01294	0.03796
3.045	-0.03948	-0.01273	-0.00024	-0.01592	-0.0131	0.03603
3.05	-0.03051	-0.00787	-0.00575	-0.02668	-0.01211	0.03132
3.055	-0.02088	-0.00191	-0.00987	-0.03836	-0.00972	0.02478
3.06	-0.01112	0.00436	-0.01242	-0.04873	-0.00581	0.01766
3.065	-0.00172	0.01001	-0.01343	-0.05608	-0.00046	0.01125
3.07	0.00692	0.01431	-0.01311	-0.05956	0.00609	0.00664
3.075	0.0146	0.01684	-0.01184	-0.0593	0.01337	0.00452
3.08	0.02133	0.01766	-0.01005	-0.05615	0.0208	0.00505
3.085	0.02735	0.01726	-0.00824	-0.05126	0.02766	0.00789
3.09	0.03298	0.01646	-0.00681	-0.0457	0.03324	0.0123
3.095	0.03861	0.01615	-0.00611	-0.0401	0.03686	0.01741
3.1	0.04454	0.01709	-0.0063	-0.03459	0.038	0.02236
3.105	0.05089	0.01965	-0.0074	-0.02887	0.03636	0.02659
3.11	0.05755	0.02376	-0.00923	-0.02248	0.03189	0.02988
3.115	0.06419	0.02887	-0.01142	-0.015	0.02483	0.03236
3.12	0.07026	0.03407	-0.01355	-0.00639	0.01568	0.03442
3.125	0.07518	0.03832	-0.01514	0.00295	0.00514	0.03652
3.13	0.07836	0.0407	-0.01574	0.01218	-0.00597	0.03899
3.135	0.07946	0.04062	-0.01503	0.02017	-0.01677	0.04193
3.14	0.07837	0.03801	-0.0129	0.02577	-0.02647	0.04507
3.145	0.07533	0.03333	-0.00939	0.02809	-0.0344	0.04787
3.15	0.07083	0.02748	-0.00476	0.0268	-0.04008	0.04961
3.155	0.06553	0.02159	0.000585	0.02225	-0.0433	0.04957
3.16	0.06007	0.01672	0.00618	0.01542	-0.04405	0.04728
3.165	0.05497	0.01364	0.01155	0.00772	-0.04256	0.04261
3.17	0.05044	0.01257	0.01632	0.00059	-0.03922	0.03591
3.175	0.04642	0.0132	0.020235	-0.00483	-0.03451	0.02785
3.18	0.04258	0.01473	0.023205	-0.00802	-0.02899	0.01937
3.185	0.03847	0.01611	0.025335	-0.00913	-0.02317	0.01137
3.19	0.03365	0.01633	0.026835	-0.00881	-0.01753	0.00451
3.195	0.02786	0.01472	0.028035	-0.0079	-0.01245	-0.0009
3.2	0.02111	0.0111	0.029295	-0.00713	-0.00822	-0.00501
3.205	0.01362	0.00586	0.03099	-0.00681	-0.005	-0.00828
3.21	0.00584	-0.00019	0.033405	-0.0069	-0.00286	-0.01136
3.215	-0.00171	-0.00602	0.036735	-0.00718	-0.00177	-0.01483
3.22	-0.00854	-0.01067	0.040965	-0.0075	-0.00162	-0.01902
3.225	-0.01431	-0.01355	0.04596	-0.00808	-0.00224	-0.02385
3.23	-0.01885	-0.01452	0.051345	-0.0095	-0.00342	-0.02886
3.235	-0.0222	-0.01398	0.056655	-0.0126	-0.00493	-0.0333
3.24	-0.02454	-0.01269	0.06132	-0.01812	-0.00655	-0.0363
3.245	-0.02608	-0.01153	0.064755	-0.02638	-0.00809	-0.03711
3.25	-0.027	-0.01125	0.066435	-0.03703	-0.0094	-0.03535
3.255	-0.02733	-0.01222	0.066015	-0.049	-0.0104	-0.03114
3.26	-0.02697	-0.01428	0.063375	-0.06075	-0.01105	-0.02509
3.265	-0.02567	-0.01682	0.05865	-0.0706	-0.01139	-0.01823
3.27	-0.02314	-0.01888	0.052185	-0.0772	-0.01147	-0.01178
3.275	-0.01912	-0.01943	0.044565	-0.07987	-0.01137	-0.00685
3.28	-0.01352	-0.01771	0.03648	-0.07867	-0.0112	-0.00426

3.285	-0.00647	-0.01342	0.028695	-0.07441	-0.01105	-0.00429
3.29	0.00163	-0.00684	0.021915	-0.06831	-0.01097	-0.00676
3.295	0.01015	0.00114	0.016695	-0.06178	-0.01104	-0.01106
3.3	0.01832	0.00926	0.01344	-0.05601	-0.01127	-0.01643
3.305	0.02529	0.01615	0.0123	-0.05187	-0.01164	-0.02222
3.31	0.0303	0.02061	0.013185	-0.04979	-0.01211	-0.02809
3.315	0.0328	0.02187	0.015795	-0.04979	-0.0126	-0.03407
3.32	0.03251	0.01976	0.019665	-0.05149	-0.01299	-0.04043
3.325	0.0295	0.01473	0.02418	-0.05429	-0.01315	-0.04748
3.33	0.02417	0.00768	0.028695	-0.05732	-0.01293	-0.05526
3.335	0.01726	-0.00016	0.032535	-0.05966	-0.01221	-0.06336
3.34	0.00975	-0.0075	0.035145	-0.06041	-0.0109	-0.07082
3.345	0.00279	-0.01322	0.036015	-0.05896	-0.00898	-0.07633
3.35	-0.00248	-0.01648	0.03483	-0.05526	-0.00647	-0.07845
3.355	-0.00505	-0.01685	0.03144	-0.0499	-0.00349	-0.076
3.36	-0.00422	-0.0143	0.02589	-0.04418	-0.00024	-0.06834
3.365	0.00032	-0.00917	0.018375	-0.03984	0.00305	-0.05565
3.37	0.00835	-0.00211	0.009285	-0.03855	0.00612	-0.03888
3.375	0.01919	0.00604	-0.00086	-0.04135	0.0087	-0.01966
3.38	0.03182	0.01437	-0.01146	-0.04811	0.01059	0.00004
3.385	0.04503	0.02203	-0.02184	-0.05734	0.01163	0.01827
3.39	0.0577	0.02835	-0.03137	-0.06649	0.01178	0.03345
3.395	0.06896	0.03299	-0.03945	-0.07276	0.0111	0.04464
3.4	0.07837	0.03597	-0.04568	-0.07399	0.00972	0.05166
3.405	0.08591	0.03765	-0.04979	-0.06943	0.00787	0.05501
3.41	0.09189	0.03865	-0.05174	-0.06004	0.00581	0.05573
3.415	0.09679	0.03967	-0.05174	-0.04809	0.00376	0.05513
3.42	0.10106	0.04126	-0.0501	-0.0363	0.00193	0.05447
3.425	0.10502	0.04372	-0.0473	-0.02684	0.00042	0.05473
3.43	0.10873	0.04697	-0.04383	-0.02052	-0.00077	0.0564
3.435	0.11209	0.0506	-0.04017	-0.01667	-0.00171	0.05945
3.44	0.11483	0.05398	-0.03669	-0.01355	-0.00257	0.06338
3.445	0.1166	0.05647	-0.03362	-0.0093	-0.00351	0.06735
3.45	0.1171	0.0576	-0.03104	-0.0028	-0.00471	0.0704
3.455	0.11606	0.05715	-0.02885	0.0057	-0.00625	0.07164
3.46	0.11329	0.05519	-0.02687	0.01463	-0.00814	0.07047
3.465	0.10867	0.05202	-0.02483	0.02167	-0.01025	0.06664
3.47	0.10214	0.04801	-0.02246	0.02469	-0.0124	0.06029
3.475	0.09369	0.04345	-0.01949	0.02267	-0.01429	0.05193
3.48	0.08341	0.0385	-0.01584	0.01617	-0.01566	0.04232
3.485	0.07147	0.03313	-0.01148	0.00725	-0.01624	0.03237
3.49	0.05818	0.02722	-0.00654	-0.00123	-0.01587	0.02297
3.495	0.04397	0.02064	-0.00128	-0.0066	-0.01449	0.01487
3.5	0.02934	0.01343	0.00399	-0.00722	-0.01219	0.00858
3.505	0.01483	0.00578	0.008865	-0.00314	-0.00915	0.00423
3.51	0.00093	-0.00192	0.01299	0.00407	-0.00567	0.00166
3.515	-0.012	-0.00919	0.01605	0.01182	-0.0021	0.00038
3.52	-0.02372	-0.01555	0.017835	0.01741	0.0012	-0.00024
3.525	-0.03417	-0.02071	0.018225	0.01893	0.00393	-0.00084
3.53	-0.04341	-0.02457	0.017265	0.0158	0.00585	-0.00199
3.535	-0.05152	-0.02728	0.015105	0.00887	0.00686	-0.00403
3.54	-0.05861	-0.02913	0.012	0.00003	0.00698	-0.0071
3.545	-0.06472	-0.03049	0.008325	-0.0085	0.00636	-0.01114
3.55	-0.06986	-0.03166	0.0045	-0.0149	0.00526	-0.016
3.555	-0.07399	-0.03283	0.00105	-0.01823	0.00399	-0.02152
3.56	-0.07704	-0.034	-0.00149	-0.01863	0.00289	-0.02755
3.565	-0.07895	-0.03505	-0.00257	-0.01708	0.00226	-0.03401
3.57	-0.07965	-0.03576	-0.00168	-0.01499	0.00232	-0.04086
3.575	-0.07903	-0.03587	0.00156	-0.01367	0.00321	-0.04797
3.58	-0.07697	-0.03511	0.007425	-0.01392	0.00492	-0.05512
3.585	-0.07332	-0.03327	0.016005	-0.0159	0.00733	-0.06193
3.59	-0.06795	-0.03018	0.02709	-0.01913	0.01022	-0.06793
3.595	-0.06087	-0.02578	0.040245	-0.02271	0.0133	-0.07258
3.6	-0.05232	-0.02017	0.054825	-0.02559	0.01624	-0.0754
3.605	-0.04278	-0.01365	0.06996	-0.02682	0.01874	-0.07601
3.61	-0.03303	-0.00674	0.08466	-0.02573	0.02054	-0.07422

3.615	-0.02403	-0.00012	0.09795	-0.02219	0.02143	-0.07
3.62	-0.01677	0.00541	0.108945	-0.01672	0.02135	-0.06354
3.625	-0.01211	0.00914	0.116895	-0.0104	0.0203	-0.05516
3.63	-0.01061	0.01053	0.121335	-0.00469	0.0184	-0.04535
3.635	-0.01243	0.00939	0.12201	-0.001	0.01585	-0.03473
3.64	-0.01729	0.00592	0.11901	-0.00018	0.01289	-0.02403
3.645	-0.02453	0.00068	0.11268	-0.00224	0.00977	-0.01401
3.65	-0.03322	-0.00548	0.10359	-0.00626	0.00673	-0.00546
3.655	-0.04227	-0.01164	0.092505	-0.01063	0.00398	0.00094
3.66	-0.05061	-0.0169	0.080235	-0.01365	0.00163	0.00475
3.665	-0.05731	-0.0206	0.06765	-0.01411	-0.00023	0.00591
3.67	-0.06168	-0.02237	0.055485	-0.01175	-0.00161	0.00474
3.675	-0.06339	-0.02217	0.044355	-0.00737	-0.00254	0.00204
3.68	-0.06243	-0.02024	0.03465	-0.00249	-0.0031	-0.00105
3.685	-0.05914	-0.01705	0.02652	0.00124	-0.00338	-0.00319
3.69	-0.0541	-0.01313	0.01992	0.00273	-0.00347	-0.00308
3.695	-0.04811	-0.00903	0.01458	0.00186	-0.00348	0.00032
3.7	-0.04203	-0.00523	0.010095	-0.00045	-0.00346	0.00755
3.705	-0.03672	-0.0021	0.006015	-0.00266	-0.00347	0.01853
3.71	-0.0329	0.00012	0.001845	-0.00331	-0.00353	0.03249
3.715	-0.0311	0.00129	-0.00281	-0.00168	-0.00362	0.0481
3.72	-0.0316	0.00135	-0.00819	0.00187	-0.00372	0.06363
3.725	-0.03439	0.00034	-0.01442	0.00591	-0.00377	0.07724
3.73	-0.03922	-0.00167	-0.02139	0.00859	-0.00374	0.08731
3.735	-0.04563	-0.00452	-0.02889	0.00827	-0.00358	0.09268
3.74	-0.05305	-0.00804	-0.0365	0.00433	-0.00323	0.09286
3.745	-0.06088	-0.01199	-0.04379	-0.00262	-0.00266	0.08812
3.75	-0.06853	-0.01611	-0.05025	-0.01091	-0.00184	0.07937
3.755	-0.07557	-0.02017	-0.05547	-0.01843	-0.00071	0.06803
3.76	-0.08167	-0.02395	-0.05909	-0.02346	0.00076	0.05573
3.765	-0.08663	-0.02729	-0.06092	-0.02529	0.00262	0.04407
3.77	-0.09035	-0.03004	-0.0609	-0.02449	0.00488	0.03437
3.775	-0.09276	-0.03208	-0.05916	-0.02257	0.00755	0.02748
3.78	-0.09385	-0.0333	-0.05594	-0.02137	0.01057	0.02371
3.785	-0.0936	-0.03359	-0.05162	-0.02226	0.01383	0.02284
3.79	-0.09206	-0.03289	-0.04667	-0.02558	0.01717	0.02422
3.795	-0.08942	-0.03121	-0.04154	-0.03053	0.0204	0.02692
3.8	-0.08599	-0.02873	-0.03677	-0.03556	0.02331	0.02988
3.805	-0.0823	-0.02581	-0.03278	-0.03898	0.02572	0.03207
3.81	-0.07904	-0.023	-0.02993	-0.03969	0.02748	0.03265
3.815	-0.07695	-0.02102	-0.02843	-0.03755	0.02853	0.03111
3.82	-0.07675	-0.02057	-0.02825	-0.03348	0.02886	0.0273
3.825	-0.07889	-0.02224	-0.02915	-0.02905	0.02851	0.02151
3.83	-0.08351	-0.02629	-0.03071	-0.02581	0.02758	0.01444
3.835	-0.09026	-0.03258	-0.0323	-0.02476	0.0262	0.00707
3.84	-0.09832	-0.04047	-0.03323	-0.02587	0.02446	0.00047
3.845	-0.10645	-0.04889	-0.03272	-0.02804	0.02246	-0.00437
3.85	-0.11308	-0.05645	-0.03017	-0.02939	0.02027	-0.00677
3.855	-0.11661	-0.06169	-0.02508	-0.02772	0.01792	-0.00655
3.86	-0.11564	-0.06332	-0.01718	-0.02129	0.01544	-0.00406
3.865	-0.10919	-0.06049	-0.00645	-0.00932	0.01282	-0.00014
3.87	-0.09697	-0.05298	0.006855	0.00756	0.01008	0.00401
3.875	-0.07941	-0.0413	0.022245	0.02725	0.00723	0.00708
3.88	-0.05765	-0.02664	0.038985	0.04663	0.00429	0.00793
3.885	-0.03334	-0.01065	0.056265	0.06217	0.00132	0.00578
3.89	-0.00845	0.00483	0.073125	0.0709	-0.00162	0.00037
3.895	0.01511	0.01811	0.088635	0.07121	-0.00446	-0.00802
3.9	0.0357	0.02799	0.10191	0.0633	-0.00712	-0.01868
3.905	0.0522	0.03396	0.11226	0.04926	-0.0095	-0.03061
3.91	0.06408	0.03621	0.119175	0.03249	-0.0115	-0.04277
3.915	0.0714	0.03554	0.122475	0.0168	-0.01303	-0.05425
3.92	0.07473	0.03313	0.122205	0.00538	-0.01402	-0.06438
3.925	0.07494	0.03019	0.11877	-0.00004	-0.01438	-0.07279
3.93	0.07306	0.02771	0.112845	0.0005	-0.0141	-0.07936
3.935	0.07012	0.02626	0.105255	0.00536	-0.01315	-0.08413
3.94	0.06699	0.02593	0.097035	0.01197	-0.01159	-0.0872

3.945	0.06437	0.02645	0.08913	0.01772	-0.00946	-0.08864
3.95	0.06273	0.02732	0.082455	0.02071	-0.00688	-0.08851
3.955	0.06233	0.02805	0.0777	0.02023	-0.00396	-0.08684
3.96	0.06323	0.02835	0.075255	0.01672	-0.00086	-0.08373
3.965	0.06534	0.0282	0.07521	0.0114	0.00224	-0.07942
3.97	0.06844	0.02786	0.077265	0.0057	0.00512	-0.07429
3.975	0.07217	0.0277	0.08079	0.0008	0.00758	-0.0689
3.98	0.07612	0.02811	0.084915	-0.00268	0.00939	-0.06389
3.985	0.0798	0.02929	0.088575	-0.00463	0.01035	-0.0599
3.99	0.08268	0.03115	0.090675	-0.00528	0.01032	-0.05739
3.995	0.0843	0.03332	0.090195	-0.00495	0.00924	-0.05656
4	0.08423	0.0352	0.086355	-0.00394	0.00718	-0.0572
4.005	0.08223	0.03613	0.07869	-0.00253	0.0043	-0.05872
4.01	0.0782	0.03554	0.067095	-0.00107	0.00091	-0.06015
4.015	0.07227	0.03314	0.051945	-0.00016	-0.00266	-0.06034
4.02	0.06471	0.02896	0.03399	-0.00044	-0.00599	-0.05816
4.025	0.05581	0.02334	0.014265	-0.00231	-0.00872	-0.0528
4.03	0.04582	0.01681	-0.00591	-0.00566	-0.01055	-0.044
4.035	0.03479	0.00989	-0.02525	-0.00974	-0.01129	-0.03219
4.04	0.02269	0.00293	-0.04244	-0.01335	-0.01086	-0.01853
4.045	0.00944	-0.00395	-0.05649	-0.01526	-0.00934	-0.00473
4.05	-0.00491	-0.01083	-0.06668	-0.01467	-0.00692	0.0072
4.055	-0.02011	-0.01793	-0.07265	-0.01155	-0.00387	0.01537
4.06	-0.03559	-0.02537	-0.07454	-0.00669	-0.0005	0.01837
4.065	-0.05047	-0.03306	-0.07287	-0.0014	0.00284	0.01562
4.07	-0.06366	-0.04059	-0.06849	0.00292	0.00586	0.00745
4.075	-0.07395	-0.04726	-0.06251	0.00535	0.00835	-0.00488
4.08	-0.08023	-0.05218	-0.05612	0.00567	0.01017	-0.01946
4.085	-0.0816	-0.05447	-0.05052	0.00448	0.01131	-0.03406
4.09	-0.07755	-0.05344	-0.04671	0.00299	0.01183	-0.04647
4.095	-0.06802	-0.04878	-0.04541	0.0026	0.01187	-0.05489
4.1	-0.05342	-0.04061	-0.04698	0.00457	0.01163	-0.05814
4.105	-0.03461	-0.02953	-0.05144	0.00968	0.01127	-0.05579
4.11	-0.01281	-0.01647	-0.05843	0.01809	0.01093	-0.04812
4.115	0.01053	-0.00262	-0.06731	0.02938	0.0107	-0.03604
4.12	0.0339	0.01086	-0.07724	0.0426	0.01056	-0.02088
4.125	0.05588	0.0229	-0.08735	0.05645	0.01044	-0.00421
4.13	0.0753	0.03275	-0.09681	0.06941	0.01021	0.01235
4.135	0.09137	0.04003	-0.10494	0.07995	0.00971	0.02738
4.14	0.10369	0.04475	-0.11129	0.08672	0.00881	0.03973
4.145	0.1123	0.04726	-0.11568	0.08882	0.00742	0.04876
4.15	0.11754	0.04813	-0.1182	0.08597	0.00549	0.0543
4.155	0.11998	0.048	-0.11916	0.07868	0.00309	0.0567
4.16	0.12021	0.04744	-0.11903	0.06825	0.00033	0.05663
4.165	0.11881	0.04677	-0.11832	0.05654	-0.00261	0.05496
4.17	0.1162	0.04606	-0.11757	0.0456	-0.00554	0.05247
4.175	0.11264	0.04512	-0.1172	0.03717	-0.00825	0.04971
4.18	0.10827	0.04361	-0.11744	0.03225	-0.01052	0.04692
4.185	0.10316	0.0412	-0.11837	0.0308	-0.0122	0.04401
4.19	0.09738	0.03768	-0.11987	0.03179	-0.01316	0.04066
4.195	0.09102	0.0331	-0.12158	0.03345	-0.01331	0.03653
4.2	0.08425	0.02775	-0.12308	0.03381	-0.01264	0.03139
4.205	0.07728	0.02213	-0.12377	0.03128	-0.01118	0.02523
4.21	0.07033	0.0168	-0.12309	0.02518	-0.009	0.01831
4.215	0.06364	0.01228	-0.12047	0.01601	-0.00625	0.01111
4.22	0.05743	0.00886	-0.11549	0.00545	-0.00309	0.00421
4.225	0.0519	0.00664	-0.10788	-0.00404	0.00028	-0.00187
4.23	0.04728	0.00545	-0.09764	-0.00991	0.00364	-0.00674
4.235	0.04373	0.00501	-0.08498	-0.01032	0.00681	-0.0102
4.24	0.0414	0.00498	-0.07046	-0.00481	0.00959	-0.01228
4.245	0.04037	0.0051	-0.05484	0.00539	0.01183	-0.01317
4.25	0.04072	0.00525	-0.03908	0.01758	0.01344	-0.01321
4.255	0.04244	0.0055	-0.02418	0.02831	0.01434	-0.01278
4.26	0.04554	0.00608	-0.01109	0.03446	0.01449	-0.0123
4.265	0.04998	0.00732	-0.0006	0.03425	0.01389	-0.01216
4.27	0.05568	0.00956	0.00678	0.02786	0.01258	-0.01262

4.275	0.06248	0.01304	0.010845	0.01736	0.01063	-0.01377
4.28	0.07016	0.01785	0.01176	0.00604	0.00814	-0.0155
4.285	0.07837	0.02381	0.01002	-0.00278	0.00526	-0.01751
4.29	0.08666	0.03053	0.006405	-0.00681	0.00218	-0.01929
4.295	0.0945	0.03745	0.00183	-0.00553	-0.00088	-0.02028
4.3	0.10128	0.0439	-0.0027	-0.00027	-0.0037	-0.01992
4.305	0.10638	0.0492	-0.00626	0.00646	-0.00607	-0.01781
4.31	0.10923	0.05281	-0.00812	0.01197	-0.00782	-0.01374
4.315	0.1093	0.05432	-0.00786	0.0144	-0.00884	-0.00775
4.32	0.10625	0.05357	-0.00542	0.01337	-0.00912	-0.00007
4.325	0.09987	0.05058	-0.00108	0.00993	-0.00874	0.00894
4.33	0.09021	0.04557	0.0045	0.00593	-0.00785	0.01884
4.335	0.07753	0.03891	0.01044	0.0031	-0.00667	0.02922
4.34	0.06231	0.03105	0.015735	0.00219	-0.00547	0.03966
4.345	0.04523	0.02249	0.019395	0.00255	-0.00446	0.04973
4.35	0.02707	0.01373	0.020595	0.00243	-0.00387	0.05894
4.355	0.00863	0.00524	0.018825	-0.00026	-0.00381	0.06671
4.36	-0.00933	-0.00263	0.01395	-0.00695	-0.00433	0.07246
4.365	-0.02623	-0.00963	0.00627	-0.01758	-0.0054	0.07563
4.37	-0.04165	-0.01566	-0.00351	-0.03043	-0.00694	0.07586
4.375	-0.05542	-0.02081	-0.01436	-0.04259	-0.00879	0.07304
4.38	-0.06756	-0.02525	-0.02496	-0.05098	-0.01079	0.06747
4.385	-0.07819	-0.02925	-0.03401	-0.05355	-0.01278	0.05983
4.39	-0.0875	-0.03306	-0.04019	-0.05012	-0.01459	0.05111
4.395	-0.09565	-0.03684	-0.04247	-0.04255	-0.01608	0.04252
4.4	-0.10267	-0.04062	-0.04016	-0.03416	-0.01713	0.03529
4.405	-0.10848	-0.04422	-0.03299	-0.0285	-0.01767	0.03045
4.41	-0.11286	-0.04734	-0.02123	-0.02806	-0.01766	0.02866
4.415	-0.11552	-0.04955	-0.00564	-0.0333	-0.01712	0.03008
4.42	-0.11618	-0.05044	0.0126	-0.04242	-0.0161	0.03435
4.425	-0.11464	-0.04969	0.031935	-0.05204	-0.01472	0.04062
4.43	-0.11091	-0.0472	0.050655	-0.05846	-0.01313	0.04774
4.435	-0.1052	-0.04313	0.067035	-0.05902	-0.01152	0.05446
4.44	-0.09798	-0.03789	0.07947	-0.05309	-0.01009	0.05969
4.445	-0.0898	-0.03207	0.086775	-0.04233	-0.00907	0.06266
4.45	-0.08125	-0.02632	0.088245	-0.03007	-0.00864	0.0631
4.455	-0.07286	-0.02118	0.083715	-0.02005	-0.00894	0.0612
4.46	-0.06502	-0.01699	0.07368	-0.01503	-0.01003	0.05756
4.465	-0.05799	-0.01384	0.059085	-0.01591	-0.0119	0.05296
4.47	-0.05197	-0.01162	0.04131	-0.02154	-0.0144	0.04816
4.475	-0.04705	-0.01005	0.021945	-0.0293	-0.01733	0.04371
4.48	-0.04332	-0.00887	0.00261	-0.03617	-0.02038	0.03975
4.485	-0.04079	-0.0079	-0.01515	-0.03976	-0.02326	0.03605
4.49	-0.03946	-0.00709	-0.03008	-0.03906	-0.02567	0.03209
4.495	-0.03924	-0.00651	-0.04127	-0.03459	-0.02741	0.02725
4.5	-0.03998	-0.00632	-0.04821	-0.02799	-0.02838	0.02104
4.505	-0.04148	-0.00666	-0.05084	-0.02129	-0.02861	0.01333
4.51	-0.04353	-0.00759	-0.04943	-0.01617	-0.02824	0.00444
4.515	-0.04591	-0.00909	-0.04463	-0.01336	-0.02747	-0.00484
4.52	-0.04845	-0.01103	-0.03728	-0.01263	-0.02652	-0.01349
4.525	-0.05103	-0.01322	-0.02835	-0.01295	-0.02558	-0.02048
4.53	-0.05355	-0.01546	-0.01883	-0.01305	-0.02476	-0.02502
4.535	-0.05591	-0.01756	-0.00963	-0.01194	-0.02407	-0.02681
4.54	-0.05802	-0.01937	-0.00147	-0.00932	-0.02346	-0.02608
4.545	-0.05972	-0.02075	0.00513	-0.00564	-0.0228	-0.02348
4.55	-0.06086	-0.02162	0.009915	-0.00193	-0.02193	-0.01994
4.555	-0.06126	-0.02191	0.012915	0.00067	-0.0207	-0.01635
4.56	-0.0608	-0.02162	0.014325	0.00134	-0.01898	-0.01331
4.565	-0.0594	-0.02079	0.014565	0	-0.01672	-0.01099
4.57	-0.05705	-0.01952	0.014175	-0.00261	-0.01389	-0.00912
4.575	-0.05383	-0.01799	0.01374	-0.00504	-0.01054	-0.00708
4.58	-0.04981	-0.01637	0.013815	-0.00559	-0.00679	-0.00412
4.585	-0.04512	-0.01482	0.014925	-0.00283	-0.00276	0.00037
4.59	-0.03985	-0.01341	0.017505	0.0039	0.00137	0.00667
4.595	-0.03407	-0.01212	0.02178	0.01423	0.0054	0.01463
4.6	-0.02781	-0.01081	0.027885	0.02684	0.00916	0.02358

4.605	-0.02105	-0.00925	0.035775	0.03976	0.0125	0.03253
4.61	-0.01373	-0.00715	0.04524	0.051	0.01532	0.04024
4.615	-0.00573	-0.00424	0.055905	0.05911	0.01758	0.04554
4.62	0.00305	-0.00028	0.067335	0.06354	0.01933	0.04747
4.625	0.01271	0.00484	0.079005	0.06471	0.02066	0.04554
4.63	0.0232	0.0111	0.090315	0.06371	0.0217	0.03976
4.635	0.03425	0.01827	0.100785	0.06178	0.02263	0.03072
4.64	0.04526	0.02589	0.109875	0.05972	0.02358	0.01951
4.645	0.05529	0.03324	0.11721	0.05759	0.02466	0.00752
4.65	0.06313	0.03939	0.122445	0.05484	0.02593	-0.00374
4.655	0.06757	0.04333	0.12531	0.05077	0.02736	-0.0129
4.66	0.06778	0.0442	0.125625	0.04514	0.02889	-0.01889
4.665	0.06345	0.04154	0.123285	0.0386	0.03037	-0.02112
4.67	0.055	0.03546	0.118245	0.03273	0.03163	-0.01953
4.675	0.0435	0.02672	0.110625	0.02962	0.03248	-0.01456
4.68	0.03047	0.01666	0.100605	0.03109	0.03273	-0.00708
4.685	0.01763	0.00688	0.08859	0.03801	0.03223	0.00179
4.69	0.00652	-0.00105	0.075105	0.04988	0.03091	0.01084
4.695	-0.00166	-0.00597	0.060825	0.06488	0.02879	0.01898
4.7	-0.0063	-0.00737	0.046485	0.08044	0.02598	0.02542
4.705	-0.00737	-0.00547	0.032895	0.09401	0.02268	0.02975
4.71	-0.00537	-0.00114	0.020775	0.10377	0.01918	0.03201
4.715	-0.00117	0.00434	0.0108	0.10898	0.01578	0.03262
4.72	0.00413	0.00963	0.00342	0.11002	0.01275	0.0322
4.725	0.00945	0.01357	-0.00113	0.10795	0.01031	0.03135
4.73	0.01383	0.01548	-0.00285	0.10402	0.00854	0.03041
4.735	0.01662	0.01518	-0.00203	0.09918	0.0074	0.02926
4.74	0.01747	0.01298	0.00087	0.09396	0.00675	0.0273
4.745	0.0164	0.00953	0.00513	0.08843	0.00634	0.02352
4.75	0.01374	0.00562	0.009945	0.08254	0.00591	0.01682
4.755	0.01003	0.00201	0.01449	0.0763	0.0052	0.00644
4.76	0.00591	-0.00077	0.017985	0.06999	0.00403	-0.00778
4.765	0.00201	-0.00244	0.01977	0.06403	0.00233	-0.02523
4.77	-0.00115	-0.00302	0.019395	0.05879	0.00016	-0.04455
4.775	-0.00329	-0.00274	0.01665	0.0544	-0.00232	-0.064
4.78	-0.00433	-0.00199	0.01158	0.05057	-0.00486	-0.0818
4.785	-0.00443	-0.00115	0.004455	0.04668	-0.00719	-0.09655
4.79	-0.00392	-0.00055	-0.00428	0.04196	-0.00904	-0.10754
4.795	-0.00321	-0.00039	-0.014	0.03581	-0.01018	-0.11471
4.8	-0.00276	-0.00073	-0.02408	0.02798	-0.01048	-0.11859
4.805	-0.00295	-0.00153	-0.03386	0.01867	-0.00991	-0.11995
4.81	-0.00404	-0.00264	-0.04277	0.00836	-0.00852	-0.11945
4.815	-0.00615	-0.00396	-0.05033	-0.00239	-0.00647	-0.1174
4.82	-0.00924	-0.00541	-0.05618	-0.01312	-0.00395	-0.1137
4.825	-0.01314	-0.00696	-0.06011	-0.02361	-0.00119	-0.10791
4.83	-0.01751	-0.00864	-0.06201	-0.03369	0.00159	-0.09951
4.835	-0.02192	-0.01049	-0.06197	-0.04311	0.00423	-0.08813
4.84	-0.02583	-0.01246	-0.06014	-0.05123	0.0066	-0.07381
4.845	-0.02869	-0.01438	-0.05675	-0.05701	0.00863	-0.05703
4.85	-0.02993	-0.01594	-0.05216	-0.05912	0.01033	-0.03871
4.855	-0.0291	-0.01673	-0.04679	-0.05636	0.01174	-0.02002
4.86	-0.02587	-0.01628	-0.04109	-0.0481	0.01293	-0.00214
4.865	-0.02014	-0.0142	-0.03548	-0.03471	0.01396	0.01395
4.87	-0.01204	-0.0103	-0.03035	-0.01762	0.01489	0.02763
4.875	-0.00196	-0.00463	-0.02597	0.00087	0.01577	0.03874
4.88	0.00948	0.00242	-0.02246	0.01809	0.01661	0.04748
4.885	0.02147	0.01021	-0.01974	0.03162	0.01737	0.05434
4.89	0.03312	0.01788	-0.01766	0.03976	0.01802	0.05985
4.895	0.04348	0.02453	-0.01586	0.04195	0.01847	0.06443
4.9	0.05172	0.02929	-0.014	0.03874	0.01864	0.06824
4.905	0.05714	0.03153	-0.0117	0.03173	0.01843	0.07111
4.91	0.05935	0.03092	-0.00869	0.02314	0.01775	0.07265
4.915	0.05833	0.02751	-0.00479	0.01535	0.01651	0.07243
4.92	0.05443	0.02172	-4.5E-05	0.01038	0.01468	0.07012
4.925	0.0484	0.01436	0.005385	0.0094	0.01223	0.06569
4.93	0.0413	0.00644	0.011115	0.01241	0.00921	0.05943

4.935	0.03438	-0.00088	0.016695	0.01822	0.00571	0.05191
4.94	0.02886	-0.00652	0.021555	0.02473	0.00188	0.04383
4.945	0.0258	-0.00965	0.025185	0.02947	-0.00211	0.03584
4.95	0.02591	-0.0098	0.027105	0.03039	-0.00603	0.02833
4.955	0.02944	-0.00696	0.027015	0.02651	-0.00966	0.0214
4.96	0.03619	-0.00161	0.02475	0.01836	-0.01281	0.01485
4.965	0.04553	0.00542	0.02043	0.00788	-0.0153	0.00831
4.97	0.05651	0.01308	0.014385	-0.0021	-0.01703	0.00142
4.975	0.06805	0.02031	0.007155	-0.00872	-0.01793	-0.00599
4.98	0.07908	0.02624	-0.00056	-0.01009	-0.01805	-0.01378
4.985	0.08869	0.03032	-0.00794	-0.00587	-0.01747	-0.02152
4.99	0.09625	0.03241	-0.01421	0.00253	-0.01632	-0.02854
4.995	0.10146	0.03275	-0.01865	0.01246	-0.01478	-0.03414
5	0.10431	0.03185	-0.02075	0.02089	-0.01303	-0.03767
5.005	0.10511	0.03038	-0.02024	0.0254	-0.01123	-0.03874
5.01	0.10432	0.02898	-0.01715	0.025	-0.00951	-0.03723
5.015	0.10247	0.02812	-0.01178	0.02028	-0.00793	-0.03335
5.02	0.10005	0.02808	-0.00476	0.01312	-0.00654	-0.0276
5.025	0.09738	0.0288	0.003165	0.0059	-0.00534	-0.02071
5.03	0.09452	0.02997	0.01104	0.00056	-0.00428	-0.01352
5.035	0.09129	0.03108	0.017895	-0.00202	-0.00335	-0.00692
5.04	0.08728	0.03149	0.02289	-0.00219	-0.00252	-0.00172
5.045	0.08201	0.03056	0.025305	-0.0012	-0.00184	0.00143
5.05	0.07506	0.02782	0.024675	-0.00054	-0.00134	0.00213
5.055	0.06623	0.02306	0.02085	-0.00126	-0.00113	0.0003
5.06	0.05567	0.01646	0.013965	-0.00361	-0.00131	-0.00383
5.065	0.04388	0.00854	0.004395	-0.00702	-0.002	-0.00969
5.07	0.03166	0.00014	-0.00729	-0.01058	-0.00328	-0.01643
5.075	0.01992	-0.00775	-0.02046	-0.01359	-0.00521	-0.02302
5.08	0.0095	-0.01424	-0.03449	-0.01598	-0.00776	-0.02836
5.085	0.00107	-0.01866	-0.0488	-0.01821	-0.01085	-0.03147
5.09	-0.00499	-0.02074	-0.06294	-0.02094	-0.01434	-0.03168
5.095	-0.00849	-0.02058	-0.07653	-0.02451	-0.01801	-0.02881
5.1	-0.00943	-0.01856	-0.08924	-0.02862	-0.0216	-0.02323
5.105	-0.008	-0.0152	-0.10076	-0.03224	-0.0248	-0.01586
5.11	-0.0045	-0.01102	-0.11075	-0.03398	-0.02736	-0.008
5.115	0.00061	-0.00644	-0.11889	-0.03249	-0.02901	-0.00108
5.12	0.00674	-0.00175	-0.12486	-0.02706	-0.02961	0.00367
5.125	0.01313	0.00285	-0.12834	-0.0178	-0.02908	0.00549
5.13	0.01898	0.00712	-0.12908	-0.00572	-0.02747	0.00432
5.135	0.02347	0.01081	-0.12689	0.00762	-0.02493	0.00082
5.14	0.02591	0.01355	-0.12162	0.02051	-0.02167	-0.00375
5.145	0.02584	0.01498	-0.11324	0.03154	-0.01799	-0.00781
5.15	0.02314	0.01481	-0.10178	0.03988	-0.01416	-0.00984
5.155	0.01803	0.01294	-0.08735	0.04539	-0.01043	-0.00875
5.16	0.01105	0.00955	-0.07013	0.04848	-0.00699	-0.00413
5.165	0.00303	0.00511	-0.05045	0.04989	-0.00396	0.00358
5.17	-0.0051	0.00032	-0.02871	0.05043	-0.0014	0.01316
5.175	-0.01241	-0.00399	-0.00549	0.05071	0.00067	0.02287
5.18	-0.01814	-0.00705	0.01854	0.05105	0.00229	0.03076
5.185	-0.02181	-0.00832	0.042585	0.05143	0.00348	0.03511
5.19	-0.0233	-0.00761	0.065775	0.05163	0.00432	0.03476
5.195	-0.02285	-0.00514	0.08721	0.0514	0.00485	0.02934
5.2	-0.02102	-0.00153	0.106035	0.05068	0.00514	0.01934
5.205	-0.01857	0.00236	0.121485	0.04975	0.0053	0.00597
5.21	-0.01631	0.00559	0.133005	0.04922	0.00542	-0.00907
5.215	-0.01494	0.00736	0.140205	0.04994	0.00561	-0.02398
5.22	-0.01494	0.00719	0.142935	0.05271	0.00599	-0.03719
5.225	-0.01651	0.00503	0.141315	0.05797	0.00663	-0.04761
5.23	-0.01955	0.00125	0.13566	0.06553	0.0076	-0.05482
5.235	-0.02377	-0.00348	0.12651	0.0744	0.00892	-0.05898
5.24	-0.02873	-0.00835	0.114525	0.08294	0.01052	-0.06069
5.245	-0.03397	-0.01266	0.100485	0.08917	0.01234	-0.06077
5.25	-0.03908	-0.01595	0.085095	0.09126	0.01422	-0.05994
5.255	-0.0437	-0.01809	0.06912	0.08799	0.01601	-0.0587
5.26	-0.04751	-0.01924	0.053145	0.07907	0.01751	-0.0572



5.265	-0.05024	-0.01972	0.03765	0.06522	0.01854	-0.05529
5.27	-0.05162	-0.01985	0.022995	0.04796	0.01893	-0.05267
5.275	-0.05148	-0.01984	0.009375	0.02925	0.01855	-0.04903
5.28	-0.04979	-0.01972	-0.00306	0.01115	0.0173	-0.04423
5.285	-0.0467	-0.01935	-0.01433	-0.00443	0.01517	-0.03839
5.29	-0.04264	-0.01859	-0.02442	-0.01596	0.01221	-0.03194
5.295	-0.03817	-0.01734	-0.03341	-0.02242	0.00857	-0.02548
5.3	-0.03386	-0.01564	-0.04136	-0.02335	0.00448	-0.01972
5.305	-0.03015	-0.01368	-0.04832	-0.01898	0.00024	-0.0153
5.31	-0.02726	-0.01168	-0.05438	-0.01027	-0.00379	-0.01268
5.315	-0.0252	-0.00985	-0.05954	0.0012	-0.00724	-0.01204
5.32	-0.02382	-0.00833	-0.06378	0.01347	-0.00977	-0.01326
5.325	-0.02293	-0.00718	-0.06704	0.02458	-0.01109	-0.0159
5.33	-0.02243	-0.00642	-0.06917	0.03304	-0.01103	-0.01929
5.335	-0.02228	-0.00605	-0.06995	0.03813	-0.00956	-0.02261
5.34	-0.02254	-0.00614	-0.0692	0.03999	-0.00681	-0.02503
5.345	-0.02327	-0.00677	-0.06665	0.03947	-0.00303	-0.02579
5.35	-0.02444	-0.00798	-0.06215	0.03765	0.00138	-0.02433
5.355	-0.02585	-0.0097	-0.05564	0.03546	0.006	-0.0204
5.36	-0.02715	-0.01164	-0.04715	0.03332	0.01037	-0.014
5.365	-0.02785	-0.01337	-0.0369	0.03111	0.01411	-0.00547
5.37	-0.02743	-0.01431	-0.02528	0.02839	0.01697	0.00466
5.375	-0.02548	-0.01392	-0.01277	0.02479	0.01884	0.0157
5.38	-0.02178	-0.01185	0.000015	0.02036	0.01977	0.02694
5.385	-0.01639	-0.00804	0.012405	0.01578	0.01996	0.03769
5.39	-0.00964	-0.00282	0.023745	0.01216	0.01971	0.04734
5.395	-0.00207	0.00318	0.03339	0.01075	0.01933	0.05538
5.4	0.00562	0.00912	0.040875	0.01232	0.01911	0.06138
5.405	0.01274	0.01417	0.045855	0.01688	0.01923	0.06497
5.41	0.01869	0.01769	0.048195	0.02348	0.01975	0.06588
5.415	0.02306	0.01936	0.047925	0.03046	0.02055	0.06398
5.42	0.02565	0.01924	0.04536	0.03599	0.02141	0.05932
5.425	0.02646	0.01773	0.04095	0.03866	0.02199	0.05219
5.43	0.02565	0.01543	0.03531	0.03797	0.02194	0.04317
5.435	0.02347	0.01293	0.029175	0.03446	0.02096	0.03313
5.44	0.02022	0.0107	0.023265	0.02948	0.01886	0.02309
5.445	0.01615	0.00893	0.018315	0.02465	0.01561	0.01411
5.45	0.01147	0.00751	0.01491	0.02117	0.01135	0.00709
5.455	0.00636	0.00614	0.013485	0.01933	0.00642	0.00257
5.46	0.00101	0.0044	0.01419	0.01833	0.00124	0.00065
5.465	-0.00429	0.00197	0.016965	0.01661	-0.00369	0.00096
5.47	-0.00919	-0.0012	0.02148	0.0124	-0.00788	0.00273
5.475	-0.01324	-0.00486	0.027165	0.00454	-0.01094	0.00502
5.48	-0.01596	-0.00844	0.033315	-0.00692	-0.01265	0.00694
5.485	-0.01699	-0.01122	0.039105	-0.0206	-0.01295	0.00783
5.49	-0.01613	-0.01251	0.0438	-0.0341	-0.01196	0.00747
5.495	-0.0135	-0.0119	0.046785	-0.0448	-0.00999	0.00603
5.5	-0.00954	-0.00939	0.047685	-0.05072	-0.00745	0.00406
5.505	-0.00492	-0.00548	0.04641	-0.0512	-0.0048	0.00225
5.51	-0.00043	-0.00104	0.043185	-0.04715	-0.0025	0.00128
5.515	0.00323	0.00289	0.038475	-0.0406	-0.00094	0.00158
5.52	0.00556	0.00535	0.032925	-0.0339	-0.00039	0.00326
5.525	0.0064	0.00573	0.027255	-0.02886	-0.00098	0.00606
5.53	0.0059	0.00396	0.02211	-0.02618	-0.00268	0.00943
5.535	0.00452	0.00045	0.018015	-0.02542	-0.00529	0.01268
5.54	0.00293	-0.00394	0.01524	-0.02546	-0.00852	0.01511
5.545	0.00186	-0.00815	0.013755	-0.02519	-0.01197	0.0162
5.55	0.00205	-0.01116	0.013305	-0.02416	-0.01523	0.01566
5.555	0.00409	-0.0122	0.013365	-0.02281	-0.01791	0.01346
5.56	0.00843	-0.01087	0.013335	-0.02223	-0.01974	0.0098
5.565	0.01529	-0.00717	0.012525	-0.02359	-0.02058	0.00504
5.57	0.02466	-0.00145	0.01032	-0.02754	-0.02042	-0.00046
5.575	0.03633	0.00577	0.006315	-0.0338	-0.01942	-0.00634
5.58	0.04988	0.01387	0.000285	-0.04122	-0.01783	-0.01237
5.585	0.0647	0.02229	-0.00768	-0.04829	-0.01599	-0.01839
5.59	0.08004	0.03058	-0.01724	-0.0537	-0.01421	-0.02426

5.595	0.09506	0.03838	-0.0278	-0.05696	-0.01278	-0.02984
5.6	0.10886	0.04542	-0.03858	-0.05853	-0.01189	-0.03489
5.605	0.1206	0.05142	-0.04874	-0.05958	-0.01165	-0.03911
5.61	0.12958	0.05611	-0.05738	-0.06133	-0.01203	-0.04218
5.615	0.13528	0.0592	-0.06374	-0.06446	-0.01292	-0.04384
5.62	0.13749	0.06045	-0.06722	-0.06871	-0.01414	-0.04396
5.625	0.13626	0.05975	-0.0674	-0.07289	-0.01547	-0.04265
5.63	0.13192	0.05715	-0.06414	-0.07538	-0.01665	-0.04016
5.635	0.12506	0.05291	-0.05756	-0.07481	-0.01747	-0.03687
5.64	0.11638	0.04751	-0.048	-0.07074	-0.01776	-0.03318
5.645	0.10663	0.04155	-0.03605	-0.06381	-0.01741	-0.02936
5.65	0.0965	0.03564	-0.0224	-0.05555	-0.01643	-0.02555
5.655	0.08653	0.03032	-0.00789	-0.0477	-0.01487	-0.02172
5.66	0.07714	0.0259	0.006615	-0.04152	-0.01287	-0.01777
5.665	0.03683	0.02249	0.020325	-0.03729	-0.01062	-0.01364
5.67	0.06078	0.01996	0.03249	-0.03427	-0.00831	-0.00942
5.675	0.05386	0.01805	0.0426	-0.0312	-0.00613	-0.00539
5.68	0.04766	0.0164	0.050295	-0.02711	-0.00422	-0.00193
5.685	0.04206	0.01471	0.05547	-0.02194	-0.00265	0.00059
5.69	0.03688	0.01278	0.058215	-0.0169	-0.00147	0.00194
5.695	0.03198	0.01052	0.0588	-0.01405	-0.00065	0.00218
5.7	0.02721	0.00799	0.057675	-0.01544	-0.00014	0.00166
5.705	0.02249	0.00531	0.05535	-0.02202	0.00015	0.00098
5.71	0.01782	0.00267	0.052365	-0.03302	0.00031	0.0008
5.715	0.01325	0.00028	0.049305	-0.046	0.00044	0.00167
5.72	0.00888	-0.00169	0.04662	-0.05752	0.00061	0.00383
5.725	0.00482	-0.00315	0.044775	-0.06431	0.00089	0.00714
5.73	0.00115	-0.00405	0.044145	-0.06436	0.00133	0.0111
5.735	-0.00214	-0.00447	0.044955	-0.05752	0.00195	0.01494
5.74	-0.00514	-0.00456	0.047325	-0.04549	0.00275	0.01789
5.745	-0.00805	-0.00453	0.051255	-0.03111	0.00369	0.01934
5.75	-0.01114	-0.00466	0.05652	-0.01744	0.00471	0.01908
5.755	-0.01468	-0.0052	0.06279	-0.00681	0.00573	0.01735
5.76	-0.01897	-0.00638	0.069555	-0.00031	0.00668	0.01485
5.765	-0.02418	-0.00836	0.076215	0.0022	0.00744	0.01253
5.77	-0.03038	-0.01117	0.082125	0.00177	0.00796	0.01142
5.775	-0.03745	-0.01474	0.08658	-0.00025	0.00818	0.01233
5.78	-0.0451	-0.01883	0.088995	-0.00269	0.00808	0.01561
5.785	-0.05285	-0.02312	0.088845	-0.00482	0.00769	0.02109
5.79	-0.06014	-0.02717	0.08577	-0.00633	0.00711	0.02806
5.795	-0.06638	-0.03054	0.079605	-0.00725	0.00645	0.03544
5.8	-0.07106	-0.0328	0.070365	-0.00762	0.00588	0.04198
5.805	-0.07382	-0.0337	0.05832	-0.00744	0.00557	0.0466
5.81	-0.07458	-0.03315	0.043935	-0.00662	0.00564	0.04861
5.815	-0.07347	-0.0313	0.027825	-0.00509	0.00619	0.04788
5.82	-0.07088	-0.02853	0.0108	-0.00289	0.00722	0.04487
5.825	-0.06731	-0.02535	-0.00626	-0.00024	0.00863	0.04052
5.83	-0.06328	-0.0223	-0.02243	0.00254	0.01024	0.03609
5.835	-0.05925	-0.01983	-0.03687	0.00517	0.01179	0.03279
5.84	-0.05552	-0.01817	-0.04886	0.00754	0.01299	0.03154
5.845	-0.05221	-0.01726	-0.05786	0.00985	0.01357	0.03275
5.85	-0.0493	-0.01684	-0.0636	0.01255	0.01334	0.03613
5.855	-0.04668	-0.01651	-0.06605	0.01619	0.01217	0.04078
5.86	-0.04424	-0.01589	-0.06548	0.02117	0.01012	0.04533
5.865	-0.04194	-0.01477	-0.06234	0.02755	0.00732	0.04824
5.87	-0.03983	-0.01316	-0.05732	0.03483	0.00405	0.04812
5.875	-0.03801	-0.01134	-0.05117	0.042	0.00065	0.04403
5.88	-0.03661	-0.00975	-0.04466	0.04773	-0.0025	0.03572
5.885	-0.03568	-0.00884	-0.03846	0.05065	-0.00508	0.02371
5.89	-0.03518	-0.00889	-0.03314	0.04972	-0.00686	0.0092
5.895	-0.03496	-0.00993	-0.02909	0.04451	-0.0077	-0.00614
5.9	-0.03479	-0.01167	-0.02643	0.03536	-0.00764	-0.02045
5.905	-0.03441	-0.01361	-0.02519	0.02328	-0.00684	-0.03208
5.91	-0.0336	-0.01514	-0.0252	0.00968	-0.00556	-0.03985
5.915	-0.03219	-0.01572	-0.02621	-0.00403	-0.00413	-0.04323
5.92	-0.0301	-0.01504	-0.02787	-0.01681	-0.00288	-0.04244

5.925	-0.02736	-0.01309	-0.02993	-0.02809	-0.00209	-0.03837
5.93	-0.02407	-0.01015	-0.03212	-0.03774	-0.00195	-0.03234
5.935	-0.02046	-0.00675	-0.03422	-0.04577	-0.00252	-0.02593
5.94	-0.01682	-0.00355	-0.03615	-0.05204	-0.00374	-0.02065
5.945	-0.01346	-0.00116	-0.03785	-0.05604	-0.00543	-0.01771
5.95	-0.01067	-0.00003	-0.03936	-0.0571	-0.00732	-0.01785
5.955	-0.00861	-0.00036	-0.04076	-0.05465	-0.00911	-0.0212
5.96	-0.00727	-0.00203	-0.04221	-0.04872	-0.0105	-0.02733
5.965	-0.00642	-0.00458	-0.04385	-0.04017	-0.01128	-0.0353
5.97	-0.00562	-0.00733	-0.04581	-0.03062	-0.01131	-0.04385
5.975	-0.00428	-0.00948	-0.04821	-0.02203	-0.01061	-0.05158
5.98	-0.00179	-0.01023	-0.05108	-0.01598	-0.00929	-0.05726
5.985	0.00237	-0.00902	-0.05435	-0.01312	-0.0076	-0.05994
5.99	0.00851	-0.00558	-0.05786	-0.01283	-0.00582	-0.05917
5.995	0.01664	-0.00009	-0.06137	-0.01349	-0.00426	-0.05503
6	0.02647	0.00691	-0.06459	-0.01304	-0.00314	-0.04809
6.005	0.03745	0.01459	-0.06717	-0.00981	-0.0026	-0.03925
6.01	0.04884	0.02197	-0.06878	-0.00318	-0.00266	-0.02962
6.015	0.05991	0.02819	-0.06911	0.00615	-0.00319	-0.02023
6.02	0.06998	0.03261	-0.06794	0.01649	-0.00398	-0.01192
6.025	0.0786	0.03502	-0.06516	0.02577	-0.00474	-0.00515
6.03	0.08558	0.03563	-0.06074	0.03232	-0.00518	-0.00003
6.035	0.09098	0.03499	-0.05481	0.03541	-0.005	0.00365
6.04	0.09505	0.03387	-0.0476	0.03531	-0.00397	0.00636
6.045	0.09817	0.03306	-0.03938	0.03295	-0.0019	0.00861
6.05	0.10074	0.03317	-0.03051	0.02927	0.00126	0.01089
6.055	0.10305	0.03452	-0.02135	0.0247	0.0055	0.01356
6.06	0.10526	0.037	-0.01221	0.01894	0.01067	0.01683
6.065	0.1073	0.04021	-0.00339	0.01118	0.01653	0.02075
6.07	0.10896	0.04347	0.004845	0.00073	0.02272	0.02528
6.075	0.10985	0.04604	0.012315	-0.01244	0.02879	0.03036
6.08	0.10955	0.04724	0.018855	-0.02729	0.03426	0.03593
6.085	0.10762	0.04661	0.024345	-0.04198	0.03865	0.04193
6.09	0.10373	0.044	0.028725	-0.05439	0.04151	0.04826
6.095	0.09765	0.03951	0.031935	-0.06299	0.04249	0.05472
6.1	0.08937	0.03351	0.034065	-0.06745	0.04139	0.06096
6.105	0.07903	0.0265	0.035205	-0.06871	0.0382	0.0665
6.11	0.06701	0.019	0.035595	-0.0685	0.03308	0.07075
6.115	0.05383	0.0115	0.035505	-0.06851	0.02639	0.07315
6.12	0.04025	0.00443	0.035235	-0.06954	0.01865	0.07328
6.125	0.02716	-0.00187	0.035055	-0.07117	0.0105	0.07096
6.13	0.01562	-0.00706	0.035145	-0.07197	0.00263	0.06631
6.135	0.00664	-0.01079	0.035595	-0.07047	-0.00429	0.05975
6.14	0.0011	-0.01269	0.036345	-0.06611	-0.00971	0.05194
6.145	-0.00047	-0.01248	0.037275	-0.05973	-0.01324	0.04362
6.15	0.00202	-0.01	0.038175	-0.05333	-0.01469	0.03545
6.155	0.00812	-0.00534	0.038835	-0.04929	-0.01415	0.0279
6.16	0.01693	0.00109	0.039105	-0.04938	-0.0119	0.02113
6.165	0.02717	0.00855	0.038865	-0.05407	-0.00845	0.01497
6.17	0.03746	0.01611	0.038055	-0.06243	-0.00438	0.00898
6.175	0.04645	0.02279	0.036765	-0.07255	-0.00033	0.00256
6.18	0.05308	0.02776	0.035085	-0.08233	0.00314	-0.00484
6.185	0.05667	0.0305	0.03321	-0.09013	0.00558	-0.01357
6.19	0.05696	0.0309	0.03135	-0.09512	0.00673	-0.02358
6.195	0.05407	0.02924	0.02967	-0.09714	0.00654	-0.03439
6.2	0.0484	0.02607	0.028305	-0.0964	0.00514	-0.04505
6.205	0.04047	0.02204	0.027255	-0.09311	0.00281	-0.05428
6.21	0.03084	0.01771	0.02652	-0.08738	-0.00007	-0.0607
6.215	0.02	0.01341	0.02592	-0.07944	-0.00307	-0.06307
6.22	0.00833	0.00919	0.025275	-0.06997	-0.00583	-0.06056
6.225	-0.0039	0.00487	0.024315	-0.06034	-0.00803	-0.05297
6.23	-0.01651	0.00013	0.022845	-0.05252	-0.0095	-0.04088
6.235	-0.02933	-0.00529	0.02067	-0.04854	-0.01015	-0.02553
6.24	-0.04218	-0.01151	0.017685	-0.04976	-0.01003	-0.00875
6.245	-0.05485	-0.01837	0.013875	-0.05616	-0.00928	0.00739
6.25	-0.0671	-0.02551	0.009315	-0.06611	-0.00806	0.02087

6.255	-0.07862	-0.03236	0.004185	-0.07665	-0.00659	0.03009
6.26	-0.08909	-0.03833	-0.00134	-0.08436	-0.00507	0.03409
6.265	-0.09819	-0.0429	-0.00701	-0.08645	-0.00367	0.03272
6.27	-0.10562	-0.04576	-0.01262	-0.08168	-0.00252	0.02664
6.275	-0.11113	-0.04681	-0.01805	-0.07072	-0.00172	0.01718
6.28	-0.11452	-0.04618	-0.02322	-0.05581	-0.00129	0.00609
6.285	-0.11571	-0.04413	-0.02819	-0.03982	-0.00124	-0.00476
6.29	-0.11475	-0.04104	-0.03305	-0.0252	-0.00153	-0.0138
6.295	-0.11185	-0.03728	-0.03803	-0.01308	-0.00213	-0.01993
6.3	-0.10736	-0.03318	-0.04328	-0.0031	-0.00298	-0.02279
6.305	-0.10183	-0.02904	-0.04896	0.00622	-0.00406	-0.02268
6.31	-0.09588	-0.02509	-0.05514	0.01648	-0.00532	-0.02047
6.315	-0.09014	-0.02152	-0.0617	0.02844	-0.00675	-0.01731
6.32	-0.08519	-0.01852	-0.06837	0.04136	-0.0083	-0.01431
6.325	-0.08142	-0.01617	-0.07475	0.05307	-0.0099	-0.01229
6.33	-0.07901	-0.01453	-0.08031	0.06075	-0.01146	-0.01157
6.335	-0.07791	-0.01353	-0.08448	0.06204	-0.01288	-0.01197
6.34	-0.07786	-0.01303	-0.08675	0.05611	-0.01405	-0.01288
6.345	-0.07852	-0.01283	-0.08667	0.04416	-0.01487	-0.01357
6.35	-0.07956	-0.01273	-0.08402	0.02932	-0.0153	-0.0134
6.355	-0.08076	-0.0126	-0.07877	0.01569	-0.01533	-0.01204
6.36	-0.08206	-0.01246	-0.0711	0.00711	-0.01501	-0.00959
6.365	-0.08357	-0.01245	-0.0615	0.00589	-0.01443	-0.00649
6.37	-0.08551	-0.01284	-0.05057	0.01225	-0.01371	-0.00346
6.375	-0.08811	-0.01395	-0.03911	0.02432	-0.01295	-0.0012
6.38	-0.09153	-0.016	-0.02789	0.03894	-0.01224	-0.00029
6.385	-0.09575	-0.01906	-0.01769	0.05269	-0.01162	-0.00102
6.39	-0.10052	-0.02294	-0.00914	0.06294	-0.01112	-0.00336
6.395	-0.10544	-0.02722	-0.00263	0.06847	-0.01069	-0.00698
6.4	-0.10994	-0.03127	0.001755	0.06958	-0.01028	-0.01135
6.405	-0.11343	-0.0344	0.004125	0.06759	-0.00982	-0.0159
6.41	-0.11538	-0.03601	0.004965	0.06425	-0.00919	-0.02005
6.415	-0.11547	-0.03572	0.004875	0.06096	-0.00828	-0.02337
6.42	-0.11365	-0.03347	0.004635	0.05842	-0.00695	-0.02553
6.425	-0.11015	-0.02956	0.00501	0.05657	-0.00506	-0.02639
6.43	-0.1055	-0.02461	0.006675	0.05483	-0.0025	-0.02588
6.435	-0.10044	-0.01947	0.01017	0.05258	0.00082	-0.02407
6.44	-0.0958	-0.01501	0.015735	0.04952	0.00491	-0.02107
6.445	-0.09238	-0.012	0.02337	0.04589	0.0097	-0.01703
6.45	-0.09082	-0.01095	0.032805	0.04239	0.01502	-0.01214
6.455	-0.0915	-0.01202	0.043485	0.03995	0.0206	-0.0066
6.46	-0.09448	-0.01501	0.054705	0.03932	0.0261	-0.00064
6.465	-0.09951	-0.01943	0.065685	0.04079	0.03112	0.00546
6.47	-0.10608	-0.02457	0.0756	0.04398	0.03525	0.01135
6.475	-0.11351	-0.0297	0.083745	0.04787	0.03811	0.01662
6.48	-0.12107	-0.03422	0.089565	0.05097	0.03941	0.02089
6.485	-0.12808	-0.0377	0.0927	0.05165	0.03895	0.02385
6.49	-0.13399	-0.04002	0.09303	0.04848	0.03671	0.02539
6.495	-0.13843	-0.0413	0.090705	0.0406	0.03278	0.02568
6.5	-0.14121	-0.04182	0.08604	0.02804	0.02739	0.02522
6.505	-0.14229	-0.04194	0.079545	0.01179	0.02091	0.02481
6.51	-0.14173	-0.0419	0.07188	-0.00617	0.01375	0.02541
6.515	-0.13963	-0.04184	0.063675	-0.02319	0.00642	0.02789
6.52	-0.13612	-0.04165	0.05562	-0.03645	-0.00063	0.03279
6.525	-0.13135	-0.04112	0.04824	-0.04361	-0.00695	0.04007
6.53	-0.12549	-0.03995	0.041955	-0.04347	-0.01218	0.04898
6.535	-0.11877	-0.03792	0.036945	-0.03636	-0.01605	0.05816
6.54	-0.11145	-0.03498	0.033135	-0.02417	-0.01843	0.06584
6.545	-0.10382	-0.03127	0.03033	-0.00995	-0.01932	0.07026
6.55	-0.09617	-0.02715	0.028065	0.00294	-0.01883	0.07009
6.555	-0.08871	-0.0231	0.025845	0.0118	-0.01721	0.06472
6.56	-0.08157	-0.01955	0.023115	0.01539	-0.01478	0.05447
6.565	-0.07473	-0.01681	0.01941	0.01417	-0.01191	0.04054
6.57	-0.06809	-0.01495	0.01437	0.01	-0.00899	0.02474
6.575	-0.06146	-0.01379	0.007815	0.00546	-0.00639	0.00912
6.58	-0.05461	-0.01293	-0.00023	0.00297	-0.00438	-0.00445

6.585	-0.04729	-0.01186	-0.00959	0.00405	-0.00318	-0.01466
6.59	-0.03934	-0.01008	-0.01988	0.00903	-0.00287	-0.02099
6.595	-0.03067	-0.00724	-0.03062	0.01698	-0.00342	-0.02367
6.6	-0.02129	-0.00321	-0.0413	0.02619	-0.0047	-0.02363
6.605	-0.01139	0.00187	-0.05132	0.03458	-0.00646	-0.02215
6.61	-0.0013	0.00763	-0.06026	0.04033	-0.00842	-0.02057
6.615	0.0085	0.01348	-0.0677	0.04226	-0.01023	-0.02004
6.62	0.01745	0.01873	-0.0734	0.04012	-0.01156	-0.02124
6.625	0.02494	0.02273	-0.07724	0.03458	-0.01213	-0.02435
6.63	0.03045	0.02493	-0.07925	0.0271	-0.01174	-0.02903
6.635	0.0336	0.025	-0.07955	0.01954	-0.01031	-0.03456
6.64	0.03428	0.02294	-0.07827	0.01362	-0.00789	-0.03998
6.645	0.03265	0.01905	-0.07563	0.01048	-0.0047	-0.04432
6.65	0.02919	0.01389	-0.07179	0.01023	-0.00106	-0.04679
6.655	0.02459	0.00825	-0.06686	0.01193	0.00261	-0.04684
6.66	0.0197	0.00299	-0.06092	0.0138	0.00584	-0.04429
6.665	0.01539	-0.00115	-0.054	0.01384	0.0082	-0.03929
6.67	0.01241	-0.00359	-0.04613	0.01053	0.00937	-0.03225
6.675	0.01131	-0.00411	-0.03734	0.00339	0.00917	-0.02374
6.68	0.01236	-0.00277	-0.02778	-0.00672	0.00761	-0.01442
6.685	0.01556	0.00003	-0.01766	-0.01785	0.00487	-0.00494
6.69	0.02064	0.00374	-0.00735	-0.02761	0.00132	0.00408
6.695	0.02715	0.00773	0.00267	-0.03397	-0.00262	0.0121
6.7	0.03456	0.01147	0.011805	-0.03589	-0.00643	0.01862
6.705	0.04233	0.01462	0.019395	-0.03364	-0.00968	0.02318
6.71	0.04999	0.01708	0.024825	-0.02854	-0.01199	0.02541
6.715	0.05722	0.019	0.027585	-0.02231	-0.01315	0.02505
6.72	0.06382	0.0207	0.027285	-0.01638	-0.01308	0.02205
6.725	0.06969	0.02253	0.023805	-0.01134	-0.01186	0.01662
6.73	0.0748	0.0248	0.01734	-0.00691	-0.00969	0.00929
6.735	0.07908	0.02762	0.008295	-0.00233	-0.00687	0.00086
6.74	0.08235	0.03084	-0.00263	0.00307	-0.00376	-0.00765
6.745	0.08429	0.03405	-0.01458	0.00933	-0.00069	-0.01519
6.75	0.08445	0.03658	-0.02658	0.01582	0.00203	-0.02084
6.755	0.08229	0.03769	-0.03767	0.02155	0.00418	-0.02395
6.76	0.07729	0.03664	-0.04692	0.0257	0.00564	-0.02432
6.765	0.06911	0.03294	-0.05369	0.02811	0.00641	-0.02211
6.77	0.05767	0.02641	-0.0575	0.02938	0.00661	-0.01787
6.775	0.04328	0.01734	-0.0582	0.03055	0.00642	-0.01235
6.78	0.02663	0.0064	-0.05597	0.03254	0.00608	-0.00634
6.785	0.00875	-0.00538	-0.05117	0.03565	0.00583	-0.00052
6.79	-0.0091	-0.01681	-0.04442	0.03944	0.00583	0.00461
6.795	-0.02556	-0.02674	-0.03642	0.04307	0.00618	0.00877
6.8	-0.03938	-0.03421	-0.0279	0.04577	0.00687	0.01187
6.805	-0.04949	-0.03861	-0.01955	0.04732	0.00775	0.01396
6.81	-0.05518	-0.03974	-0.01196	0.04813	0.00862	0.01519
6.815	-0.05615	-0.03779	-0.00555	0.04904	0.00919	0.0158
6.82	-0.05253	-0.03328	-0.00065	0.05077	0.00921	0.01608
6.825	-0.04486	-0.02692	0.00261	0.05342	0.00847	0.01638
6.83	-0.03395	-0.01948	0.004275	0.05628	0.00687	0.0171
6.835	-0.02083	-0.01169	0.004485	0.058	0.00448	0.01867
6.84	-0.00654	-0.00411	0.003525	0.05708	0.00151	0.02138
6.845	0.00798	0.00291	0.001725	0.05254	-0.0017	0.02534
6.85	0.02194	0.00922	-0.00053	0.04438	-0.00469	0.03035
6.855	0.03482	0.0149	-0.0029	0.03371	-0.00703	0.0359
6.86	0.0463	0.02011	-0.005	0.02246	-0.00833	0.0412
6.865	0.05626	0.02502	-0.00659	0.01281	-0.00833	0.04532
6.87	0.06469	0.02977	-0.00746	0.00656	-0.00699	0.0474
6.875	0.07162	0.03435	-0.00749	0.00463	-0.00445	0.04682
6.88	0.07708	0.03858	-0.00662	0.00691	-0.00109	0.04331
6.885	0.08106	0.04219	-0.00485	0.01237	0.0026	0.03701
6.89	0.0835	0.04485	-0.00222	0.01956	0.00604	0.02845
6.895	0.08435	0.04625	0.0012	0.02703	0.00869	0.01836
6.9	0.08353	0.04621	0.00531	0.03388	0.01008	0.00758
6.905	0.08098	0.04471	0.00999	0.03994	0.00996	-0.00313
6.91	0.07665	0.04185	0.01512	0.04578	0.00826	-0.01312

6.915	0.0705	0.03786	0.020535	0.0525	0.00515	-0.02189
6.92	0.06251	0.03294	0.026055	0.06121	0.001	-0.02905
6.925	0.05275	0.02728	0.031515	0.07258	-0.00369	-0.03428
6.93	0.04136	0.02096	0.036675	0.08639	-0.00831	-0.03726
6.935	0.02867	0.01406	0.041325	0.10137	-0.01224	-0.03773
6.94	0.0152	0.00667	0.045255	0.1153	-0.01494	-0.03553
6.945	0.00169	-0.001	0.048195	0.12564	-0.01604	-0.03065
6.95	-0.01097	-0.00856	0.049965	0.13024	-0.01533	-0.02334
6.955	-0.02186	-0.01541	0.050325	0.12812	-0.01286	-0.01411
6.96	-0.03015	-0.0209	0.049185	0.11992	-0.00891	-0.00367
6.965	-0.03526	-0.0244	0.046485	0.10785	-0.00392	0.00711
6.97	-0.03699	-0.02548	0.042375	0.0949	0.00155	0.01731
6.975	-0.03552	-0.02408	0.037065	0.08353	0.00689	0.02611
6.98	-0.03138	-0.02054	0.031005	0.07464	0.01156	0.03286
6.985	-0.0254	-0.01557	0.02463	0.06715	0.01513	0.03712
6.99	-0.01853	-0.01011	0.018465	0.05863	0.01737	0.03867
6.995	-0.01175	-0.00518	0.012945	0.0464	0.01825	0.0375
7	-0.00594	-0.00165	0.00837	0.02894	0.01789	0.03384
7.005	-0.00172	-0.00012	0.00483	0.00673	0.0166	0.02806
7.01	0.0006	-0.00077	0.002205	-0.01775	0.01475	0.02073
7.015	0.00111	-0.00332	0.00015	-0.04079	0.01275	0.01259
7.02	0.00027	-0.00713	-0.00182	-0.05881	0.01099	0.00449
7.025	-0.00117	-0.01127	-0.00423	-0.06951	0.00973	-0.00263
7.03	-0.00228	-0.01472	-0.00764	-0.07256	0.00916	-0.00785
7.035	-0.00217	-0.01655	-0.01241	-0.06947	0.00931	-0.01041
7.04	-0.00014	-0.01611	-0.01871	-0.06284	0.01008	-0.00979
7.045	0.00414	-0.0132	-0.02652	-0.05541	0.01128	-0.0059
7.05	0.01058	-0.0081	-0.03551	-0.04922	0.01264	0.00092
7.055	0.01868	-0.00157	-0.04511	-0.04524	0.01386	0.00985
7.06	0.02761	0.00537	-0.05468	-0.04351	0.01467	0.01969
7.065	0.03641	0.01159	-0.06344	-0.04358	0.01486	0.02896
7.07	0.04414	0.01611	-0.07062	-0.04496	0.01433	0.03613
7.075	0.05008	0.01837	-0.07562	-0.04736	0.01308	0.03985
7.08	0.05383	0.01826	-0.07796	-0.05069	0.01123	0.0392
7.085	0.05536	0.01623	-0.07745	-0.05477	0.00898	0.03388
7.09	0.05493	0.01305	-0.07406	-0.05914	0.0066	0.02437
7.095	0.05307	0.0097	-0.0681	-0.06296	0.00436	0.01191
7.1	0.05039	0.00703	-0.06002	-0.06519	0.00249	-0.00163
7.105	0.04752	0.00565	-0.05043	-0.06491	0.00113	-0.01406
7.11	0.04497	0.00573	-0.04001	-0.06166	0.00035	-0.02329
7.115	0.04314	0.00705	-0.02945	-0.05559	0.00008	-0.02777
7.12	0.04224	0.00913	-0.01931	-0.04742	0.00017	-0.02685
7.125	0.04234	0.01133	-0.01007	-0.0382	0.00039	-0.02097
7.13	0.04339	0.01311	-0.00195	-0.02903	0.00051	-0.01163
7.135	0.04523	0.01412	0.004965	-0.0209	0.00032	-0.00108
7.14	0.04764	0.0143	0.010845	-0.01463	-0.00034	0.00812
7.145	0.05037	0.01382	0.01593	-0.01096	-0.00152	0.01363
7.15	0.0532	0.01299	0.020595	-0.01049	-0.00317	0.01388
7.155	0.05596	0.01221	0.025245	-0.01361	-0.00515	0.00836
7.16	0.05862	0.0118	0.030165	-0.02019	-0.00723	-0.00226
7.165	0.06129	0.01198	0.035565	-0.02938	-0.00914	-0.01623
7.17	0.06418	0.01286	0.041475	-0.03955	-0.01059	-0.03113
7.175	0.06766	0.01446	0.047775	-0.04855	-0.01135	-0.04434
7.18	0.07208	0.01674	0.054165	-0.05436	-0.01123	-0.05359
7.185	0.07774	0.01967	0.06021	-0.05593	-0.01015	-0.05739
7.19	0.08478	0.0232	0.065355	-0.05373	-0.00816	-0.05532
7.195	0.09312	0.02727	0.069045	-0.04962	-0.0054	-0.04805
7.2	0.10242	0.03175	0.07071	-0.04614	-0.00213	-0.03723
7.205	0.11212	0.03643	0.0699	-0.04542	0.00136	-0.02512
7.21	0.12148	0.04102	0.06636	-0.04838	0.00472	-0.01411
7.215	0.1297	0.04514	0.060075	-0.05422	0.00763	-0.00633
7.22	0.13601	0.04836	0.051345	-0.06078	0.00983	-0.00319
7.225	0.13982	0.05029	0.040725	-0.06533	0.01114	-0.00524
7.23	0.14076	0.05067	0.029055	-0.06555	0.01149	-0.01204
7.235	0.13881	0.04942	0.01734	-0.06038	0.01088	-0.02239
7.24	0.13423	0.04669	0.006645	-0.05037	0.00943	-0.03459

7.245	0.12759	0.04287	-0.00203	-0.03746	0.00729	-0.04681
7.25	0.11959	0.03849	-0.00779	-0.02436	0.00467	-0.05744
7.255	0.111	0.03418	-0.01007	-0.01372	0.00176	-0.06538
7.26	0.10248	0.03047	-0.00861	-0.00741	-0.00123	-0.07015
7.265	0.09446	0.02771	-0.00353	-0.00604	-0.00415	-0.07186
7.27	0.08708	0.02593	0.004755	-0.00888	-0.00689	-0.07113
7.275	0.08017	0.02486	0.015465	-0.01416	-0.00938	-0.06881
7.28	0.07335	0.02392	0.027615	-0.01955	-0.01163	-0.06583
7.285	0.0661	0.02241	0.04014	-0.02277	-0.01366	-0.06293
7.29	0.05793	0.01966	0.051945	-0.02213	-0.01554	-0.06057
7.295	0.04854	0.01521	0.062025	-0.01693	-0.01733	-0.05887
7.3	0.0379	0.00898	0.069585	-0.00755	-0.01907	-0.05761
7.305	0.02633	0.00131	0.07413	0.0047	-0.02072	-0.05635
7.31	0.01442	-0.00706	0.07542	0.01806	-0.0222	-0.05453
7.315	0.00298	-0.01511	0.073605	0.03078	-0.02336	-0.05161
7.32	-0.0071	-0.02181	0.069105	0.04174	-0.02399	-0.04721
7.325	-0.01507	-0.02628	0.062655	0.05064	-0.02388	-0.04123
7.33	-0.02034	-0.02805	0.05511	0.05807	-0.02282	-0.03396
7.335	-0.02264	-0.02707	0.047415	0.06509	-0.02071	-0.02604
7.34	-0.02203	-0.02377	0.040485	0.07267	-0.01754	-0.01844
7.345	-0.01881	-0.01891	0.035085	0.08114	-0.01347	-0.01231
7.35	-0.01352	-0.01337	0.03171	0.08987	-0.00876	-0.00878
7.355	-0.0068	-0.00797	0.030585	0.09738	-0.00381	-0.00872
7.36	0.00065	-0.00329	0.03159	0.10178	0.00095	-0.01252
7.365	0.0081	0.00038	0.03426	0.10149	0.00507	-0.01991
7.37	0.01489	0.00304	0.03789	0.09591	0.00819	-0.02999
7.375	0.02039	0.00488	0.04161	0.0857	0.01005	-0.04129
7.38	0.02415	0.00614	0.044505	0.07269	0.01054	-0.05202
7.385	0.02587	0.00701	0.04578	0.05928	0.00971	-0.0604
7.39	0.02556	0.0076	0.044835	0.04767	0.00772	-0.06497
7.395	0.02348	0.00795	0.04134	0.03918	0.00485	-0.06481
7.4	0.02009	0.00804	0.03531	0.03383	0.0014	-0.05971
7.405	0.016	0.00787	0.027045	0.03045	-0.00231	-0.05012
7.41	0.01175	0.00749	0.017145	0.0271	-0.00598	-0.03703
7.415	0.00769	0.00694	0.006345	0.02171	-0.00939	-0.02179
7.42	0.00394	0.00624	-0.0044	0.01273	-0.01236	-0.00586
7.425	0.00032	0.0053	-0.01412	-0.00044	-0.01478	0.00939
7.43	-0.00348	0.00396	-0.02183	-0.01725	-0.01662	0.02283
7.435	-0.0078	0.00202	-0.02672	-0.03617	-0.0179	0.03362
7.44	-0.01289	-0.00067	-0.02805	-0.05507	-0.01865	0.04126
7.445	-0.01876	-0.00413	-0.02546	-0.07174	-0.01896	0.0456
7.45	-0.02517	-0.00815	-0.01881	-0.08444	-0.0189	0.04681
7.455	-0.03168	-0.01232	-0.00836	-0.0923	-0.01853	0.04535
7.46	-0.03775	-0.01609	0.005295	-0.09543	-0.01792	0.04197
7.465	-0.04286	-0.01891	0.021285	-0.09482	-0.01711	0.03763
7.47	-0.04663	-0.02037	0.038445	-0.09198	-0.01615	0.03338
7.475	-0.04891	-0.02034	0.05553	-0.08843	-0.01507	0.0302
7.48	-0.04979	-0.01902	0.07122	-0.0853	-0.01393	0.02887
7.485	-0.04958	-0.01688	0.08433	-0.08306	-0.01278	0.02982
7.49	-0.04876	-0.01457	0.093825	-0.08159	-0.01172	0.03298
7.495	-0.04787	-0.01275	0.099015	-0.08042	-0.01083	0.03784
7.5	-0.04741	-0.01198	0.099495	-0.07909	-0.01021	0.04345
7.505	-0.04779	-0.01254	0.095325	-0.07741	-0.00992	0.04866
7.51	-0.04925	-0.01444	0.086835	-0.07563	-0.01	0.05227
7.515	-0.05182	-0.01742	0.07476	-0.07424	-0.01046	0.05332
7.52	-0.05533	-0.02102	0.060075	-0.0737	-0.01126	0.0513
7.525	-0.05941	-0.02469	0.043995	-0.07411	-0.01234	0.04622
7.53	-0.06354	-0.02787	0.027735	-0.07509	-0.0136	0.03866
7.535	-0.06714	-0.0301	0.012585	-0.07578	-0.01493	0.02965
7.54	-0.06963	-0.03107	-0.00035	-0.07513	-0.01623	0.02041
7.545	-0.0705	-0.03062	-0.01014	-0.07227	-0.0174	0.01212
7.55	-0.06945	-0.02873	-0.01619	-0.06684	-0.01837	0.00566
7.555	-0.06639	-0.02556	-0.01821	-0.05906	-0.0191	0.00145
7.56	-0.06149	-0.02138	-0.01634	-0.04965	-0.01954	-0.00064
7.565	-0.05514	-0.01654	-0.01106	-0.03952	-0.01968	-0.0012
7.57	-0.04793	-0.01146	-0.00321	-0.02954	-0.0195	-0.00109

7.575	-0.04056	-0.00657	0.006105	-0.02033	-0.01898	-0.00123
7.58	-0.03376	-0.00228	0.01563	-0.0123	-0.01807	-0.00239
7.585	-0.02818	0.00106	0.024045	-0.00576	-0.0167	-0.00494
7.59	-0.02436	0.00317	0.03009	-0.00113	-0.0148	-0.00883
7.595	-0.02266	0.00388	0.032775	0.00106	-0.01228	-0.01354
7.6	-0.02319	0.00316	0.031365	0.0003	-0.0091	-0.01828
7.605	-0.02576	0.00113	0.02559	-0.0035	-0.00523	-0.02214
7.61	-0.02987	-0.00191	0.015645	-0.00974	-0.0007	-0.02436
7.615	-0.0347	-0.00551	0.002235	-0.01711	0.00438	-0.02459
7.62	-0.03929	-0.00905	-0.01358	-0.02378	0.00984	-0.02297
7.625	-0.04262	-0.01187	-0.03035	-0.02793	0.01542	-0.02019
7.63	-0.04382	-0.01334	-0.04649	-0.02823	0.02085	-0.01731
7.635	-0.04231	-0.01301	-0.06041	-0.02429	0.02581	-0.0155
7.64	-0.03788	-0.01069	-0.07079	-0.01674	0.03001	-0.01575
7.645	-0.03072	-0.00653	-0.07664	-0.00714	0.03316	-0.0186
7.65	-0.02137	-0.00096	-0.07755	0.0025	0.03505	-0.02395
7.655	-0.01061	0.00536	-0.07364	0.01016	0.03555	-0.03101
7.66	0.00062	0.01168	-0.06564	0.01441	0.0346	-0.03851
7.665	0.01143	0.0173	-0.05474	0.01467	0.03227	-0.04491
7.67	0.021	0.0217	-0.04244	0.01137	0.02873	-0.0488
7.675	0.02869	0.02456	-0.03038	0.00579	0.02425	-0.04918
7.68	0.0341	0.02583	-0.02015	-0.00039	0.01918	-0.04565
7.685	0.03706	0.02562	-0.01298	-0.00553	0.01395	-0.03848
7.69	0.0376	0.02421	-0.00977	-0.00857	0.00898	-0.02849
7.695	0.03596	0.02189	-0.01085	-0.00932	0.00467	-0.01686
7.7	0.0325	0.01894	-0.01601	-0.00845	0.00138	-0.00484
7.705	0.02769	0.01564	-0.02457	-0.00731	-0.00068	0.00648
7.71	0.02203	0.01216	-0.03545	-0.00735	-0.00142	0.01632
7.715	0.01596	0.00866	-0.04734	-0.00969	-0.00089	0.0243
7.72	0.00989	0.00526	-0.05888	-0.0147	0.00072	0.03041
7.725	0.0041	0.00202	-0.06885	-0.02192	0.0031	0.03488
7.73	-0.00123	-0.001	-0.07626	-0.03032	0.00586	0.03812
7.735	-0.00605	-0.00378	-0.08054	-0.03869	0.0086	0.04049
7.74	-0.01036	-0.00634	-0.08156	-0.04612	0.0109	0.04228
7.745	-0.01422	-0.00871	-0.07958	-0.05229	0.01245	0.04363
7.75	-0.01769	-0.01092	-0.07527	-0.05743	0.01301	0.04453
7.755	-0.02078	-0.01302	-0.06953	-0.06206	0.01244	0.04488
7.76	-0.02345	-0.015	-0.06339	-0.0666	0.01079	0.04454
7.765	-0.02553	-0.01678	-0.05787	-0.07103	0.00817	0.04344
7.77	-0.02675	-0.0182	-0.05381	-0.0749	0.00486	0.04165
7.775	-0.02674	-0.01902	-0.0518	-0.0775	0.00121	0.0394
7.78	-0.02507	-0.0189	-0.05214	-0.07835	-0.00237	0.03709
7.785	-0.0213	-0.01749	-0.05474	-0.07751	-0.00544	0.0352
7.79	-0.01516	-0.01447	-0.05924	-0.0757	-0.00759	0.03418
7.795	-0.0066	-0.00966	-0.06497	-0.07401	-0.0085	0.03432
7.8	-0.00403	-0.00314	-0.07112	-0.0733	-0.00796	0.03567
7.805	0.01592	0.00468	-0.07682	-0.0737	-0.00591	0.03796
7.81	0.02785	0.01304	-0.08117	-0.07437	-0.00249	0.0407
7.815	0.0384	0.0209	-0.08343	-0.07391	0.00203	0.04321
7.82	0.04624	0.02713	-0.08307	-0.07089	0.00723	0.04481
7.825	0.0504	0.03079	-0.0798	-0.06457	0.01258	0.04494
7.83	0.05048	0.03135	-0.07362	-0.05515	0.01755	0.04328
7.835	0.04667	0.02884	-0.06482	-0.0437	0.02163	0.0398
7.84	0.03973	0.0239	-0.05393	-0.03159	0.02441	0.0348
7.845	0.0307	0.0176	-0.0416	-0.01995	0.02562	0.0288
7.85	0.02076	0.01117	-0.02865	-0.00932	0.0252	0.02248
7.855	0.01092	0.00569	-0.01586	0.00034	0.02324	0.01655
7.86	0.00188	0.00183	-0.00396	0.00928	0.02004	0.0116
7.865	-0.00603	-0.0003	0.006405	0.01755	0.01598	0.00801
7.87	-0.01285	-0.00113	0.01476	0.02476	0.01158	0.00592
7.875	-0.0189	-0.00145	0.020775	0.03021	0.00731	0.00519
7.88	-0.0246	-0.00216	0.024255	0.03327	0.00362	0.00548
7.885	-0.0304	-0.00398	0.025215	0.03386	0.00082	0.00632
7.89	-0.03663	-0.00724	0.023745	0.03272	-0.00094	0.0073
7.895	-0.04344	-0.01182	0.020115	0.03131	-0.00167	0.00811
7.9	-0.05077	-0.01715	0.01473	0.03131	-0.00155	0.0087



7.905	-0.0584	-0.02244	0.008085	0.03399	-0.00085	0.0092
7.91	-0.06603	-0.02685	0.000765	0.03968	0.00009	0.00997
7.915	-0.07328	-0.02976	-0.0065	0.04765	0.00098	0.01143
7.92	-0.07989	-0.03093	-0.01301	0.05638	0.00155	0.01397
7.925	-0.08569	-0.03054	-0.01806	0.06417	0.00169	0.01782
7.93	-0.09069	-0.02918	-0.02103	0.06989	0.00136	0.02299
7.935	-0.09507	-0.02771	-0.02144	0.07332	0.00064	0.02928
7.94	-0.09916	-0.02704	-0.01896	0.07524	-0.00034	0.0363
7.945	-0.10332	-0.02795	-0.01352	0.07697	-0.00142	0.04355
7.95	-0.10786	-0.03093	-0.00527	0.07978	-0.00244	0.05053
7.955	-0.11292	-0.03598	0.005385	0.08431	-0.00328	0.05681
7.96	-0.1184	-0.04268	0.017835	0.09028	-0.00388	0.06207
7.965	-0.12389	-0.05018	0.031275	0.09665	-0.00424	0.06612
7.97	-0.1287	-0.05735	0.044775	0.10202	-0.00442	0.06889
7.975	-0.13191	-0.06298	0.057345	0.10516	-0.00447	0.07038
7.98	-0.13254	-0.06595	0.067995	0.10548	-0.00449	0.07063
7.985	-0.12971	-0.06549	0.075885	0.10308	-0.00451	0.06967
7.99	-0.12283	-0.06126	0.080295	0.09862	-0.00456	0.06748
7.995	-0.11177	-0.05348	0.080835	0.09294	-0.00457	0.06404
8	-0.09695	-0.04294	0.07737	0.08666	-0.00444	0.05929
8.005	-0.0793	-0.03084	0.070125	0.08007	-0.00404	0.05327
8.01	-0.0602	-0.01866	0.059655	0.07308	-0.00322	0.04611
8.015	-0.04126	-0.0079	0.046785	0.06547	-0.00188	0.03814
8.02	-0.02399	0.00023	0.03258	0.05719	0.00005	0.02987
8.025	-0.0095	0.005	0.018195	0.04864	0.00249	0.02193
8.03	0.00174	0.00636	0.00477	0.04078	0.00533	0.01499
8.035	0.01003	0.00503	-0.00668	0.03488	0.00836	0.00961
8.04	0.01637	0.0023	-0.01541	0.03211	0.01133	0.00604
8.045	0.02218	-0.00015	-0.02099	0.03307	0.01402	0.00415
8.05	0.02905	-0.00065	-0.02342	0.03738	0.01625	0.00336
8.055	0.03838	0.00213	-0.02306	0.04356	0.0179	0.00272
8.06	0.0511	0.00886	-0.02063	0.04932	0.01896	0.00114
8.065	0.06751	0.01943	-0.01706	0.05215	0.01947	-0.00237
8.07	0.08719	0.03298	-0.01335	0.0501	0.01954	-0.00846
8.075	0.10908	0.04808	-0.01053	0.04253	0.01929	-0.01714
8.08	0.13166	0.063	-0.00944	0.0304	0.01884	-0.02775
8.085	0.15311	0.07608	-0.01064	0.01613	0.01829	-0.03898
8.09	0.17163	0.08596	-0.01439	0.0029	0.01768	-0.04911
8.095	0.1857	0.09181	-0.02061	-0.0063	0.01703	-0.05629
8.1	0.19425	0.09341	-0.02891	-0.00961	0.01632	-0.0589
8.105	0.19681	0.0911	-0.03864	-0.00685	0.01549	-0.05601
8.11	0.1936	0.08568	-0.04898	0.00051	0.0145	-0.04753
8.115	0.18541	0.07819	-0.05903	0.00995	0.01328	-0.03446
8.12	0.1735	0.06976	-0.06794	0.01883	0.01183	-0.01867
8.125	0.15939	0.06139	-0.07499	0.02524	0.01013	-0.0027
8.13	0.14463	0.05387	-0.07961	0.02854	0.00824	0.0108
8.135	0.1306	0.04765	-0.08153	0.02928	0.00622	0.01956
8.14	0.11833	0.04288	-0.08069	0.02873	0.00418	0.02215
8.145	0.1084	0.03944	-0.0773	0.02818	0.00223	0.01832
8.15	0.10096	0.03701	-0.07173	0.02827	0.00051	0.00896
8.155	0.09571	0.0352	-0.06453	0.02885	-0.00088	-0.00403
8.16	0.09205	0.03363	-0.05633	0.0292	-0.00184	-0.01824
8.165	0.08917	0.03195	-0.04775	0.02858	-0.0023	-0.03124
8.17	0.08621	0.02994	-0.03938	0.02681	-0.00221	-0.04106
8.175	0.08237	0.02745	-0.03176	0.02453	-0.00155	-0.04658
8.18	0.07704	0.0244	-0.02528	0.02302	-0.00035	-0.04765
8.185	0.06988	0.02076	-0.02021	0.02365	0.00133	-0.04499
8.19	0.06087	0.01656	-0.0167	0.02716	0.00338	-0.03994
8.195	0.05029	0.01189	-0.01473	0.03324	0.00563	-0.03405
8.2	0.03867	0.0069	-0.01415	0.04048	0.00786	-0.02877
8.205	0.02669	0.00185	-0.0147	0.0469	0.00983	-0.02511
8.21	0.01501	-0.00298	-0.01598	0.05075	0.01124	-0.02353
8.215	0.00419	-0.00733	-0.01755	0.05127	0.01185	-0.02395
8.22	-0.00552	-0.011	-0.0189	0.04901	0.01143	-0.02583
8.225	-0.01415	-0.01398	-0.01949	0.04568	0.00983	-0.0284
8.23	-0.02203	-0.01642	-0.0188	0.04333	0.00704	-0.03083

8.235	-0.02961	-0.01866	-0.01641	0.04337	0.00312	-0.03238
8.24	-0.03736	-0.02106	-0.01203	0.04582	-0.00174	-0.03252
8.245	-0.04554	-0.02396	-0.00555	0.04938	-0.00724	-0.03093
8.25	-0.05416	-0.02748	0.002925	0.05198	-0.01305	-0.02747
8.255	-0.06292	-0.03147	0.013065	0.0517	-0.01879	-0.02212
8.26	-0.07129	-0.03556	0.024345	0.04766	-0.02412	-0.01497
8.265	-0.07859	-0.03913	0.036105	0.04039	-0.02872	-0.00619
8.27	-0.08415	-0.04158	0.047625	0.03176	-0.03234	0.00389
8.275	-0.08746	-0.04237	0.058185	0.02429	-0.03481	0.01469
8.28	-0.08832	-0.04129	0.067125	0.02037	-0.03601	0.0254
8.285	-0.08685	-0.03845	0.073965	0.02143	-0.03591	0.03493
8.29	-0.08356	-0.03439	0.078345	0.02751	-0.03453	0.04214
8.295	-0.07918	-0.02988	0.080115	0.03725	-0.03196	0.04599
8.3	-0.07459	-0.02588	0.07932	0.0483	-0.02835	0.04582
8.305	-0.07059	-0.02321	0.076185	0.05799	-0.02388	0.04151
8.31	-0.06777	-0.02244	0.071085	0.064	-0.0188	0.03357
8.315	-0.06636	-0.02367	0.064485	0.06495	-0.01338	0.023
8.32	-0.06616	-0.02651	0.056955	0.06066	-0.00793	0.01116
8.325	-0.06663	-0.03013	0.049035	0.05214	-0.00275	-0.00056
8.33	-0.06696	-0.03345	0.041265	0.0412	0.0019	-0.01098
8.335	-0.06625	-0.03537	0.03411	0.0299	0.00578	-0.01934
8.34	-0.06368	-0.03498	0.027945	0.02003	0.00871	-0.02533
8.345	-0.05866	-0.03183	0.022995	0.01261	0.01064	-0.02904
8.35	-0.05099	-0.02599	0.019365	0.00769	0.01155	-0.03078
8.355	-0.04084	-0.01802	0.017025	0.00444	0.01154	-0.03091
8.36	-0.02875	-0.00889	0.015885	0.00148	0.01077	-0.02972
8.365	-0.01555	0.0003	0.015675	-0.00264	0.00942	-0.02739
8.37	-0.00221	0.00846	0.016125	-0.00902	0.0077	-0.02406
8.375	0.01027	0.01479	0.016905	-0.01807	0.00578	-0.01988
8.38	0.02106	0.01887	0.01767	-0.02948	0.0038	-0.01517
8.385	0.02957	0.02072	0.01812	-0.04244	0.00186	-0.01041
8.39	0.03552	0.02072	0.01797	-0.05587	-0.00001	-0.00623
8.395	0.03895	0.01949	0.017025	-0.06874	-0.00179	-0.00337
8.4	0.04019	0.01774	0.01518	-0.0802	-0.0035	-0.00251
8.405	0.03978	0.01611	0.012435	-0.08953	-0.00516	-0.00415
8.41	0.03831	0.01505	0.008895	-0.09601	-0.00679	-0.00853
8.415	0.03635	0.01474	0.004725	-0.0988	-0.00838	-0.01554
8.42	0.03432	0.01507	0.000165	-0.09696	-0.00993	-0.02474
8.425	0.03247	0.01574	-0.00449	-0.08975	-0.01141	-0.03542
8.43	0.03082	0.01631	-0.00893	-0.07704	-0.01278	-0.0467
8.435	0.02925	0.01637	-0.01284	-0.05966	-0.01398	-0.05755
8.44	0.02755	0.01559	-0.01596	-0.03956	-0.01495	-0.067
8.445	0.02549	0.01384	-0.01799	-0.01956	-0.0156	-0.07413
8.45	0.02286	0.0112	-0.01874	-0.00271	-0.01583	-0.07825
8.455	0.01952	0.00791	-0.01808	0.00866	-0.01556	-0.0789
8.46	0.01548	0.00431	-0.01595	0.01363	-0.01474	-0.07597
8.465	0.01088	0.00077	-0.01244	0.01303	-0.01334	-0.06969
8.47	0.006	-0.00238	-0.00771	0.00902	-0.01141	-0.06057
8.475	0.00125	-0.00489	-0.00203	0.00425	-0.00906	-0.0494
8.48	-0.00288	-0.00663	0.00429	0.00084	-0.00647	-0.03709
8.485	-0.00592	-0.00752	0.010905	-0.00035	-0.00386	-0.02457
8.49	-0.00746	-0.00755	0.01749	0.00012	-0.00146	-0.01268
8.495	-0.00723	-0.00677	0.023775	0.00065	0.00052	-0.0021
8.5	-0.00513	-0.00522	0.029535	-0.00052	0.00192	0.00676
8.505	-0.00127	-0.00297	0.03462	-0.00442	0.00266	0.01371
8.51	0.00407	-0.0001	0.03891	-0.01076	0.00274	0.01876
8.515	0.01046	0.00331	0.042345	-0.01796	0.00226	0.02209
8.52	0.01736	0.00711	0.044925	-0.02366	0.0014	0.02392
8.525	0.0242	0.01112	0.04662	-0.0257	0.00037	0.02451
8.53	0.03037	0.01512	0.047445	-0.02298	-0.00061	0.02407
8.535	0.03528	0.01882	0.0474	-0.01602	-0.00135	0.02277
8.54	0.03845	0.02186	0.04647	-0.00691	-0.00175	0.02072
8.545	0.03949	0.02391	0.044625	0.00132	-0.00177	0.01803
8.55	0.03816	0.02462	0.041865	0.00576	-0.00149	0.01481
8.555	0.03442	0.02376	0.03816	0.0046	-0.00105	0.01122
8.56	0.02844	0.02124	0.033495	-0.00217	-0.00066	0.00745

8.565	0.02059	0.01719	0.027885	-0.01271	-0.00054	0.00375
8.57	0.01142	0.01192	0.02133	-0.0239	-0.00086	0.00037
8.575	0.00161	0.00594	0.01392	-0.03229	-0.00176	-0.00244
8.58	-0.00808	-0.00013	0.005745	-0.0352	-0.00326	-0.00454
8.585	-0.01693	-0.00563	-0.00305	-0.03158	-0.00526	-0.00589
8.59	-0.02428	-0.00998	-0.01226	-0.02223	-0.0076	-0.00657
8.595	-0.02964	-0.01278	-0.02169	-0.00949	-0.00998	-0.00673
8.6	-0.0327	-0.01382	-0.03107	0.00356	-0.0121	-0.00662
8.605	-0.03337	-0.01311	-0.0401	0.01413	-0.01363	-0.00643
8.61	-0.03177	-0.01088	-0.04848	0.02052	-0.01429	-0.00623
8.615	-0.02822	-0.00751	-0.05594	0.0225	-0.01388	-0.00594
8.62	-0.0232	-0.00344	-0.06216	0.02116	-0.01232	-0.00527
8.625	-0.01728	0.00087	-0.06696	0.01824	-0.00965	-0.00377
8.63	-0.01105	0.00501	-0.07019	0.01537	-0.00606	-0.00098
8.635	-0.0051	0.00868	-0.07185	0.01337	-0.00181	0.0035
8.64	0.00006	0.01166	-0.07206	0.012	0.00276	0.00983
8.645	0.00398	0.01385	-0.0711	0.01017	0.00729	0.01784
8.65	0.00627	0.01515	-0.06941	0.00666	0.01147	0.02697
8.655	0.00655	0.01548	-0.06741	0.0009	0.01507	0.03634
8.66	0.00447	0.01471	-0.06561	-0.00646	0.01795	0.04483
8.665	-0.00028	0.01264	-0.06437	-0.01373	0.02009	0.05132
8.67	-0.00788	0.00907	-0.06383	-0.01869	0.02153	0.05483
8.675	-0.01826	0.00385	-0.06399	-0.01955	0.02237	0.05478
8.68	-0.03106	-0.00297	-0.06458	-0.0157	0.02272	0.05111
8.685	-0.04558	-0.01113	-0.06515	-0.00802	0.02268	0.04432
8.69	-0.06084	-0.02003	-0.0651	0.00136	0.0223	0.03544
8.695	-0.0757	-0.02887	-0.06383	0.00982	0.0216	0.02584
8.7	-0.08901	-0.03674	-0.06078	0.01521	0.02053	0.01699
8.705	-0.09979	-0.0428	-0.05561	0.01655	0.01903	0.01017
8.71	-0.10734	-0.04645	-0.04817	0.0143	0.01705	0.00623
8.715	-0.11137	-0.04745	-0.03869	0.01012	0.01454	0.00543
8.72	-0.11195	-0.04599	-0.02765	0.00623	0.0115	0.00741
8.725	-0.10955	-0.04265	-0.01583	0.0046	0.00802	0.01125
8.73	-0.10484	-0.03821	-0.00423	0.00637	0.00423	0.01577
8.735	-0.09863	-0.03354	0.006105	0.01166	0.00033	0.01969
8.74	-0.09168	-0.02936	0.014145	0.01965	-0.00343	0.02195
8.745	-0.08458	-0.02609	0.01908	0.02905	-0.0068	0.02193
8.75	-0.07771	-0.0238	0.020385	0.03853	-0.00958	0.0195
8.755	-0.07116	-0.02224	0.017895	0.04701	-0.01159	0.01507
8.76	-0.06487	-0.02089	0.01185	0.05375	-0.01279	0.00947
8.765	-0.05862	-0.01919	0.002865	0.05828	-0.01321	0.0038
8.77	-0.05217	-0.01667	-0.00816	0.06023	-0.013	-0.00079
8.775	-0.04538	-0.01315	-0.02009	0.05927	-0.01237	-0.00327
8.78	-0.03821	-0.00875	-0.03174	0.05516	-0.01156	-0.0029
8.785	-0.03075	-0.00392	-0.04199	0.04799	-0.01081	0.00061
8.79	-0.02316	0.00074	-0.04989	0.03826	-0.01029	0.00699
8.795	-0.0156	0.00462	-0.05477	0.02696	-0.01007	0.01536
8.8	-0.00816	0.00733	-0.05627	0.01537	-0.01014	0.02429
8.805	-0.00078	0.00882	-0.05441	0.0047	-0.01037	0.03203
8.81	0.00667	0.00946	-0.04952	-0.0043	-0.01053	0.03683
8.815	0.01439	0.00988	-0.04224	-0.01157	-0.01037	0.03732
8.82	0.02251	0.01085	-0.03341	-0.01771	-0.00965	0.03281
8.825	0.03098	0.01297	-0.02393	-0.02365	-0.00819	0.02357
8.83	0.03955	0.01649	-0.01476	-0.03016	-0.0059	0.01074
8.835	0.04776	0.02115	-0.00668	-0.03745	-0.00283	-0.00382
8.84	0.05503	0.02625	-0.0003	-0.04497	0.00086	-0.01792
8.845	0.0608	0.03077	0.004035	-0.05164	0.00488	-0.02956
8.85	0.0647	0.03373	0.006315	-0.05635	0.0089	-0.03729
8.855	0.06663	0.03441	0.00672	-0.05845	0.01256	-0.04052
8.86	0.0668	0.03261	0.00573	-0.05808	0.01555	-0.03961
8.865	0.06559	0.02869	0.003945	-0.05604	0.01767	-0.03566
8.87	0.06347	0.02347	0.002055	-0.05333	0.01885	-0.03023
8.875	0.06087	0.01802	0.00075	-0.05062	0.01915	-0.02489
8.88	0.05812	0.01332	0.000555	-0.04779	0.01876	-0.0209
8.885	0.05544	0.01007	0.001815	-0.04398	0.01792	-0.0189
8.89	0.053	0.00856	0.00459	-0.03798	0.0169	-0.01881

8.895	0.05092	0.00862	0.008595	-0.02892	0.01592	-0.01997
8.9	0.04931	0.00979	0.013245	-0.01677	0.01511	-0.0213
8.905	0.04826	0.01145	0.017805	-0.00258	0.01448	-0.02165
8.91	0.0478	0.013	0.021315	0.01181	0.01391	-0.0201
8.915	0.04792	0.014	0.022905	0.02433	0.01322	-0.01621
8.92	0.04853	0.01423	0.021825	0.0333	0.01215	-0.01014
8.925	0.04947	0.01369	0.01758	0.03789	0.01046	-0.00264
8.93	0.05056	0.01254	0.010005	0.03822	0.00797	0.00508
8.935	0.05166	0.01105	-0.00068	0.0351	0.00462	0.01166
8.94	0.05271	0.00955	-0.01388	0.02954	0.00046	0.01585
8.945	0.05374	0.00835	-0.02876	0.02239	-0.0043	0.01679
8.95	0.05494	0.00774	-0.04424	0.01408	-0.00933	0.01421
8.955	0.05654	0.00796	-0.05915	0.0047	-0.01419	0.00852
8.96	0.0588	0.00917	-0.07235	-0.00575	-0.01841	0.00069
8.965	0.06194	0.01145	-0.0828	-0.01704	-0.02155	-0.00792
8.97	0.06601	0.01478	-0.08972	-0.02853	-0.02323	-0.01585
8.975	0.07092	0.01897	-0.09257	-0.03919	-0.02322	-0.02186
8.98	0.07636	0.0237	-0.09114	-0.04786	-0.02147	-0.02516
8.985	0.08184	0.02852	-0.08562	-0.05365	-0.01812	-0.02555
8.99	0.08674	0.0329	-0.07649	-0.05626	-0.01347	-0.02345
8.995	0.09041	0.03629	-0.0645	-0.05617	-0.00798	-0.01972
9	0.09226	0.03821	-0.05069	-0.05449	-0.00218	-0.01549
9.005	0.09182	0.03836	-0.03617	-0.05266	0.00339	-0.0118
9.01	0.08888	0.03664	-0.02213	-0.052	0.00826	-0.00942
9.015	0.08344	0.0332	-0.00965	-0.05322	0.01208	-0.00861
9.02	0.07576	0.02841	0.000345	-0.05624	0.01467	-0.00908
9.025	0.0663	0.0228	0.00717	-0.06014	0.01597	-0.01008
9.03	0.05562	0.01696	0.010515	-0.06351	0.01612	-0.01056
9.035	0.04431	0.01143	0.01038	-0.06489	0.01532	-0.00952
9.04	0.03289	0.00658	0.00711	-0.0633	0.01385	-0.0063
9.045	0.02175	0.00257	0.00135	-0.0587	0.01197	-0.00083
9.05	0.0111	-0.00068	-0.00602	-0.0521	0.00992	0.00622
9.055	0.00099	-0.00347	-0.01391	-0.04534	0.00787	0.0135
9.06	-0.00869	-0.0062	-0.02126	-0.04061	0.00589	0.0193
9.065	-0.01809	-0.00929	-0.02699	-0.03971	0.00401	0.0219
9.07	-0.02742	-0.01308	-0.03014	-0.04341	0.00219	0.01998
9.075	-0.03678	-0.01771	-0.02999	-0.05099	0.00037	0.01299
9.08	-0.04617	-0.02313	-0.026	-0.06038	-0.00149	0.00135
9.085	-0.05538	-0.02901	-0.01802	-0.06886	-0.00341	-0.01355
9.09	-0.06399	-0.03488	-0.00621	-0.07404	-0.00538	-0.02963
9.095	-0.07142	-0.04008	0.008955	-0.07469	-0.00733	-0.04445
9.1	-0.07694	-0.04397	0.026655	-0.07116	-0.00918	-0.05572
9.105	-0.07988	-0.04594	0.045825	-0.0652	-0.01082	-0.06171
9.11	-0.07969	-0.04557	0.065205	-0.05925	-0.01215	-0.0616
9.115	-0.0761	-0.04271	0.08349	-0.05544	-0.01314	-0.0556
9.12	-0.06924	-0.03752	0.099435	-0.05477	-0.01375	-0.04487
9.125	-0.05959	-0.03046	0.111945	-0.05679	-0.01403	-0.03128
9.13	-0.04801	-0.02228	0.120225	-0.05971	-0.01404	-0.01698
9.135	-0.0356	-0.01385	0.123795	-0.06112	-0.01389	-0.00399
9.14	-0.02354	-0.00609	0.122565	-0.0588	-0.01366	0.0062
9.145	-0.01296	0.00026	0.11682	-0.05148	-0.01344	0.01281
9.15	-0.00478	0.00464	0.107175	-0.03926	-0.01325	0.01589
9.155	0.0004	0.00686	0.094485	-0.02349	-0.01307	0.01614
9.16	0.00237	0.007	0.079845	-0.00644	-0.01281	0.01469
9.165	0.00128	0.00543	0.06435	0.00942	-0.01238	0.01272
9.17	-0.00237	0.0027	0.04914	0.02203	-0.01163	0.01121
9.175	-0.00784	-0.00058	0.035205	0.03017	-0.01044	0.01068
9.18	-0.01427	-0.00384	0.023325	0.03368	-0.00873	0.01117
9.185	-0.0208	-0.0066	0.01407	0.0333	-0.00647	0.01227
9.19	-0.02668	-0.00855	0.00774	0.03042	-0.0037	0.01332
9.195	-0.03137	-0.00957	0.004335	0.02657	-0.00056	0.01364
9.2	-0.03457	-0.0097	0.003645	0.02305	0.00276	0.01278
9.205	-0.03627	-0.00908	0.005265	0.02061	0.00602	0.01061
9.21	-0.03664	-0.00797	0.008595	0.01936	0.00894	0.00741
9.215	-0.03601	-0.0066	0.01305	0.01891	0.01126	0.00376
9.22	-0.03477	-0.0052	0.018	0.01859	0.01273	0.00043

9.225	-0.03331	-0.00389	0.022875	0.01787	0.01319	-0.00185
9.23	-0.03195	-0.00273	0.027195	0.01658	0.01256	-0.00254
9.235	-0.03095	-0.00171	0.03069	0.01501	0.01082	-0.00138
9.24	-0.0305	-0.00082	0.03318	0.01371	0.00808	0.00155
9.245	-0.03078	-0.00008	0.034695	0.01312	0.00451	0.00592
9.25	-0.0319	0.00041	0.03537	0.01315	0.00035	0.01124
9.255	-0.03397	0.00045	0.03552	0.01291	-0.00414	0.01699
9.26	-0.03702	-0.00018	0.03552	0.01085	-0.00867	0.02273
9.265	-0.04094	-0.00167	0.03576	0.00528	-0.013	0.02809
9.27	-0.04547	-0.00407	0.036615	-0.0048	-0.0169	0.03282
9.275	-0.05022	-0.0072	0.038355	-0.01902	-0.02022	0.0367
9.28	-0.05469	-0.01069	0.0411	-0.03531	-0.02285	0.03952
9.285	-0.05846	-0.01401	0.044805	-0.05021	-0.02478	0.041
9.29	-0.06124	-0.01664	0.04923	-0.0598	-0.02602	0.0409
9.295	-0.06297	-0.01817	0.05391	-0.0611	-0.02663	0.03907
9.3	-0.0638	-0.01846	0.058305	-0.05313	-0.02667	0.03557
9.305	-0.06403	-0.01769	0.061755	-0.0373	-0.02622	0.03068
9.31	-0.064	-0.01626	0.0636	-0.01687	-0.02532	0.02492
9.315	-0.06406	-0.01473	0.0633	0.00417	-0.024	0.01898
9.32	-0.06445	-0.01365	0.060435	0.02239	-0.02226	0.0135
9.325	-0.06528	-0.0134	0.054855	0.0358	-0.02008	0.00899
9.33	-0.06655	-0.01416	0.04665	0.04407	-0.01747	0.0057
9.335	-0.06814	-0.01582	0.036195	0.04813	-0.01443	0.00355
9.34	-0.06985	-0.0181	0.024135	0.0494	-0.01102	0.00224
9.345	-0.07138	-0.02057	0.01131	0.04905	-0.00736	0.00137
9.35	-0.07241	-0.02278	-0.00137	0.0477	-0.00363	0.0006
9.355	-0.07262	-0.02433	-0.01295	0.04545	-0.00006	-0.0002
9.36	-0.07167	-0.02492	-0.02261	0.04227	0.00312	-0.00089
9.365	-0.06932	-0.02438	-0.02972	0.03832	0.00568	-0.0011
9.37	-0.0654	-0.02271	-0.03392	0.0341	0.00746	-0.00035
9.375	-0.0599	-0.02	-0.03513	0.0303	0.00841	0.0018
9.38	-0.05297	-0.01647	-0.03362	0.02743	0.00859	0.0055
9.385	-0.0449	-0.01241	-0.02988	0.02545	0.00819	0.01054
9.39	-0.0361	-0.00817	-0.02462	0.02374	0.0075	0.0163
9.395	-0.02701	-0.00407	-0.01862	0.02128	0.00687	0.02184
9.4	-0.01809	-0.00041	-0.01269	0.01713	0.00666	0.02606
9.405	-0.0097	0.00264	-0.00755	0.0109	0.00714	0.028
9.41	-0.00206	0.005	-0.00374	0.00303	0.00847	0.027
9.415	0.00473	0.00673	-0.00156	-0.00525	0.01066	0.02293
9.42	0.01072	0.00798	-0.00113	-0.01235	0.01353	0.01622
9.425	0.01609	0.00899	-0.00225	-0.01684	0.01675	0.00776
9.43	0.02101	0.00996	-0.00459	-0.01787	0.01992	-0.00131
9.435	0.02567	0.01107	-0.00767	-0.01542	0.02259	-0.00983
9.44	0.03019	0.01238	-0.01091	-0.01017	0.02438	-0.01698
9.445	0.03458	0.01381	-0.01385	-0.00318	0.02501	-0.02242
9.45	0.03878	0.01521	-0.0161	0.0044	0.02435	-0.02645
9.455	0.04267	0.01637	-0.01745	0.01159	0.02246	-0.02989
9.46	0.04612	0.01711	-0.0179	0.01753	0.01954	-0.03395
9.465	0.04907	0.01734	-0.01761	0.02148	0.01588	-0.03983
9.47	0.05153	0.01715	-0.01688	0.02273	0.01186	-0.04845
9.475	0.05363	0.01676	-0.01605	0.0208	0.00783	-0.06012
9.48	0.05554	0.01653	-0.01547	0.0157	0.00407	-0.07439
9.485	0.05745	0.01685	-0.01535	0.00825	0.00076	-0.09005
9.49	0.05948	0.01798	-0.01577	0.00012	-0.00204	-0.10535
9.495	0.06155	0.02002	-0.01665	-0.00651	-0.00438	-0.11827
9.5	0.0634	0.02276	-0.01784	-0.00953	-0.0064	-0.12692
9.505	0.06458	0.02569	-0.01905	-0.00777	-0.00829	-0.12993
9.51	0.0645	0.02811	-0.02003	-0.00146	-0.01019	-0.12665
9.515	0.0626	0.02922	-0.02052	0.0078	-0.01224	-0.11728
9.52	0.05847	0.02837	-0.02039	0.01766	-0.01443	-0.10286
9.525	0.05195	0.02518	-0.01952	0.0259	-0.0167	-0.08498
9.53	0.04325	0.01971	-0.01796	0.0312	-0.01884	-0.06557
9.535	0.03294	0.01247	-0.0158	0.03347	-0.02062	-0.04643
9.54	0.02196	0.00439	-0.01314	0.03353	-0.02177	-0.029
9.545	0.01145	-0.00333	-0.0102	0.03254	-0.02204	-0.01405
9.55	0.0026	-0.00948	-0.00711	0.03127	-0.02128	-0.00164

9.555	-0.00355	-0.01303	-0.00402	0.02974	-0.01946	0.00881
9.56	-0.0063	-0.01335	-0.00104	0.02728	-0.01665	0.01819
9.565	-0.00541	-0.01036	0.001785	0.02302	-0.01307	0.02741
9.57	-0.0012	-0.00461	0.004395	0.01648	-0.00902	0.03704
9.575	0.00551	0.00291	0.006795	0.00805	-0.00483	0.04703
9.58	0.01348	0.01082	0.00897	-0.00093	-0.00086	0.05673
9.585	0.02133	0.01769	0.010905	-0.00857	0.00263	0.06492
9.59	0.02766	0.0223	0.012525	-0.01303	0.00545	0.07024
9.595	0.03136	0.02384	0.01377	-0.01314	0.00754	0.07145
9.6	0.03176	0.02207	0.01452	-0.00881	0.00895	0.06788
9.605	0.02872	0.01739	0.014655	-0.001	0.00983	0.05966
9.61	0.02265	0.01068	0.014085	0.00856	0.01039	0.04773
9.615	0.01442	0.00317	0.01275	0.01786	0.01085	0.03376
9.62	0.00519	-0.00382	0.01062	0.02512	0.01137	0.01976
9.625	-0.0038	-0.00916	0.007785	0.02907	0.01207	0.00775
9.63	-0.01143	-0.01212	0.004425	0.02905	0.01294	-0.0007
9.635	-0.01688	-0.01244	0.00078	0.02499	0.01389	-0.00466
9.64	-0.01974	-0.01041	-0.00285	0.01739	0.01475	-0.00405
9.645	-0.02004	-0.00671	-0.00614	0.00723	0.01531	0.00047
9.65	-0.01821	-0.00226	-0.00876	-0.00399	0.01536	0.0076
9.655	-0.01494	0.00201	-0.01046	-0.01434	0.01475	0.01573
9.66	-0.01106	0.00533	-0.01101	-0.0217	0.0134	0.02323
9.665	-0.00733	0.00729	-0.01035	-0.02414	0.01133	0.02882
9.67	-0.00435	0.00785	-0.00849	-0.02048	0.00868	0.03174
9.675	-0.00243	0.00735	-0.00554	-0.01074	0.00567	0.03191
9.68	-0.00166	0.00634	-0.00168	0.00372	0.00259	0.02993
9.685	-0.00188	0.00546	0.002835	0.02039	-0.00025	0.02686
9.69	-0.00283	0.00522	0.00777	0.03625	-0.00257	0.02397
9.695	-0.00423	0.00585	0.0129	0.04854	-0.00414	0.02241
9.7	-0.00594	0.00725	0.018015	0.0554	-0.0048	0.02286
9.705	-0.00798	0.00896	0.022965	0.05617	-0.00449	0.02537
9.71	-0.01053	0.01031	0.027555	0.05136	-0.00323	0.02926
9.715	-0.01391	0.01055	0.03165	0.04214	-0.0011	0.03335
9.72	-0.01838	0.00906	0.03507	0.02985	0.00177	0.03628
9.725	-0.0241	0.00556	0.037605	0.01562	0.00522	0.03694
9.73	-0.03093	0.00018	0.039015	0.00041	0.00906	0.03484
9.735	-0.03845	-0.00649	0.039105	-0.01487	0.01311	0.03028
9.74	-0.04595	-0.01348	0.037695	-0.02912	0.01716	0.02432
9.745	-0.05257	-0.01966	0.03471	-0.04104	0.02098	0.01845
9.75	-0.05746	-0.02395	0.030195	-0.04933	0.02432	0.01419
9.755	-0.05995	-0.0256	0.024375	-0.05313	0.02693	0.0126
9.76	-0.05969	-0.02436	0.017625	-0.05237	0.02856	0.01395
9.765	-0.05675	-0.02054	0.010515	-0.04791	0.02901	0.01761
9.77	-0.05159	-0.01498	0.003735	-0.04137	0.02813	0.02219
9.775	-0.04497	-0.0088	-0.00203	-0.03468	0.0259	0.02588
9.78	-0.03778	-0.00322	-0.00606	-0.02952	0.0224	0.02698
9.785	-0.03092	0.0008	-0.00779	-0.02682	0.01786	0.02434
9.79	-0.02514	0.00274	-0.00681	-0.02666	0.01265	0.01774
9.795	-0.02097	0.0026	-0.00299	-0.02834	0.00724	0.0079
9.8	-0.01864	0.00087	0.003525	-0.03083	0.00215	-0.00357
9.805	-0.01818	-0.00167	0.01233	-0.03318	-0.00209	-0.01461
9.81	-0.01945	-0.0042	0.02274	-0.0348	-0.00501	-0.02319
9.815	-0.0222	-0.00609	0.033885	-0.03558	-0.0063	-0.02773
9.82	-0.02619	-0.00708	0.044865	-0.03573	-0.0058	-0.02754
9.825	-0.03116	-0.00733	0.054705	-0.03556	-0.0036	-0.02284
9.83	-0.03692	-0.00737	0.062565	-0.03523	0.00001	-0.01476
9.835	-0.0433	-0.0079	0.0678	-0.03471	0.00456	-0.00494
9.84	-0.05013	-0.00955	0.069975	-0.03384	0.00948	0.00481
9.845	-0.05721	-0.01271	0.068985	-0.03244	0.01416	0.01299
9.85	-0.06431	-0.0174	0.064935	-0.03045	0.01808	0.01869
9.855	-0.07114	-0.0232	0.05826	-0.02796	0.02088	0.02178
9.86	-0.07734	-0.0294	0.04953	-0.025	0.02239	0.02279
9.865	-0.08252	-0.03511	0.03948	-0.0215	0.02268	0.02276
9.87	-0.08625	-0.03947	0.028905	-0.01709	0.02199	0.02286
9.875	-0.08812	-0.04178	0.01857	-0.01123	0.0207	0.02408
9.88	-0.08777	-0.04169	0.009165	-0.00344	0.01925	0.02693

9.885	-0.08496	-0.03917	0.001275	0.0064	0.01801	0.03131
9.89	-0.07959	-0.03452	-0.00476	0.01776	0.01726	0.03652
9.895	-0.07174	-0.02829	-0.00869	0.02942	0.01711	0.04139
9.9	-0.06168	-0.02113	-0.01049	0.03972	0.01748	0.04461
9.905	-0.04987	-0.01372	-0.01034	0.04702	0.01814	0.04502
9.91	-0.03697	-0.00662	-0.00851	0.05017	0.01875	0.04187
9.915	-0.02374	-0.00027	-0.00539	0.04889	0.01893	0.0351
9.92	-0.01105	0.00504	-0.00146	0.0438	0.01832	0.02536
9.925	0.00023	0.00912	0.002775	0.03614	0.01666	0.01397
9.93	0.00939	0.01189	0.006885	0.02728	0.01384	0.00266
9.935	0.01594	0.01334	0.0105	0.01831	0.00992	-0.00671
9.94	0.01974	0.01355	0.013335	0.00983	0.00513	-0.01255
9.945	0.02099	0.01269	0.01524	0.00205	-0.00015	-0.01385
9.95	0.02022	0.01103	0.016185	-0.00499	-0.00547	-0.01045
9.955	0.01813	0.00895	0.016245	-0.01117	-0.01031	-0.00307
9.96	0.01551	0.00683	0.01548	-0.01614	-0.01419	0.00679
9.965	0.013	0.00499	0.01404	-0.01938	-0.01674	0.01713
9.97	0.01106	0.00362	0.012015	-0.02042	-0.01772	0.02584
9.975	0.00989	0.00271	0.009495	-0.01909	-0.0171	0.03116
9.98	0.00945	0.00208	0.00654	-0.0157	-0.01501	0.03198
9.985	0.00957	0.00143	0.00315	-0.01097	-0.01178	0.02807
9.99	0.01007	0.00046	-0.00065	-0.00588	-0.00787	0.02018
9.995	0.01084	-0.00098	-0.00479	-0.00133	-0.00378	0.00977
10	0.01191	-0.00283	-0.00921	0.00214	-0.00002	-0.00117
10.005	0.01348	-0.00474	-0.01382	0.00445	0.00298	-0.01061
10.01	0.01586	-0.00619	-0.01844	0.00599	0.00493	-0.01683
10.015	0.01942	-0.00656	-0.02288	0.00732	0.00571	-0.0188
10.02	0.02448	-0.00534	-0.02691	0.00885	0.00535	-0.01634
10.025	0.03121	-0.0022	-0.03035	0.01062	0.00403	-0.01019
10.03	0.03961	0.00282	-0.03299	0.01218	0.00205	-0.00187
10.035	0.0494	0.00939	-0.03473	0.01272	-0.00029	0.00665
10.04	0.06012	0.01684	-0.03545	0.01139	-0.00268	0.01327
10.045	0.0711	0.02437	-0.03513	0.00775	-0.00487	0.01626
10.05	0.08158	0.03113	-0.03386	0.00203	-0.00671	0.01449
10.055	0.09083	0.03642	-0.03171	-0.0047	-0.00816	0.00768
10.06	0.09821	0.0398	-0.02885	-0.0108	-0.00928	-0.00362
10.065	0.10334	0.04112	-0.02552	-0.01456	-0.01017	-0.0182
10.07	0.10608	0.04061	-0.02195	-0.01481	-0.01098	-0.03445
10.075	0.10659	0.03874	-0.01851	-0.01156	-0.01185	-0.0507
10.08	0.10525	0.03615	-0.01554	-0.00621	-0.01285	-0.06551
10.085	0.10255	0.03349	-0.01343	-0.0014	-0.01402	-0.0779
10.09	0.09898	0.03127	-0.01259	-0.00025	-0.01529	-0.08738
10.095	0.09492	0.02974	-0.01332	-0.00544	-0.01654	-0.09395
10.1	0.09058	0.02883	-0.01589	-0.01814	-0.0176	-0.09791
10.105	0.08599	0.02821	-0.02042	-0.03748	-0.0183	-0.09973
10.11	0.08113	0.02739	-0.02685	-0.06052	-0.01848	-0.0999
10.115	0.07597	0.02591	-0.03497	-0.08301	-0.01804	-0.09876
10.12	0.07058	0.02351	-0.04439	-0.1008	-0.01697	-0.09653
10.125	0.06515	0.02026	-0.05454	-0.11117	-0.01531	-0.09327
10.13	0.05994	0.01654	-0.06482	-0.11374	-0.01319	-0.08897
10.135	0.05525	0.01295	-0.07449	-0.11049	-0.0108	-0.08356
10.14	0.0513	0.01014	-0.08297	-0.10492	-0.00837	-0.07702
10.145	0.04815	0.00861	-0.08967	-0.10069	-0.00614	-0.06932
10.15	0.04569	0.00851	-0.09425	-0.10025	-0.00439	-0.06052
10.155	0.04368	0.00963	-0.09654	-0.10388	-0.00335	-0.05071
10.16	0.04178	0.01144	-0.0966	-0.10983	-0.00324	-0.04002
10.165	0.03964	0.01319	-0.09468	-0.11503	-0.0042	-0.0286
10.17	0.037	0.01419	-0.09117	-0.11641	-0.0063	-0.01662
10.175	0.03371	0.01395	-0.08654	-0.11201	-0.00953	-0.00427
10.18	0.0298	0.01231	-0.08118	-0.10167	-0.01374	0.00819
10.185	0.02544	0.00949	-0.07545	-0.08699	-0.0187	0.02046
10.19	0.02094	0.00604	-0.0695	-0.07066	-0.02407	0.03211
10.195	0.01665	0.00268	-0.06332	-0.05556	-0.02946	0.04266
10.2	0.01296	0.00013	-0.0567	-0.04391	-0.03442	0.05154
10.205	0.01015	-0.00106	-0.04931	-0.03677	-0.03851	0.05819
10.21	0.00836	-0.00065	-0.04067	-0.034	-0.04135	0.06212

10.215	0.00751	0.00121	-0.03039	-0.03453	-0.04263	0.063
10.22	0.0073	0.00404	-0.01811	-0.03685	-0.04216	0.06077
10.225	0.00721	0.00705	-0.00362	-0.03947	-0.03989	0.05571
10.23	0.00661	0.00936	0.01305	-0.04117	-0.03593	0.04843
10.235	0.00484	0.01011	0.031635	-0.04121	-0.03055	0.03985
10.24	0.00139	0.00871	0.051615	-0.03927	-0.02413	0.03104
10.245	-0.00403	0.00493	0.07227	-0.03545	-0.01716	0.02305
10.25	-0.01134	-0.00099	0.092685	-0.03017	-0.01018	0.01678
10.255	-0.02013	-0.00838	0.111885	-0.02404	-0.00371	0.01281
10.26	-0.02964	-0.01625	0.128895	-0.01779	0.00182	0.01132
10.265	-0.03898	-0.02346	0.14283	-0.01202	0.00606	0.01208
10.27	-0.0472	-0.02894	0.153	-0.00707	0.00885	0.01456
10.275	-0.05356	-0.03195	0.15891	-0.00295	0.01017	0.01806
10.28	-0.05762	-0.03224	0.16032	0.00063	0.01014	0.02188
10.285	-0.05937	-0.03011	0.15726	0.00408	0.00904	0.02549
10.29	-0.05919	-0.02635	0.14997	0.00763	0.00719	0.02862
10.295	-0.05777	-0.02209	0.138885	0.01118	0.00498	0.03132
10.3	-0.0559	-0.0185	0.124635	0.0142	0.00279	0.03391
10.305	-0.05431	-0.01653	0.107955	0.01601	0.00095	0.03685
10.31	-0.05343	-0.01666	0.089625	0.01609	-0.00029	0.04056
10.315	-0.05337	-0.01875	0.070575	0.0145	-0.00074	0.04529
10.32	-0.05387	-0.02209	0.05166	0.01205	-0.00035	0.05096
10.325	-0.05444	-0.02561	0.03378	0.01018	0.00083	0.05714
10.33	-0.05456	-0.02815	0.01776	0.01039	0.00268	0.06307
10.335	-0.05388	-0.02882	0.00432	0.01363	0.00495	0.06783
10.34	-0.0524	-0.02729	-0.00599	0.01978	0.00738	0.07045
10.345	-0.0504	-0.02389	-0.01277	0.02763	0.00964	0.07015
10.35	-0.0484	-0.01954	-0.01592	0.03524	0.01146	0.06647
10.355	-0.04695	-0.01548	-0.01554	0.04067	0.01256	0.05934
10.36	-0.04645	-0.01289	-0.012	0.04267	0.01279	0.04908
10.365	-0.04699	-0.01255	-0.0059	0.04113	0.01207	0.03636
10.37	-0.04833	-0.01458	0.002025	0.03702	0.01042	0.02205
10.375	-0.04988	-0.01841	0.010845	0.03191	0.00799	0.00713
10.38	-0.05086	-0.02285	0.01968	0.02731	0.005	-0.00746
10.385	-0.05044	-0.0265	0.027645	0.02415	0.00175	-0.02089
10.39	-0.04788	-0.028	0.03402	0.02256	-0.00145	-0.03245
10.395	-0.04268	-0.02644	0.038265	0.022	-0.00426	-0.04161
10.4	-0.03468	-0.02156	0.040125	0.02175	-0.00641	-0.04799
10.405	-0.02406	-0.01373	0.0396	0.02129	-0.0077	-0.05136
10.41	-0.01133	-0.00393	0.036915	0.02062	-0.00803	-0.05161
10.415	0.00274	0.00658	0.032565	0.02019	-0.0074	-0.04882
10.42	0.01726	0.01652	0.02715	0.02067	-0.00594	-0.04322
10.425	0.03131	0.02489	0.021315	0.02251	-0.00388	-0.03528
10.43	0.04409	0.03111	0.01566	0.0257	-0.00152	-0.02564
10.435	0.05491	0.03513	0.01074	0.02969	0.0008	-0.01518
10.44	0.06336	0.03731	0.006885	0.03363	0.00276	-0.0049
10.445	0.06916	0.03827	0.00426	0.03671	0.00407	0.00418
10.45	0.07226	0.03866	0.002865	0.03859	0.00458	0.0111
10.455	0.07267	0.03893	0.002565	0.03951	0.00422	0.01516
10.46	0.07047	0.03918	0.00309	0.04029	0.00308	0.01605
10.465	0.06578	0.03918	0.004125	0.04194	0.00137	0.0139
10.47	0.05869	0.03838	0.005355	0.04527	-0.00062	0.00936
10.475	0.04933	0.0361	0.006435	0.05042	-0.00253	0.0035
10.48	0.03791	0.03178	0.007095	0.05681	-0.00403	-0.00231
10.485	0.02473	0.0251	0.007065	0.06316	-0.00484	-0.00671
10.49	0.01025	0.0162	0.00618	0.06795	-0.00477	-0.00859
10.495	-0.00492	0.00566	0.004275	0.06987	-0.00376	-0.00739
10.5	-0.02004	-0.00556	0.001335	0.06827	-0.0019	-0.00328
10.505	-0.0343	-0.01631	-0.00263	0.06331	0.00064	0.00289
10.51	-0.04689	-0.02546	-0.00743	0.05591	0.00357	0.00969
10.515	-0.05709	-0.03211	-0.01281	0.04735	0.00657	0.01547
10.52	-0.06433	-0.03576	-0.01839	0.03881	0.00934	0.01869
10.525	-0.06831	-0.03636	-0.02369	0.03106	0.01159	0.01835
10.53	-0.069	-0.03433	-0.0282	0.02424	0.01316	0.01417
10.535	-0.06664	-0.03038	-0.03141	0.01806	0.01397	0.00674
10.54	-0.06177	-0.02541	-0.03288	0.01222	0.01404	-0.00264



10.545	-0.05514	-0.0203	-0.0323	0.00685	0.01352	-0.01216
10.55	-0.04758	-0.01579	-0.02952	0.00265	0.01259	-0.01993
10.555	-0.03994	-0.01233	-0.0246	0.00076	0.01149	-0.02435
10.56	-0.03288	-0.01007	-0.01778	0.00234	0.01041	-0.02447
10.565	-0.02683	-0.00883	-0.00953	0.00789	0.00951	-0.02023
10.57	-0.02193	-0.00824	-0.00039	0.01679	0.00887	-0.01241
10.575	-0.01808	-0.00779	0.008925	0.0272	0.00848	-0.00259
10.58	-0.01503	-0.007	0.01776	0.03646	0.00826	0.00724
10.585	-0.0125	-0.00559	0.02547	0.04186	0.0081	0.01504
10.59	-0.01029	-0.00352	0.031545	0.0415	0.00785	0.01914
10.595	-0.0083	-0.00102	0.035625	0.03494	0.00742	0.01852
10.6	-0.00659	0.00145	0.037515	0.02337	0.00674	0.01306
10.605	-0.00527	0.00332	0.03717	0.00932	0.00582	0.00347
10.61	-0.00447	0.00414	0.034725	-0.00415	0.00474	-0.00885
10.615	-0.00424	0.00365	0.030435	-0.01423	0.00362	-0.02214
10.62	-0.0045	0.00194	0.0246	-0.01916	0.00262	-0.03464
10.625	-0.00501	-0.00055	0.01761	-0.01848	0.0019	-0.04487
10.63	-0.00541	-0.00312	0.009855	-0.01298	0.00159	-0.05187
10.635	-0.0053	-0.00498	0.001695	-0.00429	0.00175	-0.05521
10.64	-0.00433	-0.00544	-0.00653	0.00577	0.00241	-0.05491
10.645	-0.00228	-0.00408	-0.01451	0.0156	0.0035	-0.05127
10.65	0.00083	-0.00093	-0.02196	0.02421	0.0049	-0.04471
10.655	0.00477	0.00356	-0.02868	0.03121	0.00644	-0.03558
10.66	0.00911	0.00859	-0.03444	0.03667	0.00796	-0.02417
10.665	0.01326	0.01316	-0.03903	0.04083	0.00929	-0.01074
10.67	0.01664	0.01632	-0.04226	0.04386	0.01034	0.00435
10.675	0.01875	0.01737	-0.04394	0.04574	0.01106	0.02049
10.68	0.01931	0.01605	-0.04392	0.04627	0.01145	0.03674
10.685	0.01833	0.0126	-0.04217	0.04514	0.01157	0.05186
10.69	0.01608	0.00772	-0.03875	0.04216	0.01148	0.06438
10.695	0.01309	0.00241	-0.03383	0.0374	0.01123	0.0729
10.7	0.01002	-0.00225	-0.02778	0.03123	0.01084	0.07626
10.705	0.00755	-0.00531	-0.02108	0.02437	0.01027	0.07388
10.71	0.00624	-0.00618	-0.01436	0.0177	0.00945	0.06586
10.715	0.00642	-0.00477	-0.00828	0.0121	0.00827	0.05304
10.72	0.00814	-0.00146	-0.00348	0.00822	0.00662	0.03683
10.725	0.01113	0.00295	-0.00053	0.00625	0.00443	0.01903
10.73	0.01492	0.00746	0.00018	0.0059	0.00169	0.0015
10.735	0.01888	0.01107	-0.00152	0.0064	-0.00152	-0.01416
10.74	0.02241	0.01303	-0.00549	0.00675	-0.00504	-0.02679
10.745	0.02502	0.01301	-0.01139	0.00607	-0.00864	-0.03579
10.75	0.02645	0.01113	-0.0186	0.00393	-0.01201	-0.04111
10.755	0.02676	0.00794	-0.02636	0.00057	-0.01487	-0.04306
10.76	0.02629	0.00433	-0.03383	-0.00314	-0.01695	-0.0422
10.765	0.0256	0.00128	-0.04022	-0.00596	-0.01806	-0.03916
10.77	0.02539	-0.00029	-0.0449	-0.00677	-0.0181	-0.03449
10.775	0.02632	0.00024	-0.04755	-0.00496	-0.01709	-0.02866
10.78	0.02888	0.00309	-0.04814	-0.00067	-0.01516	-0.02208
10.785	0.03326	0.00804	-0.04697	0.00519	-0.01254	-0.01513
10.79	0.03934	0.01447	-0.04469	0.01129	-0.00951	-0.00822
10.795	0.04666	0.02149	-0.04208	0.0163	-0.00636	-0.00174
10.8	0.05453	0.02814	-0.04007	0.01926	-0.00338	0.00398
10.805	0.06213	0.03354	-0.03954	0.01987	-0.00078	0.00872
10.81	0.06869	0.03711	-0.04116	0.0184	0.00131	0.01246
10.815	0.07355	0.03862	-0.04535	0.01554	0.00288	0.01534
10.82	0.07629	0.03823	-0.0521	0.01206	0.00399	0.0176
10.825	0.07675	0.03637	-0.06111	0.00852	0.0048	0.01947
10.83	0.07503	0.03366	-0.07167	0.00515	0.00551	0.02101
10.835	0.0714	0.03071	-0.08279	0.00177	0.00632	0.02206
10.84	0.06629	0.02801	-0.09333	-0.00201	0.00741	0.0222
10.845	0.06015	0.02582	-0.10208	-0.00665	0.00887	0.0208
10.85	0.05342	0.02414	-0.1079	-0.01247	0.01072	0.01719
10.855	0.04647	0.02278	-0.10988	-0.01952	0.01288	0.01087
10.86	0.03954	0.02142	-0.10739	-0.02753	0.01517	0.00169
10.865	0.03273	0.01973	-0.10019	-0.03593	0.01737	-0.00997
10.87	0.02605	0.01746	-0.08841	-0.04395	0.01921	-0.02325

10.875	0.01939	0.01445	-0.07256	-0.05073	0.02042	-0.03679
10.88	0.01264	0.01073	-0.05346	-0.05547	0.0208	-0.04899
10.885	0.00573	0.00646	-0.03221	-0.05761	0.02016	-0.05825
10.89	-0.00134	0.00191	-0.00998	-0.05688	0.01845	-0.06321
10.895	-0.00844	-0.00258	0.01197	-0.05344	0.01567	-0.06309
10.9	-0.0153	-0.00662	0.03252	-0.04779	0.01195	-0.05785
10.905	-0.02157	-0.00987	0.05076	-0.04076	0.0075	-0.04829
10.91	-0.02686	-0.012	0.066015	-0.03332	0.00259	-0.03597
10.915	-0.03081	-0.01282	0.07794	-0.02646	-0.00242	-0.02294
10.92	-0.03318	-0.01223	0.08649	-0.02106	-0.0072	-0.01139
10.925	-0.0339	-0.0103	0.09189	-0.01784	-0.01145	-0.00318
10.93	-0.03311	-0.00726	0.094575	-0.01726	-0.01499	0.00055
10.935	-0.03114	-0.00345	0.095115	-0.01961	-0.01776	-0.00042
10.94	-0.02854	0.00063	0.094155	-0.02487	-0.01985	-0.00529
10.945	-0.026	0.00446	0.092265	-0.03271	-0.0215	-0.01252
10.95	-0.02434	0.00745	0.089955	-0.04236	-0.02303	-0.02011
10.955	-0.0244	0.00905	0.087525	-0.05266	-0.02481	-0.02615
10.96	-0.02696	0.00874	0.08511	-0.0621	-0.02713	-0.02919
10.965	-0.03261	0.00616	0.082695	-0.06909	-0.03016	-0.02862
10.97	-0.0416	0.00112	0.080025	-0.07239	-0.03391	-0.02471
10.975	-0.05372	-0.00626	0.076815	-0.07157	-0.03819	-0.0185
10.98	-0.06822	-0.01554	0.07269	-0.06723	-0.04261	-0.01151
10.985	-0.08384	-0.0259	0.067365	-0.06099	-0.04669	-0.00536
10.99	-0.09898	-0.03625	0.060645	-0.05494	-0.04988	-0.00135
10.995	-0.11194	-0.04533	0.05259	-0.051	-0.05167	-0.00023
11	-0.1212	-0.05198	0.04338	-0.0503	-0.05167	-0.002
11.005	-0.12565	-0.05533	0.03345	-0.05285	-0.04968	-0.00603
11.01	-0.12478	-0.055	0.023355	-0.05753	-0.04572	-0.01124
11.015	-0.11874	-0.05116	0.01374	-0.06261	-0.04	-0.01635
11.02	-0.10823	-0.04453	0.005295	-0.06629	-0.03296	-0.02023
11.025	-0.09442	-0.03621	-0.00141	-0.06729	-0.02512	-0.0221
11.03	-0.07872	-0.02742	-0.0059	-0.06511	-0.01707	-0.02171
11.035	-0.06257	-0.01932	-0.00791	-0.06001	-0.00937	-0.01928
11.04	-0.04723	-0.01273	-0.00737	-0.05273	-0.00248	-0.01543
11.045	-0.03366	-0.00806	-0.00447	-0.04406	0.00332	-0.01097
11.05	-0.02245	-0.00529	0.000435	-0.03459	0.00786	-0.00667
11.055	-0.01375	-0.00403	0.006825	-0.02464	0.01118	-0.00311
11.06	-0.00738	-0.00368	0.01407	-0.01434	0.0134	-0.00055
11.065	-0.00287	-0.00361	0.02151	-0.00395	0.01473	0.00106
11.07	0.00036	-0.0033	0.028515	0.00607	0.0154	0.00196
11.075	0.00293	-0.00242	0.0345	0.01493	0.01562	0.00251
11.08	0.00537	-0.00093	0.039045	0.02185	0.01554	0.00299
11.085	0.00805	0.00102	0.041805	0.02628	0.01527	0.00347
11.09	0.01116	0.00313	0.0426	0.02828	0.01485	0.00382
11.095	0.01476	0.00506	0.04137	0.02858	0.01433	0.00372
11.1	0.01876	0.00656	0.038145	0.02842	0.01372	0.00277
11.105	0.02303	0.00753	0.03309	0.02913	0.01307	0.00068
11.11	0.02743	0.00803	0.02637	0.03158	0.01245	-0.00256
11.115	0.03186	0.00828	0.018255	0.03573	0.01197	-0.00663
11.12	0.03625	0.00858	0.009015	0.04052	0.01178	-0.01082
11.125	0.0406	0.00919	-0.0011	0.04405	0.01201	-0.0142
11.13	0.04492	0.0103	-0.01172	0.04417	0.01279	-0.01578
11.135	0.04924	0.01192	-0.02258	0.03915	0.0142	-0.01484
11.14	0.0536	0.01393	-0.0333	0.02832	0.01626	-0.01113
11.145	0.05803	0.01609	-0.04358	0.01233	0.01893	-0.00499
11.15	0.06258	0.01814	-0.05303	-0.00691	0.02206	0.00269
11.155	0.06732	0.01991	-0.06125	-0.02664	0.02544	0.01067
11.16	0.07238	0.02135	-0.06788	-0.04392	0.0288	0.01765
11.165	0.07789	0.02262	-0.07253	-0.05629	0.03186	0.0226
11.17	0.08401	0.02402	-0.07485	-0.06219	0.03432	0.02504
11.175	0.09086	0.02594	-0.07457	-0.06115	0.03595	0.0251
11.18	0.09846	0.02871	-0.07151	-0.05381	0.03657	0.02346
11.185	0.10664	0.03248	-0.06557	-0.04189	0.03611	0.02113
11.19	0.1149	0.03714	-0.05687	-0.02786	0.03459	0.01914
11.195	0.12249	0.0422	-0.04565	-0.01462	0.03211	0.01819
11.2	0.12847	0.04688	-0.03237	-0.00494	0.02882	0.01847

11.205	0.13186	0.05022	-0.01764	-0.00087	0.02494	0.01962
11.21	0.13193	0.05135	-0.00221	-0.0032	0.02068	0.02082
11.215	0.12832	0.04971	0.01305	-0.01116	0.01626	0.02106
11.22	0.1212	0.04522	0.027285	-0.02256	0.01188	0.01944
11.225	0.11119	0.03842	0.039615	-0.03432	0.00772	0.01543
11.23	0.09929	0.0303	0.049335	-0.04329	0.00396	0.00906
11.235	0.08662	0.02215	0.05589	-0.04717	0.00074	0.00086
11.24	0.07424	0.01517	0.05901	-0.04513	-0.00184	-0.00821
11.245	0.06288	0.01021	0.058665	-0.03794	-0.00369	-0.01702
11.25	0.05291	0.00749	0.055155	-0.02756	-0.00479	-0.02459
11.255	0.04428	0.0066	0.049005	-0.0164	-0.00516	-0.03024
11.26	0.03668	0.00661	0.040935	-0.00636	-0.0049	-0.03379
11.265	0.02965	0.00636	0.031845	0.00172	-0.00418	-0.03546
11.27	0.02278	0.00482	0.022575	0.00827	-0.0032	-0.03584
11.275	0.01583	0.00139	0.013965	0.01457	-0.00218	-0.0356
11.28	0.00884	-0.00389	0.006585	0.02208	-0.00134	-0.0353
11.285	0.00208	-0.01036	0.000855	0.03162	-0.00088	-0.03526
11.29	-0.00394	-0.01692	-0.00314	0.04296	-0.00092	-0.03548
11.295	-0.00863	-0.02226	-0.00558	0.05483	-0.00147	-0.03573
11.3	-0.01143	-0.02527	-0.00686	0.06538	-0.00249	-0.03563
11.305	-0.01189	-0.02523	-0.00753	0.07294	-0.00381	-0.03487
11.31	-0.00976	-0.02203	-0.00819	0.07669	-0.0052	-0.03329
11.315	-0.00507	-0.01611	-0.00939	0.07701	-0.00638	-0.03096
11.32	0.00189	-0.00839	-0.01154	0.07533	-0.00709	-0.02812
11.325	0.0106	0	-0.01484	0.07354	-0.00709	-0.02509
11.33	0.02034	0.00794	-0.0192	0.07323	-0.00621	-0.02212
11.335	0.0303	0.01455	-0.02436	0.07516	-0.00442	-0.01932
11.34	0.03967	0.0193	-0.02984	0.07895	-0.00179	-0.01657
11.345	0.04772	0.02202	-0.03501	0.08341	0.00146	-0.01363
11.35	0.0539	0.02293	-0.03924	0.08707	0.00502	-0.01018
11.355	0.05791	0.02245	-0.04193	0.08887	0.00853	-0.006
11.36	0.05968	0.02111	-0.04268	0.08857	0.01162	-0.00108
11.365	0.05946	0.01943	-0.04127	0.08676	0.01395	0.00432
11.37	0.05766	0.0178	-0.03776	0.08454	0.01526	0.00971
11.375	0.05485	0.0165	-0.03254	0.08284	0.01544	0.01454
11.38	0.05168	0.01564	-0.02615	0.08201	0.01447	0.0183
11.385	0.04877	0.01524	-0.01934	0.08154	0.01249	0.02073
11.39	0.04661	0.01525	-0.01295	0.08033	0.00973	0.02198
11.395	0.04554	0.01561	-0.0077	0.07729	0.00648	0.02258
11.4	0.04561	0.01622	-0.00414	0.07192	0.0031	0.02335
11.405	0.04656	0.01697	-0.00257	0.06457	-0.00008	0.02528
11.41	0.04794	0.01768	-0.00291	0.05631	-0.00276	0.02922
11.415	0.04911	0.01811	-0.00485	0.04842	-0.00468	0.03565
11.42	0.04945	0.01798	-0.00773	0.04189	-0.00566	0.04449
11.425	0.04849	0.01702	-0.01077	0.03702	-0.0056	0.055
11.43	0.04606	0.0151	-0.0131	0.0334	-0.00447	0.06587
11.435	0.04234	0.01224	-0.01382	0.03027	-0.00235	0.07543
11.44	0.03784	0.00874	-0.01226	0.02697	0.00062	0.08197
11.445	0.03336	0.00512	-0.00788	0.02343	0.00421	0.0841
11.45	0.02976	0.00204	-0.00044	0.02026	0.00813	0.08105
11.455	0.02786	0.00018	0.009915	0.01857	0.01207	0.0728
11.46	0.02818	0.00009	0.022785	0.01949	0.01568	0.06014
11.465	0.03091	0.00199	0.037395	0.02361	0.01866	0.04449
11.47	0.03581	0.00573	0.052725	0.03058	0.02077	0.02761
11.475	0.04226	0.0108	0.067545	0.03906	0.02189	0.0113
11.48	0.04938	0.0164	0.080565	0.04701	0.02198	-0.00287
11.485	0.05617	0.02165	0.090495	0.05226	0.02115	-0.01382
11.49	0.06169	0.02571	0.096225	0.05323	0.01959	-0.02102
11.495	0.06517	0.02803	0.096885	0.04937	0.01757	-0.02447
11.5	0.0661	0.02838	0.09204	0.04142	0.01534	-0.02455
11.505	0.06427	0.02686	0.081615	0.0312	0.01314	-0.02196
11.51	0.05974	0.02384	0.06606	0.02115	0.01108	-0.01753
11.515	0.05278	0.01983	0.0462	0.01365	0.0092	-0.01215
11.52	0.04383	0.01528	0.02328	0.01041	0.00741	-0.00669
11.525	0.03336	0.01052	-0.00122	0.0121	0.00556	-0.00195
11.53	0.02191	0.00569	-0.02567	0.01822	0.00344	0.00134

11.535	0.00999	0.00079	-0.04845	0.02735	0.00087	0.00263
11.54	-0.0019	-0.00426	-0.06809	0.03757	-0.00229	0.00158
11.545	-0.01329	-0.00948	-0.08339	0.04706	-0.00607	-0.00185
11.55	-0.02373	-0.01476	-0.0935	0.05447	-0.01037	-0.00735
11.555	-0.03281	-0.01981	-0.09801	0.0593	-0.01501	-0.01424
11.56	-0.04019	-0.02417	-0.09693	0.06185	-0.01974	-0.02151
11.565	-0.04561	-0.02734	-0.09068	0.06301	-0.02423	-0.02793
11.57	-0.04891	-0.0289	-0.08004	0.06386	-0.02823	-0.03223
11.575	-0.05009	-0.02859	-0.06603	0.0652	-0.0315	-0.0333
11.58	-0.04929	-0.02647	-0.04988	0.06731	-0.0339	-0.0305
11.585	-0.04683	-0.02289	-0.0329	0.06979	-0.03541	-0.0238
11.59	-0.0432	-0.01848	-0.01638	0.07177	-0.0361	-0.01387
11.595	-0.03903	-0.01406	-0.00158	0.07225	-0.03612	-0.00197
11.6	-0.03501	-0.01045	0.01047	0.07057	-0.03569	0.01024
11.605	-0.03171	-0.00834	0.01893	0.0668	-0.03506	0.02108
11.61	-0.02941	-0.00806	0.02334	0.06176	-0.03445	0.02919
11.615	-0.028	-0.00948	0.02361	0.0567	-0.03407	0.03383
11.62	-0.02689	-0.01197	0.02004	0.05273	-0.03406	0.03498
11.625	-0.02519	-0.01449	0.01329	0.05021	-0.03448	0.03333
11.63	-0.02183	-0.01575	0.00429	0.04851	-0.03532	0.03002
11.635	-0.01592	-0.01456	-0.00593	0.04624	-0.0365	0.02635
11.64	-0.00692	-0.01012	-0.01631	0.04183	-0.03788	0.02342
11.645	0.00509	-0.00226	-0.02592	0.03434	-0.03929	0.02189
11.65	0.01942	0.00842	-0.03408	0.02409	-0.04053	0.02189
11.655	0.0348	0.02064	-0.0404	0.01277	-0.0414	0.02311
11.66	0.04962	0.03262	-0.04476	0.00303	-0.04172	0.02495
11.665	0.0622	0.04253	-0.04731	-0.00237	-0.04133	0.02678
11.67	0.07108	0.04882	-0.04841	-0.00157	-0.04014	0.02812
11.675	0.07526	0.0506	-0.04847	0.00559	-0.03807	0.02879
11.68	0.07441	0.04783	-0.04796	0.01747	-0.03514	0.02887
11.685	0.06879	0.0413	-0.04724	0.03102	-0.0314	0.02871
11.69	0.05926	0.03243	-0.0465	0.04275	-0.02701	0.02874
11.695	0.04701	0.02291	-0.04583	0.04992	-0.02215	0.02937
11.7	0.03336	0.01432	-0.04509	0.05138	-0.01706	0.03085
11.705	0.01955	0.00777	-0.04407	0.0479	-0.01198	0.03326
11.71	0.00654	0.00368	-0.04248	0.04186	-0.00715	0.03646
11.715	-0.00506	0.00179	-0.04004	0.03639	-0.00277	0.04018
11.72	-0.01503	0.00126	-0.03651	0.03426	0.00104	0.04409
11.725	-0.02345	0.00103	-0.03185	0.03704	0.00421	0.04794
11.73	-0.03061	0.00005	-0.02612	0.04457	0.00676	0.05156
11.735	-0.03689	-0.00236	-0.01961	0.05518	0.00874	0.0549
11.74	-0.04265	-0.00639	-0.01268	0.06626	0.01025	0.05801
11.745	-0.04816	-0.0117	-0.00584	0.07514	0.0114	0.06091
11.75	-0.0536	-0.01761	0.000435	0.07988	0.01225	0.06356
11.755	-0.05897	-0.02326	0.005655	0.07974	0.01286	0.06576
11.76	-0.06417	-0.02791	0.00954	0.07528	0.01323	0.06719
11.765	-0.06898	-0.03108	0.011895	0.06805	0.01333	0.06752
11.77	-0.07304	-0.03265	0.012735	0.06009	0.0131	0.06647
11.775	-0.07592	-0.03278	0.012225	0.05339	0.01253	0.06398
11.78	-0.0771	-0.0318	0.010635	0.04949	0.0116	0.06027
11.785	-0.07606	-0.03	0.008295	0.04919	0.01037	0.05585
11.79	-0.07235	-0.02754	0.005595	0.05254	0.00898	0.05143
11.795	-0.06573	-0.02435	0.002805	0.05883	0.00761	0.04776
11.8	-0.05626	-0.02022	0.000135	0.06667	0.00649	0.04546
11.805	-0.04439	-0.01494	-0.00227	0.07419	0.00586	0.04487
11.81	-0.03096	-0.00843	-0.00438	0.07931	0.00593	0.04595
11.815	-0.01711	-0.00094	-0.00624	0.0802	0.00682	0.04834
11.82	-0.00413	0.00696	-0.00794	0.07564	0.0086	0.05144
11.825	0.00674	0.01443	-0.00957	0.06553	0.01121	0.05458
11.83	0.01447	0.02054	-0.01124	0.05106	0.01449	0.05719
11.835	0.01841	0.02445	-0.01299	0.03456	0.01823	0.05889
11.84	0.01831	0.02563	-0.01484	0.01897	0.02218	0.05954
11.845	0.01433	0.02397	-0.01676	0.00709	0.02605	0.05918
11.85	0.00698	0.01981	-0.01862	0.00084	0.02963	0.05793
11.855	-0.00302	0.01382	-0.02033	0.00081	0.03272	0.05583
11.86	-0.01488	0.00684	-0.02169	0.00616	0.0352	0.05281

11.865	-0.02787	-0.00032	-0.02258	0.01495	0.03701	0.04859
11.87	-0.04136	-0.00708	-0.02288	0.02472	0.03812	0.04277
11.875	-0.0549	-0.01317	-0.02244	0.03318	0.03856	0.03497
11.88	-0.06815	-0.01865	-0.02129	0.03873	0.03836	0.02495
11.885	-0.08083	-0.02377	-0.01943	0.04071	0.03757	0.01276
11.89	-0.09263	-0.02885	-0.01697	0.0394	0.03623	-0.00117
11.895	-0.10317	-0.03405	-0.01407	0.03572	0.03437	-0.01611
11.9	-0.11197	-0.03925	-0.01095	0.03086	0.03203	-0.03112
11.905	-0.11849	-0.04404	-0.00785	0.02591	0.02924	-0.04527
11.91	-0.1222	-0.04778	-0.005	0.02163	0.02607	-0.05786
11.915	-0.12269	-0.04972	-0.00263	0.01832	0.02261	-0.06855
11.92	-0.11974	-0.04924	-0.00092	0.01594	0.01897	-0.0774
11.925	-0.11339	-0.04604	-1.5E-05	0.01418	0.01531	-0.08483
11.93	-0.104	-0.0402	0.00006	0.01269	0.01178	-0.09144
11.935	-0.09214	-0.03224	-0.00062	0.01111	0.00855	-0.09786
11.94	-0.07864	-0.02298	-0.00192	0.0092	0.00576	-0.10451
11.945	-0.06442	-0.01342	-0.00357	0.00675	0.00354	-0.11154
11.95	-0.05047	-0.00449	-0.00527	0.00358	0.00195	-0.11874
11.955	-0.03776	0.00302	-0.00666	-0.0005	0.00103	-0.12557
11.96	-0.02718	0.00862	-0.00738	-0.00566	0.00073	-0.13128
11.965	-0.01949	0.01208	-0.00714	-0.012	0.00099	-0.135
11.97	-0.01527	0.01338	-0.00575	-0.01941	0.00167	-0.13589
11.975	-0.01492	0.01263	-0.00317	-0.02752	0.00262	-0.13327
11.98	-0.01857	0.01001	0.00045	-0.03562	0.00366	-0.12671
11.985	-0.02605	0.00567	0.004815	-0.0428	0.00459	-0.11612
11.99	-0.03691	-0.00019	0.009465	-0.04812	0.00523	-0.1019
11.995	-0.05039	-0.00733	0.013815	-0.0508	0.00541	-0.08498
12	-0.06545	-0.01538	0.017295	-0.05053	0.00501	-0.06675
12.005	-0.08087	-0.0238	0.019365	-0.04749	0.00395	-0.04897
12.01	-0.09529	-0.03191	0.019635	-0.04242	0.00225	-0.03344
12.015	-0.10737	-0.03885	0.01794	-0.03633	0.00001	-0.02174
12.02	-0.1159	-0.0438	0.01431	-0.03029	-0.00257	-0.01486
12.025	-0.12005	-0.04602	0.008955	-0.02508	-0.00525	-0.01302
12.03	-0.11949	-0.04513	0.002235	-0.021	-0.00772	-0.01561
12.035	-0.1145	-0.04115	-0.00546	-0.01784	-0.0097	-0.02138
12.04	-0.10589	-0.03461	-0.01371	-0.01502	-0.01096	-0.02867
12.045	-0.09484	-0.02644	-0.02217	-0.01184	-0.01137	-0.03585
12.05	-0.0827	-0.01781	-0.03057	-0.00773	-0.01093	-0.04168
12.055	-0.07069	-0.00987	-0.0387	-0.00249	-0.00979	-0.04552
12.06	-0.05979	-0.0035	-0.0464	0.0036	-0.00819	-0.04742
12.065	-0.05058	0.00088	-0.05354	0.00983	-0.00647	-0.04796
12.07	-0.04327	0.00334	-0.05999	0.01512	-0.00498	-0.04804
12.075	-0.03781	0.00434	-0.06563	0.01833	-0.00403	-0.04848
12.08	-0.03397	0.00455	-0.07028	0.01852	-0.00389	-0.04978
12.085	-0.03152	0.00458	-0.0738	0.0152	-0.00465	-0.05195
12.09	-0.03027	0.0048	-0.07608	0.00857	-0.00632	-0.05449
12.095	-0.03014	0.00519	-0.07703	-0.00049	-0.00874	-0.05653
12.1	-0.03113	0.00543	-0.07655	-0.01049	-0.01168	-0.05708
12.105	-0.03326	0.00495	-0.07469	-0.01971	-0.01482	-0.05529
12.11	-0.03652	0.00324	-0.07149	-0.02659	-0.01785	-0.05069
12.115	-0.04082	-0.00005	-0.06707	-0.03011	-0.02048	-0.04329
12.12	-0.04595	-0.00488	-0.06158	-0.03007	-0.02251	-0.03362
12.125	-0.05158	-0.01087	-0.05519	-0.02711	-0.02385	-0.02252
12.13	-0.05731	-0.01733	-0.04808	-0.02248	-0.0245	-0.011
12.135	-0.06269	-0.02344	-0.0404	-0.01769	-0.02461	0.00001
12.14	-0.06725	-0.02839	-0.03231	-0.01407	-0.02435	0.00988
12.145	-0.07058	-0.03162	-0.02399	-0.01254	-0.02394	0.01832
12.15	-0.07235	-0.03285	-0.01557	-0.0134	-0.02355	0.02538
12.155	-0.07233	-0.03213	-0.00719	-0.01653	-0.02328	0.0313
12.16	-0.07042	-0.02979	0.00099	-0.0215	-0.02314	0.03634
12.165	-0.06666	-0.0263	0.008805	-0.02781	-0.02303	0.04061
12.17	-0.06122	-0.0222	0.016155	-0.03502	-0.02278	0.04391
12.175	-0.05439	-0.01796	0.022905	-0.04267	-0.02221	0.04575
12.18	-0.04655	-0.01389	0.028965	-0.05021	-0.02113	0.04543
12.185	-0.03814	-0.01016	0.034275	-0.05694	-0.01944	0.04222
12.19	-0.02963	-0.00683	0.03885	-0.06208	-0.01709	0.03563

12.195	-0.02149	-0.00385	0.042675	-0.065	-0.01415	0.02554
12.2	-0.01411	-0.0012	0.04578	-0.06557	-0.01077	0.01242
12.205	-0.00782	0.00113	0.048165	-0.06438	-0.00716	-0.00274
12.21	-0.00277	0.00309	0.049815	-0.06276	-0.00355	-0.01854
12.215	0.00109	0.00462	0.050655	-0.0624	-0.00016	-0.03336
12.22	0.00402	0.00569	0.050625	-0.06468	0.00281	-0.04567
12.225	0.00654	0.00639	0.049635	-0.07006	0.00526	-0.05422
12.23	0.00931	0.00697	0.047655	-0.07761	0.00713	-0.05832
12.235	0.01296	0.00774	0.0447	-0.08509	0.00849	-0.05783
12.24	0.01791	0.00908	0.04089	-0.08952	0.00945	-0.05323
12.245	0.02421	0.01121	0.036465	-0.08831	0.01019	-0.04545
12.25	0.03154	0.01413	0.031755	-0.08016	0.0109	-0.03577
12.255	0.03923	0.01757	0.02718	-0.06561	0.01177	-0.02551
12.26	0.04648	0.02097	0.023145	-0.04682	0.01296	-0.01589
12.265	0.05247	0.02368	0.019995	-0.02673	0.01453	-0.00781
12.27	0.05664	0.02513	0.017955	-0.00808	0.01648	-0.00176
12.275	0.05873	0.02501	0.017085	0.00742	0.01871	0.00226
12.28	0.05889	0.02337	0.01719	0.01938	0.02106	0.0046
12.285	0.05758	0.0207	0.017865	0.02845	0.0233	0.00591
12.29	0.05548	0.01776	0.018585	0.03575	0.02522	0.0069
12.295	0.05326	0.01541	0.01863	0.04219	0.0266	0.00816
12.3	0.05147	0.01435	0.017355	0.04806	0.02731	0.01
12.305	0.05035	0.01495	0.014145	0.05308	0.02729	0.01237
12.31	0.04981	0.01708	0.008625	0.05671	0.02653	0.01486
12.315	0.04945	0.02013	0.000645	0.05862	0.02513	0.01687
12.32	0.04863	0.02313	-0.00965	0.05894	0.02321	0.01775
12.325	0.04662	0.025	-0.02174	0.05831	0.02094	0.01705
12.33	0.0428	0.02477	-0.03488	0.05753	0.01846	0.01469
12.335	0.03675	0.02188	-0.04811	0.05716	0.01588	0.01105
12.34	0.02838	0.01624	-0.06038	0.05716	0.0133	0.00696
12.345	0.01796	0.00832	-0.07058	0.05681	0.01076	0.0035
12.35	0.00609	-0.00099	-0.07775	0.05499	0.00828	0.00178
12.355	-0.00633	-0.01055	-0.08117	0.05061	0.00588	0.00265
12.36	-0.01825	-0.01921	-0.08034	0.0431	0.0036	0.00645
12.365	-0.02854	-0.02599	-0.07517	0.03273	0.00152	0.01293
12.37	-0.03614	-0.03023	-0.06593	0.02052	-0.00028	0.02126
12.375	-0.04014	-0.03161	-0.05318	0.00798	-0.00166	0.03018
12.38	-0.03987	-0.03012	-0.03788	-0.00341	-0.00254	0.03831
12.385	-0.03506	-0.02604	-0.02111	-0.01258	-0.00284	0.0444
12.39	-0.02581	-0.01976	-0.00413	-0.01916	-0.00257	0.0476
12.395	-0.01269	-0.01181	0.01179	-0.02339	-0.00182	0.04758
12.4	0.00335	-0.00281	0.025575	-0.02594	-0.00076	0.04456
12.405	0.02108	0.00661	0.03633	-0.02757	0.00041	0.03916
12.41	0.03911	0.01578	0.043545	-0.02891	0.00146	0.03224
12.415	0.05617	0.02404	0.047115	-0.03038	0.0022	0.02474
12.42	0.07126	0.03088	0.047355	-0.03229	0.00252	0.01754
12.425	0.08378	0.036	0.044955	-0.03485	0.0024	0.01141
12.43	0.09357	0.03938	0.04089	-0.03829	0.00194	0.00699
12.435	0.10084	0.04129	0.036375	-0.04277	0.00132	0.00484
12.44	0.106	0.04219	0.032625	-0.0483	0.00076	0.00533
12.445	0.1095	0.0426	0.030765	-0.05461	0.00047	0.00862
12.45	0.11168	0.04297	0.031635	-0.06119	0.00064	0.01456
12.455	0.1127	0.04353	0.0357	-0.06742	0.00134	0.0226
12.46	0.11253	0.0442	0.04302	-0.07278	0.00256	0.03182
12.465	0.11104	0.04472	0.05316	-0.07698	0.00418	0.04102
12.47	0.10801	0.04465	0.06534	-0.07992	0.00597	0.04895
12.475	0.10324	0.04356	0.078465	-0.08157	0.00767	0.05458
12.48	0.09655	0.04112	0.091305	-0.08181	0.00898	0.05736
12.485	0.08786	0.03716	0.102645	-0.08038	0.00965	0.05734
12.49	0.07718	0.03173	0.11145	-0.077	0.00948	0.05516
12.495	0.06473	0.02502	0.116925	-0.0716	0.00835	0.05179
12.5	0.05086	0.01739	0.118695	-0.06456	0.00627	0.04822
12.505	0.03617	0.00931	0.1167	-0.05681	0.00331	0.04518
12.51	0.0214	0.00127	0.1113	-0.04966	-0.00033	0.04283
12.515	0.00741	-0.00619	0.103125	-0.04442	-0.00441	0.0408
12.52	-0.00492	-0.01253	0.09303	-0.04196	-0.00868	0.03824

12.525	-0.01482	-0.01731	0.081945	-0.04229	-0.01287	0.03416
12.53	-0.02172	-0.02019	0.07083	-0.04454	-0.01677	0.0277
12.535	-0.02537	-0.02102	0.060525	-0.04711	-0.02022	0.01853
12.54	-0.02583	-0.01988	0.05175	-0.0482	-0.02315	0.00695
12.545	-0.02351	-0.01703	0.044955	-0.04638	-0.02556	-0.00605
12.55	-0.01908	-0.01297	0.040425	-0.04095	-0.02751	-0.01901
12.555	-0.01338	-0.00827	0.038115	-0.03208	-0.02907	-0.0303
12.56	-0.0073	-0.00355	0.037875	-0.02062	-0.03034	-0.03846
12.565	-0.00169	0.00062	0.039315	-0.00769	-0.03134	-0.04261
12.57	0.00278	0.00387	0.041985	0.00575	-0.03207	-0.04257
12.575	0.00562	0.00595	0.045375	0.0191	-0.03247	-0.03898
12.58	0.00658	0.00684	0.04896	0.03206	-0.03241	-0.03311
12.585	0.00557	0.00666	0.052365	0.04437	-0.03175	-0.02657
12.59	0.00268	0.00559	0.055245	0.05547	-0.03033	-0.02103
12.595	-0.00195	0.0038	0.057435	0.0643	-0.02806	-0.01782
12.6	-0.00815	0.00143	0.05886	0.06942	-0.02489	-0.01767
12.605	-0.01573	-0.00153	0.05958	0.06945	-0.02091	-0.02059
12.61	-0.02451	-0.00513	0.059715	0.0637	-0.01629	-0.02591
12.615	-0.03424	-0.00945	0.05943	0.05264	-0.0113	-0.03242
12.62	-0.04458	-0.01447	0.058905	0.03809	-0.00632	-0.03864
12.625	-0.055	-0.02002	0.05829	0.02292	-0.00174	-0.04314
12.63	-0.06487	-0.02567	0.05766	0.01029	0.00206	-0.04481
12.635	-0.07344	-0.03082	0.05706	0.00268	0.00475	-0.04305
12.64	-0.08002	-0.03474	0.05643	0.00102	0.00611	-0.03792
12.645	-0.08412	-0.03681	0.055635	0.0044	0.00609	-0.03007
12.65	-0.08556	-0.03661	0.054495	0.01026	0.00478	-0.02066
12.655	-0.08453	-0.03418	0.05283	0.01532	0.00241	-0.01114
12.66	-0.08159	-0.02996	0.050535	0.01667	-0.00063	-0.003
12.665	-0.07753	-0.0248	0.047565	0.01282	-0.00391	0.00251
12.67	-0.07321	-0.01974	0.043995	0.00431	-0.00697	0.00465
12.675	-0.06939	-0.01578	0.03999	-0.00649	-0.00939	0.00333
12.68	-0.06657	-0.01361	0.03582	-0.01615	-0.01086	-0.00081
12.685	-0.06495	-0.01346	0.031725	-0.02136	-0.01119	-0.0066
12.69	-0.06437	-0.01506	0.02793	-0.02004	-0.01034	-0.01252
12.695	-0.06446	-0.01769	0.024585	-0.01197	-0.00842	-0.01709
12.7	-0.06471	-0.02041	0.021675	0.00111	-0.00567	-0.0192
12.705	-0.0646	-0.02232	0.019155	0.01617	-0.00242	-0.01831
12.71	-0.06372	-0.02279	0.01674	0.0298	0.00095	-0.01453
12.715	-0.06186	-0.02157	0.014145	0.03927	0.00408	-0.00853
12.72	-0.05898	-0.01892	0.01101	0.04324	0.00663	-0.0013
12.725	-0.05525	-0.01541	0.00696	0.042	0.00837	0.00613
12.73	-0.05089	-0.01182	0.001665	0.03715	0.00917	0.01295
12.735	-0.04621	-0.00887	-0.00512	0.03094	0.00902	0.01874
12.74	-0.04141	-0.00705	-0.01355	0.0254	0.00802	0.02343
12.745	-0.03667	-0.00645	-0.0237	0.02173	0.00638	0.02718
12.75	-0.03202	-0.00682	-0.03548	0.01993	0.00435	0.03023
12.755	-0.02741	-0.0076	-0.04869	0.019	0.00223	0.0327
12.76	-0.02272	-0.00812	-0.06305	0.01733	0.00028	0.03451
12.765	-0.01784	-0.00778	-0.07815	0.01341	-0.00126	0.03544
12.77	-0.01265	-0.00618	-0.09353	0.00637	-0.00226	0.03516
12.775	-0.00714	-0.00328	-0.10865	-0.0037	-0.00269	0.03342
12.78	-0.00137	0.00067	-0.12293	-0.01575	-0.00261	0.03008
12.785	0.00447	0.00517	-0.13583	-0.02807	-0.00213	0.02521
12.79	0.01005	0.00955	-0.14681	-0.03878	-0.00144	0.019
12.795	0.01499	0.01316	-0.15545	-0.04629	-0.00069	0.0118
12.8	0.01887	0.01546	-0.16142	-0.04961	0.00002	0.00396
12.805	0.02131	0.0161	-0.16454	-0.04853	0.00067	-0.00417
12.81	0.02208	0.01501	-0.16476	-0.04344	0.00132	-0.01225
12.815	0.02118	0.01238	-0.16224	-0.03527	0.0021	-0.01993
12.82	0.01889	0.00867	-0.15725	-0.02519	0.00317	-0.02685
12.825	0.01573	0.00449	-0.15012	-0.01456	0.00465	-0.03256
12.83	0.01242	0.00055	-0.14132	-0.0048	0.0066	-0.03659
12.835	0.00972	-0.00247	-0.1313	0.00271	0.00896	-0.03849
12.84	0.00828	-0.00406	-0.12047	0.00668	0.01157	-0.03793
12.845	0.0085	-0.00399	-0.10916	0.00626	0.01415	-0.03476
12.85	0.01051	-0.00236	-0.09767	0.00127	0.0164	-0.02911

12.855	0.01414	0.00043	-0.08619	-0.00756	0.01799	-0.02138
12.86	0.01907	0.00383	-0.07478	-0.01858	0.01869	-0.01224
12.865	0.02503	0.0073	-0.06344	-0.02946	0.01837	-0.0025
12.87	0.03187	0.01047	-0.05207	-0.03776	0.01705	0.00695
12.875	0.03961	0.01331	-0.04055	-0.04169	0.01491	0.01533
12.88	0.04836	0.01612	-0.02871	-0.04068	0.01222	0.02206
12.885	0.05814	0.01937	-0.01643	-0.03553	0.00936	0.02687
12.89	0.06875	0.02348	-0.00371	-0.02813	0.00667	0.02983
12.895	0.07969	0.02863	0.009375	-0.02074	0.00445	0.03138
12.9	0.09019	0.03458	0.022485	-0.01514	0.00289	0.03223
12.905	0.09932	0.04066	0.035175	-0.01215	0.00203	0.03325
12.91	0.10616	0.04589	0.046815	-0.0114	0.00179	0.03536
12.915	0.11003	0.0493	0.05673	-0.01177	0.00198	0.03931
12.92	0.11059	0.05015	0.06423	-0.01195	0.00233	0.04553
12.925	0.10794	0.04819	0.068715	-0.01114	0.00256	0.05398
12.93	0.10259	0.04376	0.069795	-0.00943	0.00242	0.06414
12.935	0.09532	0.03772	0.067335	-0.00772	0.00174	0.07497
12.94	0.08707	0.03124	0.061455	-0.00735	0.00047	0.08516
12.945	0.07875	0.02551	0.052575	-0.00939	-0.00136	0.09326
12.95	0.07106	0.02144	0.04134	-0.01417	-0.00358	0.09801
12.955	0.06447	0.01943	0.028575	-0.02092	-0.00592	0.09853
12.96	0.05912	0.01934	0.015195	-0.02803	-0.00807	0.09448
12.965	0.0549	0.02053	0.002115	-0.03345	-0.0097	0.08614
12.97	0.0515	0.02208	-0.00986	-0.03546	-0.0105	0.07432
12.975	0.04853	0.02305	-0.02003	-0.03319	-0.0102	0.06021
12.98	0.04555	0.02274	-0.02787	-0.02696	-0.00869	0.04514
12.985	0.0422	0.02079	-0.03309	-0.01821	-0.00594	0.03038
12.99	0.03821	0.0173	-0.03558	-0.00903	-0.00211	0.01694
12.995	0.03345	0.01269	-0.03543	-0.00163	0.00254	0.0055
13	0.02791	0.00758	-0.03287	0.00231	0.00761	-0.00365
13.005	0.02176	0.00263	-0.02826	0.00193	0.01268	-0.01056
13.01	0.01529	-0.00164	-0.02208	-0.00265	0.0173	-0.0155
13.015	0.00892	-0.00492	-0.01482	-0.01055	0.02106	-0.01895
13.02	0.00318	-0.00707	-0.00702	-0.02043	0.02368	-0.02141
13.025	-0.00143	-0.00813	0.000855	-0.03095	0.02501	-0.02336
13.03	-0.00445	-0.00821	0.008325	-0.04096	0.02505	-0.02512
13.035	-0.00566	-0.00746	0.015075	-0.04975	0.02394	-0.02686
13.04	-0.00509	-0.00605	0.020835	-0.05696	0.02191	-0.02855
13.045	-0.0031	-0.00422	0.025425	-0.06254	0.01927	-0.03004
13.05	-0.00033	-0.00224	0.028815	-0.06659	0.01633	-0.03116
13.055	0.00247	-0.00048	0.031005	-0.0693	0.01339	-0.03177
13.06	0.00456	0.00069	0.032115	-0.07089	0.01069	-0.03195
13.065	0.00547	0.00097	0.03225	-0.07159	0.0084	-0.03193
13.07	0.0051	0.00028	0.031545	-0.07171	0.0066	-0.03214
13.075	0.00369	-0.00123	0.030075	-0.07161	0.00532	-0.03306
13.08	0.00174	-0.00313	0.027885	-0.0717	0.00449	-0.03505
13.085	-0.00014	-0.00482	0.024915	-0.07235	0.00401	-0.03821
13.09	-0.00142	-0.00572	0.021045	-0.07375	0.00374	-0.04226
13.095	-0.0018	-0.00542	0.016125	-0.0758	0.00351	-0.04655
13.1	-0.00128	-0.00383	0.010095	-0.078	0.00315	-0.0502
13.105	-0.00011	-0.00122	0.002865	-0.07948	0.00252	-0.05227
13.11	0.0012	0.00183	-0.00546	-0.07914	0.00152	-0.05198
13.115	0.0021	0.00455	-0.01463	-0.07599	0.00007	-0.0489
13.12	0.00201	0.00623	-0.02423	-0.06949	-0.00183	-0.04306
13.125	0.00053	0.00633	-0.03368	-0.05989	-0.00412	-0.03494
13.13	-0.00255	0.00464	-0.0423	-0.0484	-0.00671	-0.0254
13.135	-0.00718	0.00133	-0.04937	-0.03704	-0.00945	-0.01553
13.14	-0.01302	-0.00313	-0.05414	-0.02817	-0.01218	-0.00651
13.145	-0.01952	-0.00802	-0.05603	-0.0239	-0.01473	0.0006
13.15	-0.02595	-0.01255	-0.05457	-0.02534	-0.01694	0.00503
13.155	-0.03154	-0.01598	-0.04958	-0.03222	-0.01868	0.00647
13.16	-0.0356	-0.01779	-0.0411	-0.04279	-0.01984	0.00511
13.165	-0.03761	-0.01774	-0.02948	-0.05422	-0.02035	0.00166
13.17	-0.03739	-0.01593	-0.01532	-0.06339	-0.02018	-0.00274
13.175	-0.03504	-0.01278	0.000615	-0.06776	-0.01928	-0.00679
13.18	-0.031	-0.00894	0.01734	-0.06612	-0.01765	-0.0092



13.185	-0.02589	-0.00516	0.033885	-0.0589	-0.01527	-0.00907
13.19	-0.02041	-0.00215	0.049245	-0.04792	-0.01213	-0.00602
13.195	-0.01518	-0.0004	0.062565	-0.03579	-0.00826	-0.00036
13.2	-0.01059	-0.00007	0.07314	-0.025	-0.00369	0.00695
13.205	-0.00675	-0.00091	0.08052	-0.01709	0.00145	0.01445
13.21	-0.00348	-0.00235	0.08451	-0.01225	0.00701	0.02048
13.215	-0.00038	-0.00359	0.085185	-0.00937	0.01274	0.02349
13.22	0.00303	-0.0038	0.082815	-0.00651	0.01833	0.0223
13.225	0.00715	-0.00238	0.077925	-0.00167	0.02348	0.01636
13.23	0.0122	0.0009	0.071085	0.0065	0.02785	0.00585
13.235	0.01813	0.00581	0.062955	0.01824	0.03118	-0.00835
13.24	0.02463	0.01168	0.054195	0.0326	0.03327	-0.02468
13.245	0.0312	0.01755	0.045405	0.04775	0.03404	-0.04115
13.25	0.03729	0.02242	0.037065	0.06146	0.0335	-0.05556
13.255	0.04241	0.02552	0.029625	0.07163	0.03179	-0.06585
13.26	0.04622	0.02645	0.023385	0.07669	0.02912	-0.07042
13.265	0.04858	0.02535	0.0186	0.07585	0.02575	-0.06848
13.27	0.04958	0.02278	0.015405	0.06913	0.022	-0.06021
13.275	0.04943	0.0196	0.013905	0.05742	0.01815	-0.0468
13.28	0.04844	0.01674	0.014055	0.04244	0.01448	-0.03021
13.285	0.04695	0.01493	0.01572	0.02675	0.01121	-0.01291
13.29	0.04533	0.01461	0.01863	0.01334	0.00846	0.00267
13.295	0.04387	0.01578	0.022395	0.00495	0.0063	0.01451
13.3	0.04276	0.01811	0.026535	0.00322	0.00467	0.02135
13.305	0.04206	0.02101	0.03051	0.0081	0.00342	0.02287
13.31	0.04161	0.02379	0.033765	0.01763	0.00235	0.01963
13.315	0.04109	0.02578	0.035835	0.02846	0.00123	0.01287
13.32	0.04005	0.02649	0.03633	0.03687	-0.00017	0.00419
13.325	0.03802	0.02563	0.03507	0.0399	-0.00197	-0.0048
13.33	0.0346	0.02319	0.031995	0.03635	-0.00421	-0.01271
13.335	0.02959	0.0194	0.027285	0.02708	-0.00677	-0.01857
13.34	0.02302	0.01468	0.02124	0.01459	-0.00944	-0.02185
13.345	0.0152	0.00959	0.01434	0.00205	-0.01192	-0.02248
13.35	0.00662	0.0047	0.007155	-0.00781	-0.01386	-0.02079
13.355	-0.0021	0.00049	0.000315	-0.01358	-0.01496	-0.01734
13.36	-0.01034	-0.00269	-0.0056	-0.01547	-0.01503	-0.01289
13.365	-0.01761	-0.00475	-0.01001	-0.01491	-0.01401	-0.0082
13.37	-0.02356	-0.00579	-0.0125	-0.01382	-0.012	-0.0039
13.375	-0.02809	-0.00612	-0.01277	-0.0137	-0.0093	-0.00035
13.38	-0.0313	-0.00615	-0.0108	-0.01508	-0.0063	0.00241
13.385	-0.03349	-0.00627	-0.00674	-0.01739	-0.00348	0.0047
13.39	-0.03508	-0.00682	-0.00096	-0.01931	-0.00134	0.00708
13.395	-0.03654	-0.008	0.005895	-0.01947	-0.00028	0.01024
13.4	-0.03835	-0.00985	0.013095	-0.01699	-0.0006	0.01474
13.405	-0.04087	-0.01229	0.01974	-0.01187	-0.00237	0.02084
13.41	-0.04435	-0.01517	0.025005	-0.00502	-0.00548	0.02838
13.415	-0.04882	-0.01827	0.028125	0.00212	-0.00961	0.03671
13.42	-0.05416	-0.02138	0.028515	0.008	-0.01425	0.0449
13.425	-0.06007	-0.02431	0.025875	0.01134	-0.01881	0.05189
13.43	-0.06617	-0.0269	0.020205	0.01144	-0.02267	0.0568
13.435	-0.07206	-0.02905	0.01173	0.00817	-0.02526	0.05914
13.44	-0.07739	-0.03071	0.000975	0.00192	-0.02619	0.05889
13.445	-0.08196	-0.03193	-0.01139	-0.00641	-0.02525	0.05653
13.45	-0.08566	-0.03279	-0.02465	-0.01553	-0.02248	0.05285
13.455	-0.08849	-0.03345	-0.03806	-0.02378	-0.01815	0.0487
13.46	-0.09046	-0.03404	-0.05094	-0.02923	-0.01273	0.04481
13.465	-0.09158	-0.03458	-0.06281	-0.03007	-0.00682	0.0415
13.47	-0.09178	-0.03501	-0.07322	-0.02502	-0.00106	0.03871
13.475	-0.09098	-0.03513	-0.08195	-0.01388	0.00394	0.03596
13.48	-0.08911	-0.03464	-0.08879	0.00212	0.00771	0.03263
13.485	-0.08623	-0.03329	-0.09365	0.02036	0.00998	0.02812
13.49	-0.08251	-0.03096	-0.09651	0.03738	0.01066	0.02215
13.495	-0.07818	-0.0277	-0.09737	0.04986	0.00989	0.01488
13.5	-0.07353	-0.02379	-0.09629	0.0555	0.00798	0.00697
13.505	-0.06881	-0.01962	-0.09341	0.05383	0.00536	-0.00056
13.51	-0.06424	-0.01564	-0.08889	0.04625	0.00248	-0.00661

13.515	-0.06001	-0.01228	-0.08301	0.03555	-0.00021	-0.0103
13.52	-0.05639	-0.00984	-0.0761	0.0249	-0.00238	-0.01126
13.525	-0.05367	-0.00854	-0.06854	0.01683	-0.00381	-0.00977
13.53	-0.0522	-0.00849	-0.06077	0.01247	-0.00444	-0.00677
13.535	-0.05228	-0.00975	-0.05319	0.01144	-0.00435	-0.00364
13.54	-0.05408	-0.01229	-0.0462	0.0122	-0.00372	-0.00187
13.545	-0.05751	-0.01598	-0.0401	0.01287	-0.0028	-0.00272
13.55	-0.06212	-0.02051	-0.03509	0.01199	-0.00184	-0.00691
13.555	-0.0672	-0.02537	-0.03119	0.00906	-0.00106	-0.01437
13.56	-0.07176	-0.02988	-0.02829	0.00469	-0.00056	-0.02432
13.565	-0.07478	-0.03324	-0.02616	0.00029	-0.00037	-0.03542
13.57	-0.07532	-0.03472	-0.02444	-0.00249	-0.00038	-0.04605
13.575	-0.07272	-0.03378	-0.0227	-0.00234	-0.0004	-0.05467
13.58	-0.06669	-0.03022	-0.02048	0.00122	-0.00018	-0.06017
13.585	-0.05739	-0.02424	-0.01737	0.00775	0.0005	-0.06201
13.59	-0.04536	-0.01641	-0.01308	0.01596	0.00183	-0.06035
13.595	-0.03143	-0.00756	-0.00747	0.02412	0.00387	-0.05588
13.6	-0.01666	0.00138	-0.00056	0.03057	0.00654	-0.04966
13.605	-0.00216	0.00957	0.007425	0.03415	0.00962	-0.04284
13.61	0.01104	0.01639	0.016095	0.03451	0.0128	-0.03641
13.615	0.02205	0.02146	0.0249	0.03219	0.01567	-0.03098
13.62	0.03022	0.02471	0.033255	0.02849	0.01785	-0.02676
13.625	0.03518	0.02626	0.040545	0.0251	0.01899	-0.02349
13.63	0.03685	0.02639	0.046245	0.02365	0.01888	-0.02064
13.635	0.03537	0.02539	0.04998	0.0253	0.01745	-0.01756
13.64	0.03111	0.02351	0.051555	0.03041	0.01479	-0.01367
13.645	0.02451	0.0209	0.05097	0.03847	0.01112	-0.00867
13.65	0.01603	0.01759	0.048465	0.04819	0.00677	-0.00263
13.655	0.00614	0.01353	0.044445	0.0579	0.00212	0.00396
13.66	-0.00476	0.0086	0.03942	0.06586	-0.00243	0.01031
13.665	-0.01631	0.00271	0.033945	0.07073	-0.00653	0.01543
13.67	-0.02809	-0.00411	0.028575	0.07177	-0.00988	0.01841
13.675	-0.03964	-0.01164	0.02382	0.0689	-0.01226	0.01866
13.68	-0.05038	-0.0194	0.0201	0.06258	-0.01355	0.01604
13.685	-0.05968	-0.02676	0.017715	0.05365	-0.01372	0.01101
13.69	-0.0669	-0.03293	0.016845	0.04312	-0.01283	0.00446
13.695	-0.07152	-0.03719	0.017475	0.032	-0.01104	-0.00233
13.7	-0.0732	-0.039	0.01947	0.02127	-0.00855	-0.00807
13.705	-0.07182	-0.03814	0.02253	0.01184	-0.00561	-0.01163
13.71	-0.06749	-0.03476	0.02616	0.00447	-0.0025	-0.01229
13.715	-0.06055	-0.02937	0.02976	-0.00046	0.00053	-0.00985
13.72	-0.05154	-0.02271	0.0327	-0.00313	0.00324	-0.00464
13.725	-0.04118	-0.01562	0.034335	-0.00435	0.00546	0.00261
13.73	-0.03032	-0.00896	0.03417	-0.00534	0.00705	0.01094
13.735	-0.01988	-0.00339	0.03186	-0.00733	0.00792	0.01938
13.74	-0.01073	0.00057	0.0273	-0.01107	0.00801	0.02709
13.745	-0.0036	0.0027	0.020625	-0.01639	0.00733	0.03344
13.75	0.00106	0.00301	0.012195	-0.02221	0.00586	0.03808
13.755	0.00319	0.00178	0.00255	-0.02679	0.00366	0.04084
13.76	0.00308	-0.00051	-0.00765	-0.02836	0.00079	0.04171
13.765	0.0014	-0.00321	-0.01767	-0.02585	-0.00262	0.04076
13.77	-0.001	-0.00564	-0.02676	-0.01932	-0.00641	0.03808
13.775	-0.00325	-0.00715	-0.03423	-0.01013	-0.01039	0.03376
13.78	-0.0046	-0.00734	-0.0395	-0.00044	-0.01433	0.02794
13.785	-0.0046	-0.00607	-0.04205	0.00742	-0.01803	0.0208
13.79	-0.00311	-0.00355	-0.0416	0.01183	-0.0213	0.01261
13.795	-0.00035	-0.0003	-0.038	0.01242	-0.024	0.00374
13.8	0.00322	0.00299	-0.03126	0.0102	-0.02606	-0.0054
13.805	0.00705	0.00564	-0.02163	0.00711	-0.02749	-0.01433
13.81	0.0106	0.00709	-0.00953	0.00526	-0.02836	-0.02263
13.815	0.01347	0.00714	0.004485	0.00606	-0.02879	-0.02992
13.82	0.01552	0.00592	0.01971	0.00961	-0.02895	-0.03592
13.825	0.01682	0.0039	0.035355	0.01458	-0.02899	-0.04043
13.83	0.01768	0.00175	0.05061	0.01862	-0.02907	-0.04332
13.835	0.01853	0.00019	0.064665	0.01923	-0.02929	-0.04449
13.84	0.01985	-0.0002	0.07683	0.01466	-0.02969	-0.04383

13.845	0.02209	0.00092	0.086505	0.00467	-0.03025	-0.04129
13.85	0.02557	0.00356	0.093345	-0.00933	-0.03089	-0.03691
13.855	0.03041	0.00742	0.097125	-0.02461	-0.03144	-0.03093
13.86	0.03653	0.01203	0.097935	-0.03798	-0.03174	-0.02385
13.865	0.04365	0.01679	0.096015	-0.04682	-0.0316	-0.01644
13.87	0.05131	0.02117	0.09186	-0.04991	-0.03086	-0.00972
13.875	0.05893	0.02477	0.08604	-0.04779	-0.02943	-0.00481
13.88	0.0659	0.02736	0.079245	-0.04256	-0.0273	-0.00273
13.885	0.07162	0.02892	0.072195	-0.0371	-0.02456	-0.00416
13.89	0.07559	0.02954	0.06549	-0.0341	-0.02135	-0.0093
13.895	0.07745	0.02941	0.05964	-0.03515	-0.01783	-0.01771
13.9	0.077	0.02869	0.05493	-0.04023	-0.01419	-0.02837
13.905	0.07422	0.02748	0.051375	-0.04783	-0.01054	-0.03977
13.91	0.06923	0.02579	0.048765	-0.05557	-0.00693	-0.0502
13.915	0.06225	0.02354	0.046575	-0.06113	-0.0033	-0.05804
13.92	0.05353	0.02056	0.04416	-0.06306	0.00045	-0.06207
13.925	0.04332	0.01669	0.040725	-0.06126	0.00444	-0.06167
13.93	0.03184	0.01176	0.03549	-0.05681	0.00876	-0.05699
13.935	0.01922	0.0057	0.027825	-0.05146	0.01341	-0.04881
13.94	0.00562	-0.00149	0.01731	-0.04678	0.01828	-0.03837
13.945	-0.00875	-0.00962	0.003855	-0.04353	0.02316	-0.02711
13.95	-0.02353	-0.01836	-0.01232	-0.04139	0.02774	-0.01628
13.955	-0.03814	-0.02718	-0.0306	-0.03921	0.03166	-0.00676
13.96	-0.05182	-0.03539	-0.05015	-0.03559	0.03459	0.00113
13.965	-0.06365	-0.04218	-0.06989	-0.02961	0.03625	0.0076
13.97	-0.07273	-0.04678	-0.08867	-0.02124	0.03648	0.01321
13.975	-0.07832	-0.04857	-0.10529	-0.01148	0.03524	0.01869
13.98	-0.08007	-0.04726	-0.11873	-0.00201	0.03263	0.02465
13.985	-0.07805	-0.04303	-0.12818	0.00539	0.02885	0.03143
13.99	-0.07286	-0.03653	-0.13316	0.00952	0.02417	0.03895
13.995	-0.06548	-0.02884	-0.13349	0.01007	0.01894	0.04682
14	-0.05714	-0.02128	-0.12935	0.00775	0.01347	0.05442
14.005	-0.04909	-0.01516	-0.12126	0.00399	0.00805	0.06109
14.01	-0.04233	-0.01148	-0.11	0.00042	0.00288	0.06622
14.015	-0.03748	-0.01068	-0.09653	-0.00155	-0.00191	0.06936
14.02	-0.03463	-0.01254	-0.08186	-0.00114	-0.0063	0.07017
14.025	-0.03339	-0.0162	-0.06699	0.00173	-0.01034	0.06846
14.03	-0.03296	-0.02035	-0.05285	0.00654	-0.01413	0.06415
14.035	-0.03235	-0.02354	-0.04016	0.01242	-0.01776	0.05727
14.04	-0.03057	-0.02448	-0.02939	0.01846	-0.02127	0.04799
14.045	-0.02688	-0.02239	-0.02085	0.02386	-0.02465	0.03667
14.05	-0.02089	-0.01713	-0.01457	0.02809	-0.02775	0.0239
14.055	-0.0127	-0.00928	-0.01038	0.03093	-0.03038	0.01053
14.06	-0.00284	0.00004	-0.00794	0.03243	-0.03228	-0.00243
14.065	0.00781	0.00939	-0.00674	0.0329	-0.03319	-0.01385
14.07	0.01816	0.01733	-0.00621	0.03282	-0.03293	-0.02273
14.075	0.0271	0.02272	-0.00578	0.03275	-0.03138	-0.02826
14.08	0.03367	0.0249	-0.00488	0.03316	-0.02857	-0.03008
14.085	0.03719	0.02382	-0.00302	0.03427	-0.02466	-0.02828
14.09	0.03737	0.01995	0.000135	0.03588	-0.01993	-0.02347
14.095	0.03434	0.01414	0.004725	0.03734	-0.01479	-0.01668
14.1	0.02856	0.00742	0.01074	0.03773	-0.00965	-0.00924
14.105	0.02083	0.00076	0.017955	0.03611	-0.00496	-0.00258
14.11	0.01206	-0.00508	0.025995	0.03187	-0.00109	0.00199
14.115	0.00322	-0.00968	0.034365	0.02504	0.00173	0.00352
14.12	-0.00484	-0.01295	0.04248	0.01625	0.00336	0.0016
14.125	-0.01144	-0.01508	0.049755	0.0065	0.00387	-0.00348
14.13	-0.01616	-0.01639	0.055575	-0.00317	0.00346	-0.01076
14.135	-0.01878	-0.01725	0.05943	-0.0122	0.00246	-0.01877
14.14	-0.01932	-0.01791	0.060915	-0.02071	0.00125	-0.02574
14.145	-0.01789	-0.01846	0.05976	-0.0294	0.00023	-0.03001
14.15	-0.01467	-0.0188	0.05589	-0.03911	-0.00025	-0.03035
14.155	-0.00985	-0.01868	0.049455	-0.0503	0.00005	-0.02628
14.16	-0.0036	-0.01779	0.040845	-0.06255	0.00124	-0.01815
14.165	0.00392	-0.01587	0.0306	-0.07454	0.00327	-0.0071
14.17	0.01257	-0.01278	0.019485	-0.08428	0.00597	0.00517

14.175	0.02218	-0.00858	0.00834	-0.08964	0.00904	0.0168
14.18	0.03259	-0.00352	-0.00203	-0.08909	0.01212	0.02614
14.185	0.04363	0.00202	-0.01091	-0.08215	0.01485	0.03213
14.19	0.05512	0.00764	-0.01779	-0.06967	0.01692	0.0344
14.195	0.06693	0.01299	-0.02246	-0.05372	0.01807	0.03334
14.2	0.07893	0.01793	-0.02498	-0.03716	0.01821	0.02989
14.205	0.09103	0.02248	-0.0257	-0.023	0.01733	0.0253
14.21	0.10313	0.02686	-0.02519	-0.01374	0.01559	0.02075
14.215	0.11504	0.03137	-0.02417	-0.01079	0.01324	0.01715
14.22	0.12654	0.03626	-0.02336	-0.01413	0.01059	0.01494
14.225	0.13726	0.04162	-0.02339	-0.02228	0.00803	0.01407
14.23	0.14676	0.04727	-0.02472	-0.03261	0.00589	0.01407
14.235	0.15453	0.05278	-0.02753	-0.04197	0.00448	0.01423
14.24	0.1601	0.0575	-0.0317	-0.04748	0.004	0.01387
14.245	0.16304	0.06074	-0.03681	-0.04726	0.00455	0.01247
14.25	0.16313	0.06192	-0.0422	-0.04094	0.0061	0.00986
14.255	0.16034	0.06069	-0.047	-0.02972	0.00849	0.00629
14.26	0.15487	0.05709	-0.05033	-0.01597	0.01145	0.00235
14.265	0.14713	0.0515	-0.05132	-0.00248	0.01465	-0.00112
14.27	0.1377	0.04461	-0.04934	0.00849	0.01773	-0.00322
14.275	0.12723	0.03726	-0.04401	0.0159	0.02037	-0.00323
14.28	0.11639	0.03028	-0.03536	0.02016	0.02235	-0.00075
14.285	0.10573	0.02431	-0.02378	0.02285	0.02357	0.00412
14.29	0.09571	0.01971	-0.01002	0.02591	0.02408	0.01077
14.295	0.08659	0.01649	0.00489	0.0307	0.02404	0.01818
14.3	0.07846	0.01436	0.01977	0.03736	0.02371	0.02513
14.305	0.07123	0.01286	0.033435	0.04465	0.02338	0.03042
14.31	0.06475	0.01145	0.044775	0.05048	0.02333	0.03316
14.315	0.05877	0.00965	0.052995	0.05286	0.02374	0.03295
14.32	0.05309	0.00718	0.057555	0.05089	0.02472	0.02993
14.325	0.04757	0.00399	0.05829	0.04531	0.02626	0.02475
14.33	0.04215	0.00028	0.055395	0.03827	0.02823	0.01834
14.335	0.03685	-0.00362	0.049455	0.03246	0.03046	0.01171
14.34	0.03174	-0.00727	0.041295	0.03003	0.0327	0.00566
14.345	0.02696	-0.0103	0.031995	0.03165	0.03471	0.0006
14.35	0.02263	-0.01246	0.02274	0.03615	0.03626	-0.00347
14.355	0.01894	-0.01366	0.014685	0.04111	0.03716	-0.0069
14.36	0.01605	-0.01395	0.00879	0.04394	0.03727	-0.01023
14.365	0.01414	-0.01349	0.005805	0.04306	0.03651	-0.01395
14.37	0.01334	-0.01246	0.00609	0.0386	0.03489	-0.01837
14.375	0.0137	-0.01102	0.009615	0.03235	0.03245	-0.02343
14.38	0.01515	-0.00927	0.016035	0.02709	0.02927	-0.02877
14.385	0.01745	-0.00731	0.024675	0.02545	0.02549	-0.03378
14.39	0.02026	-0.00524	0.034695	0.02901	0.02125	-0.03779
14.395	0.02313	-0.00317	0.04521	0.0377	0.01668	-0.04024
14.4	0.02559	-0.00129	0.055335	0.04995	0.01192	-0.0408
14.405	0.02731	0.00022	0.064305	0.06323	0.00712	-0.0395
14.41	0.02806	0.00121	0.071505	0.07497	0.00243	-0.03668
14.415	0.02786	0.00166	0.07656	0.08332	-0.002	-0.03289
14.42	0.02689	0.00164	0.079245	0.08771	-0.006	-0.02878
14.425	0.02544	0.00138	0.07953	0.0889	-0.00945	-0.02488
14.43	0.02386	0.00116	0.07752	0.08866	-0.01222	-0.02147
14.435	0.02243	0.00125	0.073455	0.08919	-0.01424	-0.01855
14.44	0.02131	0.00179	0.06762	0.0924	-0.01549	-0.01581
14.445	0.02054	0.00274	0.06039	0.09924	-0.01603	-0.01273
14.45	0.02001	0.00389	0.05211	0.10929	-0.01594	-0.00874
14.455	0.01957	0.00489	0.04314	0.12075	-0.01533	-0.00339
14.46	0.0191	0.00542	0.03381	0.13073	-0.01435	0.00353
14.465	0.01856	0.00525	0.024375	0.13596	-0.01311	0.01187
14.47	0.01802	0.00436	0.01509	0.13373	-0.01172	0.02111
14.475	0.01769	0.00301	0.006075	0.12267	-0.0103	0.0305
14.48	0.01785	0.00164	-0.00255	0.10334	-0.0089	0.03917
14.485	0.01882	0.0008	-0.01076	0.07825	-0.00763	0.04633
14.49	0.02085	0.001	-0.01853	0.05124	-0.00658	0.05146
14.495	0.02405	0.00255	-0.02589	0.02644	-0.00585	0.0544
14.5	0.02839	0.00549	-0.03284	0.0071	-0.00557	0.05541

14.505	0.03362	0.00956	-0.03935	-0.0054	-0.00586	0.05508
14.51	0.03934	0.01421	-0.04533	-0.01182	-0.00681	0.0542
14.515	0.045	0.01877	-0.05063	-0.01461	-0.00846	0.0536
14.52	0.04997	0.02252	-0.05502	-0.0169	-0.01079	0.05398
14.525	0.05366	0.02487	-0.05832	-0.02109	-0.01366	0.05571
14.53	0.05557	0.02547	-0.06032	-0.02792	-0.01684	0.05882
14.535	0.05538	0.02424	-0.0609	-0.03605	-0.01998	0.06293
14.54	0.05299	0.02138	-0.06011	-0.04272	-0.02271	0.06739
14.545	0.04856	0.01733	-0.0581	-0.04488	-0.02459	0.07136
14.55	0.04241	0.01265	-0.05513	-0.04055	-0.02526	0.07403
14.555	0.035	0.00789	-0.05163	-0.02989	-0.02443	0.07479
14.56	0.02677	0.00346	-0.04802	-0.01534	-0.02195	0.07333
14.565	0.01811	-0.00044	-0.04473	-0.00094	-0.01786	0.06972
14.57	0.00929	-0.00385	-0.04212	0.00903	-0.01235	0.06433
14.575	0.00051	-0.00703	-0.04043	0.01154	-0.0058	0.05774
14.58	-0.00805	-0.01029	-0.03972	0.00576	0.00131	0.05051
14.585	-0.01617	-0.01386	-0.03992	-0.00681	0.00846	0.04301
14.59	-0.02353	-0.01778	-0.04077	-0.02299	0.0151	0.03532
14.595	-0.02971	-0.02181	-0.04193	-0.03911	0.02078	0.02716
14.6	-0.03427	-0.02546	-0.04293	-0.05231	0.02515	0.01811
14.605	-0.03683	-0.02811	-0.04334	-0.0614	0.02802	0.00781
14.61	-0.03711	-0.02916	-0.04277	-0.06703	0.02933	-0.00379
14.615	-0.03503	-0.0282	-0.04089	-0.07127	0.02918	-0.01621
14.62	-0.03076	-0.02517	-0.03756	-0.07665	0.02778	-0.02844
14.625	-0.02465	-0.02036	-0.03279	-0.08514	0.02541	-0.03904
14.63	-0.01722	-0.01439	-0.02675	-0.09735	0.02235	-0.04643
14.635	-0.00909	-0.00804	-0.0197	-0.11237	0.0189	-0.04932
14.64	-0.0009	-0.00211	-0.01208	-0.12809	0.01529	-0.047
14.645	0.00676	0.00277	-0.00431	-0.14193	0.0117	-0.03965
14.65	0.01339	0.00622	0.00312	-0.15183	0.00825	-0.02842
14.655	0.0186	0.00815	0.009795	-0.15684	0.00499	-0.01519
14.66	0.02209	0.0087	0.015375	-0.15739	0.00196	-0.00233
14.665	0.02371	0.00817	0.019575	-0.15501	-0.00082	0.00788
14.67	0.02344	0.00687	0.022245	-0.15167	-0.00332	0.01363
14.675	0.02135	0.00506	0.023385	-0.14893	-0.0055	0.01396
14.68	0.01765	0.00291	0.023025	-0.14736	-0.00729	0.00893
14.685	0.01268	0.00051	0.02133	-0.14638	-0.0086	-0.00048
14.69	0.00683	-0.00211	0.018495	-0.14454	-0.00939	-0.01266
14.695	0.00058	-0.00489	0.0147	-0.14019	-0.00963	-0.02578
14.7	-0.0056	-0.00773	0.01017	-0.13228	-0.00936	-0.03824
14.705	-0.01125	-0.01042	0.005115	-0.12084	-0.00868	-0.04895
14.71	-0.016	-0.01272	-0.00026	-0.10706	-0.00777	-0.0575
14.715	-0.01955	-0.01437	-0.00575	-0.09285	-0.00683	-0.06408
14.72	-0.02176	-0.01515	-0.01115	-0.0801	-0.0061	-0.06922
14.725	-0.02262	-0.01495	-0.01619	-0.06996	-0.00577	-0.07352
14.73	-0.02226	-0.0138	-0.02063	-0.06241	-0.00598	-0.07734
14.735	-0.02094	-0.01187	-0.0242	-0.05641	-0.00678	-0.08064
14.74	-0.01905	-0.0095	-0.02666	-0.05048	-0.0081	-0.08297
14.745	-0.01699	-0.00704	-0.02778	-0.04355	-0.0098	-0.08366
14.75	-0.01517	-0.0049	-0.02747	-0.03565	-0.01163	-0.08204
14.755	-0.01387	-0.00335	-0.02568	-0.02813	-0.01331	-0.07776
14.76	-0.01321	-0.00251	-0.02246	-0.0232	-0.01456	-0.07096
14.765	-0.01312	-0.00231	-0.0179	-0.02286	-0.01515	-0.06239
14.77	-0.01342	-0.00248	-0.01226	-0.02789	-0.01489	-0.05325
14.775	-0.01387	-0.00267	-0.00584	-0.03724	-0.01372	-0.04499
14.78	-0.01429	-0.00255	0.00093	-0.04817	-0.01165	-0.03897
14.785	-0.0147	-0.00196	0.007575	-0.05709	-0.00883	-0.03613
14.79	-0.01528	-0.00098	0.01356	-0.06086	-0.00544	-0.0368
14.795	-0.01644	0	0.018345	-0.05786	-0.00178	-0.04054
14.8	-0.01866	0.00038	0.021405	-0.04863	0.00187	-0.04626
14.805	-0.02236	-0.00053	0.022335	-0.0357	0.00522	-0.05243
14.81	-0.02779	-0.00328	0.020865	-0.02267	0.00799	-0.05737
14.815	-0.03486	-0.00808	0.016905	-0.01303	0.01	-0.05961
14.82	-0.04309	-0.01473	0.010515	-0.00897	0.01113	-0.05817
14.825	-0.05167	-0.02248	0.001995	-0.01075	0.01135	-0.05273
14.83	-0.05949	-0.03023	-0.00818	-0.01672	0.01069	-0.04367

14.835	-0.06538	-0.03665	-0.0194	-0.02396	0.00927	-0.03197
14.84	-0.06828	-0.04049	-0.03096	-0.02931	0.00723	-0.01896
14.845	-0.06743	-0.04087	-0.04214	-0.03039	0.00477	-0.00609
14.85	-0.06255	-0.03742	-0.05219	-0.0262	0.00206	0.00548
14.855	-0.0539	-0.03049	-0.06054	-0.01728	-0.00071	0.01505
14.86	-0.04226	-0.02101	-0.06671	-0.00533	-0.00335	0.02254
14.865	-0.02884	-0.0104	-0.0704	0.00752	-0.00568	0.02845
14.87	-0.01509	-0.00023	-0.07149	0.01934	-0.00755	0.03362
14.875	-0.00245	0.00802	-0.07013	0.02888	-0.0088	0.03896
14.88	0.00783	0.01329	-0.06653	0.03563	-0.00931	0.04516
14.885	0.01492	0.01511	-0.06114	0.03962	-0.009	0.05239
14.89	0.01847	0.0137	-0.05445	0.04105	-0.00786	0.06027
14.895	0.01867	0.0098	-0.04706	0.04008	-0.00594	0.06793
14.9	0.01612	0.00459	-0.03954	0.03681	-0.00337	0.07419
14.905	0.01178	-0.00069	-0.03254	0.03151	-0.00037	0.07794
14.91	0.0067	-0.00492	-0.02655	0.02494	0.00282	0.07839
14.915	0.00191	-0.00738	-0.02207	0.01854	0.00593	0.07531
14.92	-0.00174	-0.00783	-0.01943	0.01424	0.00871	0.0691
14.925	-0.00368	-0.00647	-0.0188	0.01394	0.01095	0.06071
14.93	-0.00365	-0.00386	-0.02021	0.01878	0.01251	0.0514
14.935	-0.00166	-0.00071	-0.02346	0.02854	0.01334	0.04246
14.94	0.00205	0.00235	-0.02819	0.04149	0.01346	0.03493
14.945	0.00707	0.00487	-0.03383	0.05481	0.01296	0.02943
14.95	0.0129	0.0067	-0.03971	0.06562	0.01193	0.02607
14.955	0.01906	0.00795	-0.04499	0.07202	0.01053	0.02452
14.96	0.02507	0.00891	-0.04887	0.07386	0.00886	0.02417
14.965	0.03058	0.00991	-0.05057	0.07279	0.00702	0.02432
14.97	0.03531	0.01123	-0.04946	0.07145	0.00507	0.02439
14.975	0.03911	0.01295	-0.04509	0.07195	0.00301	0.02404
14.98	0.0419	0.01495	-0.03734	0.07465	0.00085	0.02319
14.985	0.04363	0.01696	-0.02636	0.07801	-0.00144	0.02196
14.99	0.04426	0.0137	-0.01265	0.07933	-0.00469	0.02057
14.995	0.04372	0.0109	0.003015	0.07625	-0.01011	0.01919
15	0.04191	0	0.019695	0.06807	0	0.0178
15.005	0.03874		0.03636	0.05631		0.01618
15.01	0.03416		0.051975	0.04415		0.0139
15.015	0.02825		0.06561	0.03504		0.01045
15.02	0.02117		0.07656	0.0312		0.0054
15.025	0.01326		0.084345	0.0326		-0.00148
15.03	0.00495		0.088725	0.03707		-0.01006
15.035	-0.00326		0.089745	0.04132		-0.01985
15.04	-0.01089		0.087645	0.0425		-0.03006
15.045	-0.01749		0.082845	0.03951		-0.0397
15.05	-0.02273		0.075855	0.0335		-0.0478
15.055	-0.02639		0.06726	0.02737		-0.05355
15.06	-0.02835		0.0576	0.02442		-0.0565
15.065	-0.0286		0.04737	0.02691		-0.05656
15.07	-0.02717		0.036975	0.03511		-0.05399
15.075	-0.02415		0.026715	0.0472		-0.04934
15.08	-0.01972		0.016725	0.06		-0.04332
15.085	-0.01409		0.00711	0.0703		-0.03664
15.09	-0.0076		-0.00216	0.07597		-0.02994
15.095	-0.00069		-0.01113	0.07658		-0.02375
15.1	0.0061		-0.01985	0.07318		-0.01842
15.105	0.01219		-0.02831	0.06756		-0.01415
15.11	0.01704		-0.03641	0.0613		-0.01099
15.115	0.02027		-0.04398	0.05507		-0.00886
15.12	0.0217		-0.05072	0.0486		-0.00755
15.125	0.02145		-0.05624	0.04111		-0.00673
15.13	0.01993		-0.06011	0.03198		-0.00599
15.135	0.01778		-0.06197	0.02136		-0.00489
15.14	0.01571		-0.06146	0.01024		-0.00304
15.145	0.01439		-0.05843	0.00009		-0.00024
15.15	0.01429		-0.05289	-0.00783		0.00356
15.155	0.01559		-0.04508	-0.01297		0.00812
15.16	0.01816		-0.03542	-0.01577		0.01307

15.165	0.02165		-0.02454	-0.01735		0.0179
15.17	0.02558		-0.01317	-0.01894		0.02216
15.175	0.02961		-0.00215	-0.02126		0.02547
15.18	0.03351		0.0078	-0.0243		0.02768
15.185	0.0373		0.015975	-0.02755		0.02879
15.19	0.04105		0.02199	-0.03044		0.02889
15.195	0.04485		0.025695	-0.03276		0.02808
15.2	0.04861		0.027285	-0.03469		0.02633
15.205	0.05203		0.027225	-0.03661		0.02343
15.21	0.05458		0.02625	-0.03881		0.01903
15.215	0.05563		0.025215	-0.04113		0.01269
15.22	0.05455		0.02499	-0.04299		0.00408
15.225	0.0509		0.026265	-0.04358		-0.00694
15.23	0.04452		0.029505	-0.04223		-0.02011
15.235	0.03569		0.03483	-0.03878		-0.03473
15.24	0.02506		0.04206	-0.03376		-0.04967
15.245	0.01361		0.050625	-0.02821		-0.06351
15.25	0.00252		0.059775	-0.02349		-0.07467
15.255	-0.00699		0.06855	-0.02077		-0.08169
15.26	-0.01386		0.07602	-0.02074		-0.0835
15.265	-0.01733		0.081315	-0.02339		-0.07959
15.27	-0.01699		0.08382	-0.02799		-0.07017
15.275	-0.01289		0.08313	-0.03331		-0.05615
15.28	-0.00546		0.0792	-0.03787		-0.03899
15.285	0.00457		0.07227	-0.04038		-0.02046
15.29	0.01627		0.06288	-0.04		-0.00235
15.295	0.0287		0.051765	-0.03661		0.01378
15.3	0.04097		0.039795	-0.03083		0.02686
15.305	0.05238		0.027885	-0.02385		0.03634
15.31	0.06247		0.016905	-0.0171		0.04221
15.315	0.07094		0.007545	-0.01181		0.04482
15.32	0.0777		0.000375	-0.00861		0.04474
15.325	0.0827		-0.00434	-0.00732		0.04252
15.33	0.08597		-0.00653	-0.00708		0.03864
15.335	0.08747		-0.00635	-0.00666		0.03338
15.34	0.08718		-0.00419	-0.00501		0.02689
15.345	0.08509		-0.0005	-0.00169		0.01923
15.35	0.08123		0.00414	0.00291		0.01047
15.355	0.07575		0.009105	0.00779		0.00072
15.36	0.06896		0.01383	0.01178		-0.00982
15.365	0.06128		0.01776	0.01411		-0.02081
15.37	0.05319		0.020415	0.01488		-0.0318
15.375	0.0452		0.021465	0.01498		-0.04218
15.38	0.03774		0.020625	0.0157		-0.05121
15.385	0.03111		0.017805	0.018		-0.05811
15.39	0.02543		0.01308	0.02197		-0.06209
15.395	0.02064		0.00666	0.02661		-0.06258
15.4	0.01654		-0.0011	0.03011		-0.05932
15.405	0.01283		-0.00968	0.03058		-0.05259
15.41	0.00921		-0.01853	0.02682		-0.04324
15.415	0.00543		-0.02706	0.01886		-0.03269
15.42	0.00138		-0.03474	0.00793		-0.02279
15.425	-0.0029		-0.04109	-0.00392		-0.01551
15.43	-0.00725		-0.04577	-0.01458		-0.01262
15.435	-0.01142		-0.04862	-0.0224		-0.01532
15.44	-0.01516		-0.04961	-0.02668		-0.02389
15.445	-0.01828		-0.04884	-0.02765		-0.03756
15.45	-0.02067		-0.04655	-0.02631		-0.05455
15.455	-0.02238		-0.04299	-0.02409		-0.07234
15.46	-0.0235		-0.03849	-0.02249		-0.08814
15.465	-0.02416		-0.03335	-0.0228		-0.09943
15.47	-0.02446		-0.02777	-0.02582		-0.10445
15.475	-0.02442		-0.02195	-0.03171		-0.10254
15.48	-0.02398		-0.01598	-0.03986		-0.09423
15.485	-0.02302		-0.00993	-0.04897		-0.08109
15.49	-0.02141		-0.00377	-0.0572		-0.06534

15.495	-0.0191		0.002535	-0.06264		-0.04933
15.5	-0.01613		0.009045	-0.06375		-0.03506
15.505	-0.01267		0.015855	-0.05986		-0.02375
15.51	-0.00895		0.022965	-0.05141		-0.01572
15.515	-0.00528		0.030435	-0.03982		-0.01043
15.52	-0.00193		0.038235	-0.02711		-0.00676
15.525	0.0009		0.04635	-0.01524		-0.00334
15.53	0.0031		0.054675	-0.00558		0.00102
15.535	0.00466		0.06309	0.00151		0.0071
15.54	0.00566		0.071415	0.00653		0.01509
15.545	0.00622		0.07947	0.01055		0.02466
15.55	0.00645		0.087015	0.01455		0.03508
15.555	0.00648		0.09378	0.019		0.04547
15.56	0.0064		0.099495	0.02361		0.05502
15.565	0.00629		0.103845	0.02751		0.06308
15.57	0.00617		0.106575	0.02966		0.06927
15.575	0.006		0.107445	0.0294		0.07339
15.58	0.00567		0.106275	0.02677		0.07534
15.585	0.00496		0.10296	0.02256		0.07506
15.59	0.00357		0.097575	0.0181		0.0725
15.595	0.00115		0.09033	0.01475		0.06763
15.6	-0.0026		0.081525	0.01348		0.06056
15.605	-0.00785		0.071595	0.01444		0.05165
15.61	-0.01455		0.061035	0.01695		0.04158
15.615	-0.0224		0.050355	0.01962		0.03137
15.62	-0.03088		0.039975	0.02073		0.02222
15.625	-0.0393		0.030255	0.01874		0.01534
15.63	-0.04693		0.021465	0.0128		0.01167
15.635	-0.05308		0.01371	0.00306		0.01171
15.64	-0.05722		0.00699	-0.00917		0.01538
15.645	-0.05905		0.001185	-0.02172		0.02201
15.65	-0.05853		-0.00392	-0.03209		0.03046
15.655	-0.05589		-0.00861	-0.03815		0.03931
15.66	-0.05161		-0.01319	-0.0388		0.04715
15.665	-0.04632		-0.01793	-0.03439		0.05275
15.67	-0.04073		-0.02306	-0.02658		0.0553
15.675	-0.03555		-0.02873	-0.01792		0.05446
15.68	-0.03135		-0.035	-0.01102		0.05038
15.685	-0.02853		-0.04179	-0.00777		0.04366
15.69	-0.02726		-0.04902	-0.00876		0.03525
15.695	-0.02751		-0.05645	-0.01313		0.02637
15.7	-0.02903		-0.06383	-0.01892		0.01834
15.705	-0.03148		-0.07086	-0.02372		0.01243
15.71	-0.03445		-0.07724	-0.02534		0.00965
15.715	-0.03755		-0.08258	-0.02244		0.01059
15.72	-0.04043		-0.08655	-0.01472		0.01526
15.725	-0.04283		-0.08883	-0.00286		0.02307
15.73	-0.04455		-0.08913	0.01185		0.0329
15.735	-0.04551		-0.08724	0.02788		0.04331
15.74	-0.04568		-0.08306	0.04383		0.05277
15.745	-0.04518		-0.07667	0.05854		0.05999
15.75	-0.0442		-0.06833	0.07113		0.06419
15.755	-0.0431		-0.0585	0.0809		0.0652
15.76	-0.04235		-0.04784	0.08739		0.06352
15.765	-0.04252		-0.03713	0.09033		0.06012
15.77	-0.04421		-0.02726	0.08984		0.05621
15.775	-0.04794		-0.01911	0.08649		0.0529
15.78	-0.05405		-0.01346	0.0813		0.05098
15.785	-0.06261		-0.01089	0.07562		0.05067
15.79	-0.07339		-0.01176	0.07081		0.05168
15.795	-0.08585		-0.01607	0.06792		0.05328
15.8	-0.09925		-0.02352	0.06741		0.05452
15.805	-0.11272		-0.03354	0.06905		0.05458
15.81	-0.12542		-0.04532	0.07193		0.05291
15.815	-0.13659		-0.05789	0.07462		0.04945
15.82	-0.14565		-0.07028	0.07557		0.04456



15.825	-0.1522		-0.0815	0.07351		0.03895
15.83	-0.15602		-0.09065	0.06787		0.03343
15.835	-0.15705		-0.09699	0.05908		0.02868
15.84	-0.15541		-0.09995	0.04843		0.0251
15.845	-0.15136		-0.09914	0.03785		0.0227
15.85	-0.14528		-0.09444	0.02929		0.0211
15.855	-0.13767		-0.08594	0.02418		0.01964
15.86	-0.12911		-0.07397	0.02297		0.01761
15.865	-0.12018		-0.05915	0.02502		0.01441
15.87	-0.11145		-0.04227	0.02878		0.00978
15.875	-0.10342		-0.02429	0.03232		0.00387
15.88	-0.09643		-0.0062	0.03381		-0.00266
15.885	-0.09065		0.010935	0.03207		-0.00882
15.89	-0.08611		0.026205	0.02671		-0.01338
15.895	-0.08266		0.038895	0.01817		-0.01517
15.9	-0.08003		0.048495	0.00742		-0.01332
15.905	-0.0779		0.054855	-0.00426		-0.00744
15.91	-0.0759		0.058095	-0.01558		0.00222
15.915	-0.07369		0.058725	-0.02536		0.01485
15.92	-0.07092		0.05739	-0.03263		0.02922
15.925	-0.06727		0.055005	-0.03667		0.04389
15.93	-0.06239		0.052515	-0.03712		0.05755
15.935	-0.05593		0.050835	-0.0341		0.0692
15.94	-0.04752		0.050745	-0.02832		0.07832
15.945	-0.03679		0.052815	-0.02101		0.08478
15.95	-0.02351		0.057345	-0.01374		0.08877
15.955	-0.00761		0.06429	-0.00795		0.09064
15.96	0.01069		0.073335	-0.00459		0.09064
15.965	0.03088		0.083865	-0.00379		0.08894
15.97	0.05214		0.095115	-0.00498		0.08552
15.975	0.07342		0.106185	-0.00717		0.08025
15.98	0.09365		0.116145	-0.00959		0.073
15.985	0.11184		0.124155	-0.01216		0.06375
15.99	0.12731		0.12954	-0.01572		-0.00466
15.995	0.13976		0.131865	-0.02169		-0.00189
16	0.14929		0.130905	-0.03136		0.0009
16.005	0.15634			-0.04506		
16.01	0.16142			-0.0615		
16.015	0.16498			-0.07783		
16.02	0.1672			-0.09034		
16.025	0.168			-0.09586		
16.03	0.16709			-0.09292		
16.035	0.16409			-0.08233		
16.04	0.15875			-0.06684		
16.045	0.15107			-0.05014		
16.05	0.14134			-0.03559		
16.055	0.13015			-0.02518		
16.06	0.11828			-0.01915		
16.065	0.10653			-0.01636		
16.07	0.09559			-0.015		
16.075	0.08588			-0.01356		
16.08	0.07749			-0.01133		
16.085	0.07018			-0.00859		
16.09	0.06343			-0.00624		
16.095	0.05656			-0.00526		
16.1	0.04888			-0.00618		
16.105	0.0398			-0.00879		
16.11	0.02897			-0.01223		
16.115	0.0163			-0.01526		
16.12	0.00203			-0.01671		
16.125	-0.0133			-0.01581		
16.13	-0.02894			-0.01243		
16.135	-0.04393			-0.00707		
16.14	-0.05728			-0.00066		
16.145	-0.06807			0.00568		
16.15	-0.07552			0.01085		

16.155	-0.07919			0.01409		
16.16	-0.07894			0.01499		
16.165	-0.07505			0.01362		
16.17	-0.06813			0.0104		
16.175	-0.05906			0.00601		
16.18	-0.0488			0.00124		
16.185	-0.03832			-0.00314		
16.19	-0.0284			-0.00643		
16.195	-0.01961			-0.008		
16.2	-0.0123			-0.00724		
16.205	-0.00662			-0.00362		
16.21	-0.00266			0.00322		
16.215	-0.00046			0.01318		
16.22	-0.00005			0.02535		
16.225	-0.0014			0.03791		
16.23	-0.00436			0.04828		
16.235	-0.0086			0.05371		
16.24	-0.01368			0.05211		
16.245	-0.01906			0.04291		
16.25	-0.02421			0.0275		
16.255	-0.02872			0.00897		
16.26	-0.03232			-0.00887		
16.265	-0.03489			-0.02275		
16.27	-0.03641			-0.03097		
16.275	-0.03692			-0.03387		
16.28	-0.03645			-0.03349		
16.285	-0.03501			-0.03257		
16.29	-0.03263			-0.03346		
16.295	-0.02936			-0.03723		
16.3	-0.02529			-0.04337		
16.305	-0.02062			-0.0502		
16.31	-0.01561			-0.05561		
16.315	-0.0106			-0.05794		
16.32	-0.00598			-0.05652		
16.325	-0.00213			-0.05177		
16.33	0.00056			-0.04483		
16.335	0.00181			-0.03706		
16.34	0.00144			-0.0295		
16.345	-0.00054			-0.02268		
16.35	-0.00392			-0.0166		
16.355	-0.00822			-0.01103		
16.36	-0.01277			-0.0058		
16.365	-0.01675			-0.00092		
16.37	-0.01937			0.0034		
16.375	-0.01998			0.00695		
16.38	-0.01824			0.00969		
16.385	-0.01426			0.01182		
16.39	-0.00856			0.0137		
16.395	-0.00205			0.0157		
16.4	0.00411			0.01799		
16.405	0.00875			0.02051		
16.41	0.01085			0.02302		
16.415	0.0097			0.02532		
16.42	0.00503			0.0274		
16.425	-0.00295			0.02952		
16.43	-0.01365			0.0321		
16.435	-0.02609			0.03549		
16.44	-0.03908			0.03983		
16.445	-0.0513			0.04497		
16.45	-0.0614			0.05061		
16.455	-0.06822			0.05646		
16.46	-0.07087			0.06239		
16.465	-0.06892			0.06849		
16.47	-0.06244			0.07489		
16.475	-0.05201			0.08154		
16.48	-0.03864			0.08806		

16.485	-0.02362			0.09377		
16.49	-0.00834			0.09786		
16.495	0.0059			0.09971		
16.5	0.01805			0.09911		
16.505	0.02739			0.09639		
16.51	0.03363			0.0923		
16.515	0.03679			0.08775		
16.52	0.0372			0.0834		
16.525	0.0354			0.07942		
16.53	0.03195			0.0754		
16.535	0.02745			0.07051		
16.54	0.02239			0.06377		
16.545	0.01717			0.05447		
16.55	0.01206			0.04251		
16.555	0.00727			0.02849		
16.56	0.00289			0.01369		
16.565	-0.00103			-0.00021		
16.57	-0.00451			-0.0115		
16.575	-0.00758			-0.01891		
16.58	-0.01031			-0.02184		
16.585	-0.01282			-0.0206		
16.59	-0.01518			-0.01628		
16.595	-0.01751			-0.01055		
16.6	-0.01989			-0.00525		
16.605	-0.02242			-0.00188		
16.61	-0.0252			-0.00129		
16.615	-0.02834			-0.00338		
16.62	-0.03194			-0.00716		
16.625	-0.03608			-0.01102		
16.63	-0.04076			-0.01319		
16.635	-0.04586			-0.01225		
16.64	-0.05112			-0.00762		
16.645	-0.05618			0.0003		
16.65	-0.06062			0.01021		
16.655	-0.06408			0.02033		
16.66	-0.06639			0.02886		
16.665	-0.06759			0.03452		
16.67	-0.06786			0.0368		
16.675	-0.06741			0.03599		
16.68	-0.0664			0.03288		
16.685	-0.06482			0.02845		
16.69	-0.06248			0.02352		
16.695	-0.05904			0.01861		
16.7	-0.05412			0.01395		
16.705	-0.04742			0.00967		
16.71	-0.03885			0.00602		
16.715	-0.02859			0.00341		
16.72	-0.01718			0.00238		
16.725	-0.00543			0.0034		
16.73	0.00566			0.00653		
16.735	0.015			0.01131		
16.74	0.02159			0.01663		
16.745	0.02467			0.02096		
16.75	0.02381			0.02279		
16.755	0.01898			0.02102		
16.76	0.01056			0.01546		
16.765	-0.00069			0.007		
16.77	-0.01378			-0.0025		
16.775	-0.02757			-0.0106		
16.78	-0.04094			-0.01493		
16.785	-0.05289			-0.01385		
16.79	-0.06265			-0.00695		
16.795	-0.06969			0.00474		
16.8	-0.07376			0.01899		
16.805	-0.07484			0.03293		
16.81	-0.07311			0.04386		

16.815	-0.06894			0.04998		
16.82	-0.0628			0.05095		
16.825	-0.05527			0.04791		
16.83	-0.04697			0.04309		
16.835	-0.03858			0.03899		
16.84	-0.03072			0.03752		
16.845	-0.02396			0.0393		
16.85	-0.01872			0.04343		
16.855	-0.01527			0.04777		
16.86	-0.01375			0.04983		
16.865	-0.01415			0.04787		
16.87	-0.01646			0.04164		
16.875	-0.0206			0.03257		
16.88	-0.02653			0.02333		
16.885	-0.03417			0.01685		
16.89	-0.04338			0.01526		
16.895	-0.05391			0.01915		
16.9	-0.06534			0.02742		
16.905	-0.07708			0.03773		
16.91	-0.08833			0.04737		
16.915	-0.09819			0.05405		
16.92	-0.10576			0.0566		
16.925	-0.11022			0.05503		
16.93	-0.11101			0.05036		
16.935	-0.1079			0.0441		
16.94	-0.10101			0.03778		
16.945	-0.09086			0.03262		
16.95	-0.07823			0.02941		
16.955	-0.06403			0.02855		
16.96	-0.04919			0.03011		
16.965	-0.03447			0.03385		
16.97	-0.02041			0.03918		
16.975	-0.00726			0.04509		
16.98	0.005			0.05027		
16.985	0.01656			0.05327		
16.99	0.0277			0.0529		
16.995	0.03866			0.04856		
17	0.04961			0.04052		
17.005	0.06055			0.02988		
17.01	0.07136			0.01828		
17.015	0.0818			0.00746		
17.02	0.09159			-0.00125		
17.025	0.10044			-0.00724		
17.03	0.10812			-0.01067		
17.035	0.11448			-0.01219		
17.04	0.11945			-0.01268		
17.045	0.12301			-0.01281		
17.05	0.12523			-0.01299		
17.055	0.1262			-0.01336		
17.06	0.12608			-0.01402		
17.065	0.1251			-0.01523		
17.07	0.12354			-0.01735		
17.075	0.12179			-0.02058		
17.08	0.12025			-0.02477		
17.085	0.11929			-0.02925		
17.09	0.11917			-0.033		
17.095	0.11998			-0.03497		
17.1	0.12152			-0.03461		
17.105	0.12336			-0.03222		
17.11	0.12491			-0.02895		
17.115	0.12549			-0.02649		
17.12	0.12448			-0.02643		
17.125	0.12144			-0.02965		
17.13	0.11619			-0.03588		
17.135	0.10881			-0.04365		
17.14	0.09964			-0.05073		

17.145	0.08919			-0.0548		
17.15	0.07802			-0.05424		
17.155	0.06666			-0.0487		
17.16	0.05554			-0.03927		
17.165	0.04492			-0.02824		
17.17	0.03493			-0.01843		
17.175	0.02555			-0.01238		
17.18	0.01672			-0.0116		
17.185	0.00833			-0.01613		
17.19	0.00035			-0.0246		
17.195	-0.0072			-0.03465		
17.2	-0.01416			-0.04373		
17.205	-0.0203			-0.04984		
17.21	-0.02529			-0.0522		
17.215	-0.02883			-0.05134		
17.22	-0.03064			-0.04883		
17.225	-0.03058			-0.04665		
17.23	-0.02871			-0.04633		
17.235	-0.02526			-0.04843		
17.24	-0.02067			-0.05221		
17.245	-0.01546			-0.05602		
17.25	-0.01018			-0.05785		
17.255	-0.00526			-0.05612		
17.26	-0.00095			-0.05028		
17.265	0.00271			-0.04093		
17.27	0.00585			-0.02948		
17.275	0.00871			-0.01754		
17.28	0.01152			-0.00629		
17.285	0.01444			0.00381		
17.29	0.01752			0.01296		
17.295	0.02072			0.02157		
17.3	0.02398			0.02967		
17.305	0.02718			0.03671		
17.31	0.03028			0.0417		
17.315	0.03322			0.04371		
17.32	0.03593			0.04233		
17.325	0.03832			0.03795		
17.33	0.04023			0.03164		
17.335	0.04148			0.02466		
17.34	0.04188			0.01796		
17.345	0.04125			0.01177		
17.35	0.03946			0.00563		
17.355	0.03643			-0.00126		
17.36	0.03214			-0.00948		
17.365	0.02659			-0.01896		
17.37	0.01984			-0.02883		
17.375	0.01195			-0.03764		
17.38	0.00303			-0.04387		
17.385	-0.00673			-0.0465		
17.39	-0.01706			-0.0453		
17.395	-0.02757			-0.04092		
17.4	-0.03782			-0.03453		
17.405	-0.04731			-0.02735		
17.41	-0.05557			-0.02021		
17.415	-0.06221			-0.01334		
17.42	-0.06699			-0.00647		
17.425	-0.06985			0.00087		
17.43	-0.07089			0.00897		
17.435	-0.07037			0.01766		
17.44	-0.06859			0.02625		
17.445	-0.06588			0.03367		
17.45	-0.06244			0.03884		
17.455	-0.05838			0.04092		
17.46	-0.05361			0.03958		
17.465	-0.04793			0.03508		
17.47	-0.0411			0.02822		

17.475	-0.03291			0.0202		
17.48	-0.02334			0.01243		
17.485	-0.01259			0.00629		
17.49	-0.0011			0.00277		
17.495	0.01056			0.00218		
17.5	0.02181			0.004		
17.505	0.03217			0.00692		
17.51	0.04134			0.00919		
17.515	0.04926			0.00919		
17.52	0.05597			0.00599		
17.525	0.06162			-0.00019		
17.53	0.06629			-0.00804		
17.535	0.06997			-0.01555		
17.54	0.07253			-0.02073		
17.545	0.07375			-0.02236		
17.55	0.07337			-0.0204		
17.555	0.0712			-0.01601		
17.56	0.06714			-0.01118		
17.565	0.06126			-0.008		
17.57	0.05381			-0.00802		
17.575	0.0452			-0.0117		
17.58	0.03598			-0.01839		
17.585	0.02678			-0.02653		
17.59	0.01825			-0.03418		
17.595	0.01101			-0.03959		
17.6	0.00554			-0.04161		
17.605	0.00217			-0.04		
17.61	0.00097			-0.0353		
17.615	0.00182			-0.02866		
17.62	0.00436			-0.02145		
17.625	0.00812			-0.01482		
17.63	0.01255			-0.00944		
17.635	0.01714			-0.00529		
17.64	0.02142			-0.00171		
17.645	0.02506			0.00233		
17.65	0.02777			0.00784		
17.655	0.02932			0.01533		
17.66	0.02951			0.02449		
17.665	0.02812			0.03407		
17.67	0.02493			0.04215		
17.675	0.01979			0.04663		
17.68	0.01268			0.04603		
17.685	0.00381			0.04002		
17.69	-0.00638			0.02978		
17.695	-0.01718			0.01778		
17.7	-0.02767			0.00697		
17.705	-0.03681			-0.00013		
17.71	-0.04359			-0.00232		
17.715	-0.04715			-0.00004		
17.72	-0.04696			0.00474		
17.725	-0.0429			0.00937		
17.73	-0.03531			0.01146		
17.735	-0.02496			0.00981		
17.74	-0.01293			0.0048		
17.745	-0.00046			-0.00177		
17.75	0.01126			-0.00735		
17.755	0.02121			-0.00959		
17.76	0.0287			-0.00715		
17.765	0.03342			-0.00023		
17.77	0.03544			0.00943		
17.775	0.03507			0.019		
17.78	0.03282			0.02538		
17.785	0.02924			0.02611		
17.79	0.0248			0.02016		
17.795	0.01986			0.0083		
17.8	0.01459			-0.00696		

17.805	0.00905			-0.02195		
17.81	0.00323			-0.03279		
17.815	-0.00289			-0.03644		
17.82	-0.00925			-0.03161		
17.825	-0.01566			-0.0191		
17.83	-0.02181			-0.00162		
17.835	-0.02725			0.01701		
17.84	-0.0315			0.03306		
17.845	-0.03409			0.04396		
17.85	-0.03466			0.04906		
17.855	-0.03303			0.04964		
17.86	-0.02922			0.04829		
17.865	-0.02348			0.04775		
17.87	-0.01624			0.04983		
17.875	-0.00807			0.05472		
17.88	0.00042			0.06103		
17.885	0.00864			0.06648		
17.89	0.0161			0.06911		
17.895	0.02245			0.06822		
17.9	0.02757			0.06482		
17.905	0.03152			0.06122		
17.91	0.03457			0.05981		
17.915	0.03709			0.06164		
17.92	0.03951			0.06578		
17.925	0.04217			0.06948		
17.93	0.04522			0.0694		
17.935	0.04854			0.06306		
17.94	0.05172			0.05008		
17.945	0.05404			0.03253		
17.95	0.05463			0.01413		
17.955	0.05258			-0.00117		
17.96	0.04706			-0.01081		
17.965	0.03754			-0.01453		
17.97	0.02384			-0.01431		
17.975	0.00622			-0.01346		
17.98	-0.01464			-0.01513		
17.985	-0.03769			-0.02109		
17.99	-0.06167			-0.03105		
17.995	-0.0852			-0.04302		
18	-0.10702			-0.05417		
18.005	-0.12605			-0.06206		
18.01	-0.14155			-0.06546		
18.015	-0.1531			-0.06465		
18.02	-0.16064			-0.061		
18.025	-0.1644			-0.05622		
18.03	-0.16478			-0.05159		
18.035	-0.16235			-0.04755		
18.04	-0.15767			-0.04378		
18.045	-0.15129			-0.03973		
18.05	-0.14369			-0.03515		
18.055	-0.13524			-0.03048		
18.06	-0.12621			-0.02683		
18.065	-0.11677			-0.02551		
18.07	-0.10699			-0.02743		
18.075	-0.0969			-0.03256		
18.08	-0.08647			-0.03976		
18.085	-0.07571			-0.04707		
18.09	-0.06467			-0.05235		
18.095	-0.05347			-0.05392		
18.1	-0.04232			-0.05109		
18.105	-0.0315			-0.04431		
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18.115	-0.01226			-0.02486		
18.12	-0.00453			-0.01571		
18.125	0.00151			-0.0088		
18.13	0.00563			-0.0047		

18.135	0.00765			-0.00328		
18.14	0.00752			-0.00378		
18.145	0.00525			-0.00514		
18.15	0.00096			-0.00637		
18.155	-0.00519			-0.00693		
18.16	-0.01296			-0.00701		
18.165	-0.02208			-0.00753		
18.17	-0.03218			-0.00985		
18.175	-0.04278			-0.01523		
18.18	-0.05328			-0.02424		
18.185	-0.06295			-0.0364		
18.19	-0.07106			-0.05009		
18.195	-0.07693			-0.06307		
18.2	-0.08011			-0.07313		
18.205	-0.08049			-0.07892		
18.21	-0.07838			-0.08041		
18.215	-0.0745			-0.07892		
18.22	-0.06991			-0.07659		
18.225	-0.06579			-0.0756		
18.23	-0.06328			-0.0773		
18.235	-0.06321			-0.08175		
18.24	-0.06601			-0.08779		
18.245	-0.07154			-0.09351		
18.25	-0.07921			-0.09707		
18.255	-0.08801			-0.0974		
18.26	-0.09672			-0.09448		
18.265	-0.1041			-0.08928		
18.27	-0.10905			-0.08314		
18.275	-0.11075			-0.07725		
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18.285	-0.10307			-0.06753		
18.29	-0.094			-0.06297		
18.295	-0.08222			-0.05802		
18.3	-0.0686			-0.05288		
18.305	-0.05412			-0.04843		
18.31	-0.03971			-0.0459		
18.315	-0.02616			-0.04625		
18.32	-0.01404			-0.04957		
18.325	-0.0037			-0.05477		
18.33	0.00473			-0.05979		
18.335	0.01121			-0.06222		
18.34	0.01576			-0.06018		
18.345	0.01837			-0.05296		
18.35	0.01901			-0.04129		
18.355	0.01767			-0.02715		
18.36	0.0144			-0.01307		
18.365	0.00933			-0.00143		
18.37	0.00275			0.00614		
18.375	-0.00491			0.00905		
18.38	-0.0131			0.00766		
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18.39	-0.02847			-0.00357		
18.395	-0.03431			-0.01082		
18.4	-0.03816			-0.01771		
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18.415	-0.03503			-0.03023		
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18.43	-0.0146			-0.02545		
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18.44	-0.00057			-0.01341		
18.445	0.0041			-0.00606		
18.45	0.00642			0.00115		
18.455	0.00615			0.00732		
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18.465	-0.00156			0.01379		
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18.505	-0.03879			0.0003		
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18.515	-0.03484			0.00439		
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18.585	0.00242			0.0077		
18.59	0.00393			0.02085		
18.595	0.00608			0.03248		
18.6	0.0086			0.04171		
18.605	0.01115			0.04837		
18.61	0.01335			0.05288		
18.615	0.01488			0.05595		
18.62	0.01556			0.05821		
18.625	0.01538			0.05993		
18.63	0.01446			0.06094		
18.635	0.01302			0.06076		
18.64	0.01133			0.05879		
18.645	0.00967			0.05462		
18.65	0.00827			0.04824		
18.655	0.00729			0.04011		
18.66	0.00684			0.03112		
18.665	0.00693			0.02247		
18.67	0.00756			0.01543		
18.675	0.00867			0.01116		
18.68	0.01023			0.01042		
18.685	0.01222			0.01348		
18.69	0.01468			0.01997		
18.695	0.01769			0.02892		
18.7	0.02134			0.0389		
18.705	0.02576			0.04825		
18.71	0.03102			0.05546		
18.715	0.03708			0.05948		
18.72	0.04381			0.05993		
18.725	0.05088			0.05717		
18.73	0.05787			0.0521		
18.735	0.06424			0.04589		
18.74	0.0694			0.03956		
18.745	0.07282			0.03371		
18.75	0.07405			0.02849		
18.755	0.07285			0.02366		
18.76	0.06916			0.01893		
18.765	0.06314			0.01418		
18.77	0.05518			0.00976		
18.775	0.04581			0.00638		
18.78	0.0357			0.00495		
18.785	0.02555			0.00622		
18.79	0.01602			0.01054		

18.795	0.00769			0.01764		
18.8	0.001			0.02663		
18.805	-0.00381			0.03613		
18.81	-0.00669			0.04459		
18.815	-0.00778			0.05052		
18.82	-0.00742			0.05283		
18.825	-0.0061			0.05102		
18.83	-0.00437			0.04533		
18.835	-0.00286			0.03667		
18.84	-0.00211			0.02647		
18.845	-0.00255			0.01639		
18.85	-0.00442			0.00792		
18.855	-0.00773			0.00206		
18.86	-0.01224			-0.00096		
18.865	-0.0175			-0.00171		
18.87	-0.02289			-0.00142		
18.875	-0.02769			-0.00154		
18.88	-0.03123			-0.00337		
18.885	-0.03294			-0.00763		
18.89	-0.03246			-0.01421		
18.895	-0.02971			-0.02228		
18.9	-0.02485			-0.03052		
18.905	-0.01834			-0.03766		
18.91	-0.01082			-0.04281		
18.915	-0.00301			-0.04586		
18.92	0.00437			-0.04738		
18.925	0.01073			-0.04846		
18.93	0.0157			-0.05019		
18.935	0.01916			-0.0533		
18.94	0.02127			-0.05783		
18.945	0.02236			-0.06312		
18.95	0.02292			-0.06813		
18.955	0.02342			-0.07181		
18.96	0.02428			-0.07356		
18.965	0.02575			-0.07349		
18.97	0.02792			-0.0723		
18.975	0.03075			-0.07091		
18.98	0.03409			-0.06997		
18.985	0.03775			-0.0695		
18.99	0.04156			-0.06887		
18.995	0.04539			-0.06706		
19	0.04916			-0.06309		
19.005	0.05281			-0.05654		
19.01	0.0563			-0.04771		
19.015	0.05957			-0.03758		
19.02	0.0625			-0.02741		
19.025	0.06496			-0.01829		
19.03	0.06677			-0.01074		
19.035	0.06777			-0.0046		
19.04	0.06787			0.00077		
19.045	0.06707			0.00613		
19.05	0.06551			0.01192		
19.055	0.06346			0.01804		
19.06	0.06132			0.02379		
19.065	0.05949			0.02823		
19.07	0.05837			0.03052		
19.075	0.05822			0.03034		
19.08	0.05912			0.02803		
19.085	0.06098			0.02453		
19.09	0.06349			0.021		
19.095	0.06621			0.01846		
19.1	0.06864			0.01741		
19.105	0.07028			0.01769		
19.11	0.07074			0.01859		
19.115	0.0698			0.01915		
19.12	0.06741			0.01853		

19.125	0.06372			0.01631		
19.13	0.05902			0.0126		
19.135	0.05373			0.00797		
19.14	0.04832			0.00324		
19.145	0.04322			-0.00081		
19.15	0.03881			-0.00363		
19.155	0.03535			-0.00499		
19.16	0.03298			-0.00499		
19.165	0.03171			-0.00396		
19.17	0.03145			-0.00236		
19.175	0.03209			-0.00069		
19.18	0.03348			0.00058		
19.185	0.03547			0.00109		
19.19	0.03784			0.00063		
19.195	0.0403			-0.00076		
19.2	0.04247			-0.00278		
19.205	0.04388			-0.00495		
19.21	0.04409			-0.00673		
19.215	0.0427			-0.00771		
19.22	0.03947			-0.00774		
19.225	0.03435			-0.00697		
19.23	0.02751			-0.0057		
19.235	0.01931			-0.00426		
19.24	0.01025			-0.00278		
19.245	0.00091			-0.00112		
19.25	-0.00816			0.00106		
19.255	-0.01645			0.00413		
19.26	-0.02356			0.00827		
19.265	-0.02919			0.01321		
19.27	-0.03319			0.01825		
19.275	-0.0355			0.02241		
19.28	-0.0362			0.02469		
19.285	-0.03542			0.02447		
19.29	-0.03337			0.02171		
19.295	-0.0303			0.01704		
19.3	-0.02648			0.01158		
19.305	-0.02213			0.00656		
19.31	-0.01746			0.00296		
19.315	-0.01261			0.00117		
19.32	-0.00767			0.00092		
19.325	-0.00267			0.00142		
19.33	0.00238			0.0017		
19.335	0.00747			0.00099		
19.34	0.01258			-0.00095		
19.345	0.01766			-0.00376		
19.35	0.02265			-0.00661		
19.355	0.02743			-0.00849		
19.36	0.03192			-0.00863		
19.365	0.03599			-0.00674		
19.37	0.03957			-0.00312		
19.375	0.04259			0.00147		
19.38	0.04497			0.00611		
19.385	0.04667			0.00998		
19.39	0.0476			0.01265		
19.395	0.04771			0.01405		
19.4	0.04694			0.0144		
19.405	0.04531			0.01401		
19.41	0.04294			0.01311		
19.415	0.04004			0.01179		
19.42	0.03697			0.01001		
19.425	0.03416			0.00771		
19.43	0.03207			0.00494		
19.435	0.03112			0.0019		
19.44	0.03161			-0.00105		
19.445	0.03363			-0.00357		
19.45	0.03711			-0.00537		

19.455	0.04178			-0.0064		
19.46	0.04722			-0.00679		
19.465	0.05295			-0.00685		
19.47	0.0585			-0.00695		
19.475	0.06344			-0.00738		
19.48	0.06746			-0.00825		
19.485	0.07037			-0.00947		
19.49	0.07211			-0.01079		
19.495	0.07273			-0.01188		
19.5	0.07236			-0.01246		
19.505	0.07115			-0.01238		
19.51	0.06928			-0.0117		
19.515	0.06691			-0.01065		
19.52	0.06416			-0.00962		
19.525	0.06114			-0.00904		
19.53	0.05793			-0.00929		
19.535	0.05462			-0.01057		
19.54	0.05128			-0.01289		
19.545	0.04801			-0.01605		
19.55	0.04492			-0.01967		
19.555	0.04211			-0.02331		
19.56	0.03965			-0.02657		
19.565	0.03756			-0.02917		
19.57	0.03577			-0.03099		
19.575	0.03416			-0.03211		
19.58	0.03257			-0.03273		
19.585	0.03081			-0.03308		
19.59	0.02871			-0.03339		
19.595	0.02618			-0.03379		
19.6	0.0232			-0.0343		
19.605	0.01982			-0.03487		
19.61	0.01618			-0.03537		
19.615	0.0124			-0.03569		
19.62	0.00866			-0.03567		
19.625	0.0051			-0.03518		
19.63	0.00185			-0.03413		
19.635	-0.00097			-0.0325		
19.64	-0.00326			-0.03035		
19.645	-0.00499			-0.02784		
19.65	-0.00615			-0.02521		
19.655	-0.00678			-0.02274		
19.66	-0.00699			-0.02067		
19.665	-0.00691			-0.01912		
19.67	-0.0067			-0.01806		
19.675	-0.00651			-0.01733		
19.68	-0.00647			-0.01664		
19.685	-0.00664			-0.01574		
19.69	-0.00704			-0.01439		
19.695	-0.00759			-0.01254		
19.7	-0.00819			-0.01025		
19.705	-0.00873			-0.0077		
19.71	-0.00907			-0.00516		
19.715	-0.00915			-0.00285		
19.72	-0.00892			-0.00092		
19.725	-0.00842			0.00056		
19.73	-0.00772			0.00164		
19.735	-0.00693			0.00245		
19.74	-0.00616			0.00316		
19.745	-0.00552			0.00393		
19.75	-0.00506			0.00493		
19.755	-0.00481			0.00626		
19.76	-0.00475			0.00799		
19.765	-0.00484			0.0101		
19.77	-0.00499			0.0125		
19.775	-0.00514			0.01503		
19.78	-0.00522			0.01749		

19.785	-0.00518			0.01965		
19.79	-0.00501			0.02135		
19.795	-0.00472			0.02248		
19.8	-0.00433			0.02306		
19.805	-0.00391			0.0232		
19.81	-0.0035			0.02307		
19.815	-0.00312			0.02283		
19.82	-0.00281			0.0226		
19.825	-0.00253			0.0224		
19.83	-0.00226			0.02222		
19.835	-0.00196			0.022		
19.84	-0.00158			0.02171		
19.845	-0.00111			0.02136		
19.85	-0.00054			0.02101		
19.855	0.00007			0.02071		
19.86	0.00067			0.0205		
19.865	0.00117			0.02041		
19.87	0.00149			0.02037		
19.875	0.00156			0.02034		
19.88	0.00134			0.02024		
19.885	0.00082			0.02004		
19.89	0.00004			0.01978		
19.895	-0.00093			0.01953		
19.9	-0.002			0.01937		
19.905	-0.00308			0.01939		
19.91	-0.00407			0.01962		
19.915	-0.00491			0.02004		
19.92	-0.00555			0.0206		
19.925	-0.00601			0.02117		
19.93	-0.00631			0.02168		
19.935	-0.00651			0.02201		
19.94	-0.0067			0.02212		
19.945	-0.00693			0.02198		
19.95	-0.00729			0.02159		
19.955	-0.0078			0.02096		
19.96	-0.00848			0.02012		
19.965	-0.00932			0.01913		
19.97	-0.01028			0.01803		
19.975	-0.01129			0.01691		
19.98	-0.01229			0.01583		
19.985	-0.0132			0.01484		
19.99	-0.01622			0.0029		
19.995	0			0		
20	0			0		