

Supplementary information

Table 1. Data from the experimental and approximation plot for MCM-41HT

-129.137	0.0275445	2.95645e-08	3.01463e-48	6.06648e-06	0.0372031	0.0372092
-128.991	0.0306964	3.6009e-08	7.09712e-48	7.47076e-06	0.0372793	0.0372868
-128.838	0.0275445	4.41974e-08	1.73061e-47	9.26907e-06	0.037359	0.0373683
-128.692	0.0317471	5.3625e-08	4.01981e-47	1.13541e-05	0.0374346	0.037446
-128.399	0.0380509	7.89001e-08	2.17431e-46	1.69953e-05	0.037587	0.037604
-128.396	0.034899	7.92443e-08	2.21616e-46	1.70725e-05	0.0375887	0.0376059
-128.104	0.0422535	1.15882e-07	1.17471e-45	2.53267e-05	0.0377405	0.037766
-128.1	0.0385763	1.16465e-07	1.20091e-45	2.54584e-05	0.0377425	0.0377681
-127.831	0.0440046	1.64617e-07	5.51551e-45	3.63741e-05	0.0378824	0.037919
-127.66	0.0475068	2.04735e-07	1.44597e-44	4.54953e-05	0.0379714	0.0380171
-127.363	0.0496081	2.97995e-07	7.63704e-44	6.67236e-05	0.0381261	0.0381931
-127.36	0.0464561	2.99239e-07	7.77973e-44	6.70068e-05	0.0381278	0.0381951
-127.061	0.0475068	4.34037e-07	4.07524e-43	9.76532e-05	0.0382831	0.0383812
-126.785	0.0457557	6.09895e-07	1.86536e-42	0.000137473	0.0384269	0.038565
-126.681	0.0422535	6.92031e-07	3.28722e-42	0.000155996	0.0384808	0.0386375
-126.458	0.0433042	9.07271e-07	1.11061e-41	0.000204302	0.0385971	0.0388023
-126.38	0.0401522	9.96792e-07	1.69713e-41	0.000224295	0.0386378	0.0388631
-126.179	0.0394518	1.26674e-06	5.00862e-41	0.00028424	0.0387421	0.0390276
-126	0.034899	1.56715e-06	1.3132e-40	0.000350387	0.0388355	0.0391874
-125.852	0.0370003	1.86427e-06	2.88872e-40	0.000415265	0.0389122	0.0393294
-125.699	0.0338484	2.22942e-06	6.52109e-40	0.00049432	0.0389919	0.0394884
-125.553	0.0370003	2.64235e-06	1.416e-39	0.000582889	0.0390681	0.0396536
-125.4	0.0338484	3.15207e-06	3.17308e-39	0.000691118	0.0391477	0.039842
-125.253	0.0370003	3.72702e-06	6.8417e-39	0.000811872	0.0392239	0.0400395
-124.954	0.0370003	5.23145e-06	3.25844e-38	0.0011221	0.0393798	0.0405071
-124.654	0.0370003	7.30757e-06	1.52967e-37	0.00153891	0.0395356	0.0410818
-124.358	0.0401522	1.01214e-05	6.95968e-37	0.00208724	0.0396897	0.0417871
-124.354	0.0370003	1.01581e-05	7.07836e-37	0.0020943	0.0396915	0.0417959
-124.062	0.0433042	1.39521e-05	3.1222e-36	0.00280961	0.0398439	0.0426674
-124.058	0.0401522	1.40021e-05	3.17494e-36	0.00281887	0.0398456	0.0426785
-123.762	0.0433042	1.92091e-05	1.40418e-35	0.00376554	0.0399997	0.0437844
-123.462	0.0433042	2.63186e-05	6.22481e-35	0.00500782	0.0401555	0.0451897
-123.163	0.0433042	3.58846e-05	2.72003e-34	0.00660863	0.0403114	0.0469559
-122.889	0.0436544	4.74589e-05	1.03604e-33	0.0084614	0.0404541	0.0489629
-122.719	0.0485574	5.63001e-05	2.35457e-33	0.00982662	0.0405423	0.0504252
-122.567	0.0459308	6.55651e-05	4.90828e-33	0.0112182	0.0406216	0.0519054
-122.5	0.0538107	7.00457e-05	6.75568e-33	0.0118784	0.0406563	0.0526047
-122.421	0.0501334	7.57192e-05	9.84889e-33	0.0127034	0.0406973	0.0534763
-122.303	0.055912	8.50974e-05	1.7352e-32	0.0140422	0.040759	0.0548864
-122.132	0.0595892	0.000100534	3.90489e-32	0.016186	0.0408479	0.0571345
-121.99	0.0674691	0.000115276	7.61609e-32	0.018172	0.0409215	0.0592088
-121.986	0.0632665	0.000115769	7.77664e-32	0.0182374	0.0409238	0.059277

-121.695	0.0711464	0.000152904	3.04498e-31	0.0230161	0.0410754	0.0642444
-121.549	0.0748237	0.000175468	6.00235e-31	0.025791	0.0411513	0.0671177
-121.478	0.0790262	0.00018745	8.32004e-31	0.0272306	0.0411879	0.0686059
-121.257	0.0821782	0.000230277	2.30856e-30	0.032207	0.0413031	0.0737403
-121.252	0.0779756	0.000231221	2.356e-30	0.0323139	0.0413054	0.0738505
-120.963	0.0874314	0.000301422	8.84703e-30	0.0399889	0.041456	0.0817464
-120.959	0.0837542	0.000302484	9.00425e-30	0.0401012	0.0414581	0.0818617
-120.892	0.091634	0.000321287	1.21821e-29	0.042071	0.0414927	0.083885
-120.695	0.0937353	0.000383673	2.97352e-29	0.0483924	0.0415954	0.0903715
-120.666	0.0895327	0.00039387	3.39403e-29	0.049397	0.0416107	0.0914016
-120.524	0.0974126	0.000446581	6.40291e-29	0.0544751	0.0416843	0.096606
-120.456	0.104242	0.000474059	8.66526e-29	0.0570515	0.0417196	0.0992451
-120.378	0.100565	0.00050801	1.23105e-28	0.0601731	0.0417605	0.102442
-120.236	0.108444	0.000574726	2.30727e-28	0.0661264	0.0418341	0.108535
-120.232	0.104767	0.000576663	2.34721e-28	0.0662959	0.0418361	0.108709
-120.118	0.114748	0.000636593	3.88969e-28	0.0714537	0.0418956	0.113986
-120.015	0.111596	0.0006956	6.12558e-28	0.0763794	0.0419493	0.119024
-119.952	0.123153	0.000733899	8.06611e-28	0.079502	0.0419819	0.122218
-119.948	0.118951	0.000736677	8.22422e-28	0.0797263	0.0419842	0.122447
-119.886	0.131559	0.00077633	1.077e-27	0.0828978	0.0420163	0.12569
-119.807	0.127356	0.000830294	1.52275e-27	0.0871259	0.0420575	0.130014
-119.745	0.139964	0.000874575	1.99133e-27	0.090524	0.0420896	0.133488
-119.666	0.135761	0.000934803	2.81045e-27	0.0950494	0.0421308	0.138115
-119.662	0.132084	0.000937841	2.85808e-27	0.0952749	0.0421329	0.138346
-119.529	0.148369	0.00104748	5.0727e-27	0.103242	0.0422019	0.146491
-119.525	0.144166	0.00105133	5.17058e-27	0.103516	0.0422042	0.146772
-119.521	0.139964	0.00105521	5.27033e-27	0.103791	0.0422065	0.147053
-119.468	0.160977	0.00110232	6.6155e-27	0.10711	0.0422339	0.150447
-119.411	0.154673	0.001155	8.43784e-27	0.110759	0.0422633	0.154177
-119.308	0.151521	0.00125708	1.31335e-26	0.117652	0.042317	0.161226
-119.277	0.169382	0.00128945	1.50024e-26	0.119791	0.0423332	0.163414
-119.246	0.164129	0.00132192	1.70904e-26	0.121917	0.0423491	0.165588
-119.242	0.159926	0.0013267	1.74167e-26	0.122228	0.0423514	0.165906
-119.134	0.175686	0.00144848	2.7618e-26	0.13001	0.0424077	0.173866
-119.052	0.192496	0.00154768	3.91411e-26	0.136154	0.0424504	0.180152
-119.031	0.172534	0.00157407	4.27904e-26	0.137761	0.0424613	0.181797
-118.972	0.188294	0.00164934	5.4756e-26	0.142285	0.0424917	0.186426
-118.968	0.184091	0.00165519	5.57904e-26	0.142633	0.042494	0.186782
-118.964	0.179889	0.00166106	5.68442e-26	0.142981	0.0424963	0.187139
-118.859	0.1988	0.00180581	8.8459e-26	0.151417	0.0425508	0.195774
-118.828	0.193547	0.00185001	1.00565e-25	0.153935	0.0425667	0.198351
-118.724	0.213509	0.00200793	1.55417e-25	0.162722	0.0426207	0.20735
-118.694	0.208256	0.00205663	1.76569e-25	0.165369	0.0426366	0.210062
-118.689	0.204053	0.00206379	1.7987e-25	0.165756	0.0426389	0.210458

-118.612	0.201952	0.00219214	2.48167e-25	0.172591	0.042679	0.217462
-118.581	0.219813	0.00224594	2.82498e-25	0.175402	0.0426952	0.220343
-118.478	0.216661	0.00243314	4.33704e-25	0.184949	0.0427488	0.230131
-118.424	0.236624	0.00253638	5.42095e-25	0.190067	0.0427769	0.23538
-118.42	0.232421	0.00254505	5.52121e-25	0.190492	0.0427792	0.235816
-118.415	0.228218	0.00255374	5.6233e-25	0.190918	0.0427815	0.236253
-118.411	0.224016	0.00256246	5.72727e-25	0.191344	0.0427838	0.23669
-118.284	0.246079	0.00282328	9.65296e-25	0.203788	0.0428496	0.249461
-118.28	0.241877	0.00283283	9.83052e-25	0.204233	0.0428519	0.249917
-118.22	0.255535	0.00296626	1.26055e-24	0.210371	0.0428834	0.256221
-118.215	0.251333	0.00297625	1.28368e-24	0.210825	0.0428857	0.256687
-118.155	0.264991	0.00311576	1.645e-24	0.217088	0.0429171	0.263121
-118.15	0.260788	0.00312621	1.6751e-24	0.217552	0.0429194	0.263597
-118.073	0.258687	0.00331316	2.29577e-24	0.225712	0.0429596	0.271985
-118.025	0.283903	0.00343541	2.79572e-24	0.230921	0.0429847	0.277342
-118.02	0.2797	0.00344681	2.84662e-24	0.231403	0.042987	0.277836
-118.016	0.275498	0.00345826	2.89844e-24	0.231884	0.0429893	0.278332
-118.011	0.271295	0.00346973	2.95119e-24	0.232367	0.0429916	0.278828
-117.969	0.301764	0.00358236	3.51223e-24	0.237057	0.0430139	0.283653
-117.964	0.297561	0.00359421	3.57603e-24	0.237546	0.0430162	0.284156
-117.934	0.269194	0.0036751	4.03774e-24	0.240861	0.0430317	0.287568
-117.885	0.293359	0.00381245	4.93385e-24	0.246402	0.0430574	0.293272
-117.881	0.289156	0.00382498	5.02317e-24	0.246903	0.0430597	0.293787
-117.785	0.316473	0.00410596	7.40615e-24	0.257894	0.0431097	0.30511
-117.754	0.31122	0.00419901	8.37552e-24	0.261443	0.0431256	0.308767
-117.75	0.307017	0.00421268	8.52636e-24	0.26196	0.0431279	0.309301
-117.745	0.302814	0.00422639	8.67989e-24	0.262479	0.0431302	0.309835
-117.741	0.298612	0.00424014	8.83616e-24	0.262997	0.0431325	0.31037
-117.646	0.326979	0.00454464	1.29423e-23	0.274255	0.0431819	0.321981
-117.615	0.321726	0.00464657	1.46264e-23	0.277927	0.0431977	0.325772
-117.573	0.352195	0.004793	1.73597e-23	0.283123	0.04322	0.331136
-117.568	0.347992	0.00480839	1.767e-23	0.283664	0.0432223	0.331695
-117.489	0.34379	0.00509169	2.42566e-23	0.293444	0.0432636	0.3418
-117.484	0.339587	0.00510794	2.46888e-23	0.293996	0.0432659	0.342369
-117.48	0.335385	0.00512423	2.51287e-23	0.294547	0.0432682	0.34294
-117.476	0.331182	0.00514058	2.55762e-23	0.2951	0.0432705	0.343511
-117.358	0.361651	0.00559223	4.08357e-23	0.309967	0.0433317	0.358891
-117.353	0.357448	0.0056099	4.15594e-23	0.310534	0.043334	0.359477
-117.349	0.353246	0.00562762	4.22958e-23	0.311101	0.0433363	0.360065
-117.345	0.349043	0.00564539	4.30452e-23	0.311669	0.0433386	0.360653
-117.306	0.383714	0.00580138	5.01081e-23	0.316606	0.0433585	0.365766
-117.302	0.379512	0.00581964	5.09943e-23	0.317179	0.0433609	0.366359
-117.222	0.375309	0.00615547	6.97658e-23	0.327517	0.0434021	0.377075
-117.218	0.371107	0.00617472	7.09954e-23	0.328099	0.0434044	0.377678
-117.214	0.366904	0.00619402	7.22464e-23	0.328682	0.0434067	0.378282

-117.122	0.398423	0.00660551	1.03612e-22	0.340831	0.0434544	0.390891
-117.092	0.39317	0.00674782	1.16794e-22	0.34492	0.0434702	0.395138
-117.087	0.388968	0.00676871	1.18841e-22	0.345515	0.0434726	0.395757
-117.083	0.384765	0.00678966	1.20924e-22	0.346111	0.0434749	0.396376
-117.078	0.380562	0.00681067	1.23043e-22	0.346708	0.0434772	0.396996
-117.049	0.423639	0.00695203	1.38122e-22	0.35069	0.0434925	0.401135
-116.992	0.417335	0.00723047	1.72342e-22	0.358383	0.0435219	0.409135
-116.962	0.412082	0.00738467	1.94144e-22	0.362558	0.0435378	0.413481
-116.957	0.407879	0.0074073	1.97529e-22	0.363166	0.0435401	0.414114
-116.953	0.403677	0.00742999	2.00973e-22	0.363775	0.0435424	0.414747
-116.914	0.438348	0.00762908	2.33386e-22	0.36906	0.0435624	0.420251
-116.876	0.401575	0.00783505	2.71386e-22	0.374429	0.0435825	0.425847
-116.835	0.434146	0.00805591	3.17726e-22	0.380081	0.0436036	0.431741
-116.831	0.429943	0.00808035	3.23237e-22	0.3807	0.0436059	0.432387
-116.826	0.42574	0.00810486	3.28842e-22	0.38132	0.0436082	0.433033
-116.822	0.421538	0.00812944	3.34544e-22	0.381939	0.0436105	0.433679
-116.712	0.459361	0.00876082	5.12026e-22	0.397431	0.0436677	0.449859
-116.708	0.455158	0.00878714	5.20862e-22	0.398059	0.04367	0.450516
-116.703	0.450956	0.00881353	5.29848e-22	0.398688	0.0436723	0.451174
-116.699	0.446753	0.00884	5.38987e-22	0.399317	0.0436746	0.451832
-116.694	0.442551	0.00886653	5.48283e-22	0.399947	0.0436769	0.45249
-116.69	0.438348	0.00889313	5.57737e-22	0.400576	0.0436792	0.453149
-116.659	0.480374	0.00907886	6.27609e-22	0.404936	0.0436952	0.45771
-116.655	0.476171	0.00910603	6.38415e-22	0.405568	0.0436975	0.458372
-116.575	0.471969	0.00960476	8.66255e-22	0.416939	0.0437387	0.470283
-116.571	0.467766	0.00963331	8.81117e-22	0.417577	0.043741	0.470951
-116.567	0.463564	0.00966192	8.96231e-22	0.418215	0.0437433	0.47162
-116.458	0.502438	0.0103889	1.35977e-21	0.433965	0.0438	0.488154
-116.453	0.498235	0.0104195	1.38298e-21	0.434609	0.0438023	0.488831
-116.449	0.494032	0.0104501	1.40659e-21	0.435254	0.0438046	0.489508
-116.44	0.485627	0.0105117	1.455e-21	0.436543	0.0438092	0.490864
-116.436	0.481425	0.0105426	1.47982e-21	0.437188	0.0438115	0.491542
-116.431	0.477222	0.0105735	1.50506e-21	0.437833	0.0438138	0.49222
-116.402	0.520299	0.0107819	1.68434e-21	0.442135	0.0438291	0.496746
-116.345	0.513995	0.0111915	2.08932e-21	0.45041	0.0438586	0.50546
-116.315	0.508742	0.0114179	2.34619e-21	0.454883	0.0438744	0.510176
-116.238	0.50664	0.0120084	3.14328e-21	0.466225	0.0439145	0.522148
-116.224	0.541312	0.0121136	3.30671e-21	0.468198	0.0439215	0.524233
-116.194	0.536058	0.0123562	3.71105e-21	0.472698	0.0439374	0.528991
-116.189	0.531856	0.0123918	3.7737e-21	0.473352	0.0439397	0.529683
-116.185	0.527653	0.0124275	3.83739e-21	0.474006	0.043942	0.530375
-116.18	0.523451	0.0124632	3.90214e-21	0.47466	0.0439443	0.531067
-116.176	0.519248	0.0124991	3.96797e-21	0.475314	0.0439466	0.53176
-116.086	0.551818	0.0132516	5.58118e-21	0.488698	0.0439937	0.545943

-116.055	0.546565	0.0135139	6.25939e-21	0.493215	0.0440095	0.550738
-116.017	0.581236	0.0138502	7.22883e-21	0.498897	0.0440295	0.556777
-116.012	0.577034	0.0138895	7.34994e-21	0.499553	0.0440318	0.557475
-115.978	0.544464	0.0141973	8.35904e-21	0.50464	0.0440496	0.562887
-115.933	0.572831	0.0146098	9.89174e-21	0.511309	0.0440731	0.569992
-115.928	0.568629	0.014651	1.00569e-20	0.511965	0.0440754	0.570691
-115.924	0.564426	0.0146922	1.02247e-20	0.512621	0.0440777	0.571391
-115.92	0.560223	0.0147336	1.03953e-20	0.513277	0.04408	0.572091
-115.916	0.556546	0.0147699	1.05469e-20	0.513852	0.044082	0.572704
-115.805	0.593844	0.0158369	1.59189e-20	0.530204	0.0441395	0.59018
-115.801	0.589642	0.015881	1.61832e-20	0.530859	0.0441418	0.590881
-115.796	0.585439	0.0159252	1.64518e-20	0.531513	0.0441441	0.591583
-115.792	0.581236	0.0159696	1.67248e-20	0.532168	0.0441464	0.592284
-115.788	0.577559	0.0160085	1.69673e-20	0.53274	0.0441484	0.592897
-115.757	0.61906	0.0163241	1.90476e-20	0.537341	0.0441646	0.597829
-115.678	0.614857	0.0171519	2.55516e-20	0.549026	0.0442059	0.610384
-115.673	0.610654	0.0171991	2.59734e-20	0.549677	0.0442082	0.611085
-115.669	0.606452	0.0172465	2.64021e-20	0.550328	0.0442105	0.611785
-115.661	0.598572	0.0173356	2.72248e-20	0.551548	0.0442148	0.613099
-115.62	0.631667	0.0177707	3.15578e-20	0.557419	0.0442356	0.619425
-115.541	0.627465	0.0186609	4.226e-20	0.56901	0.0442769	0.631948
-115.537	0.623262	0.0187117	4.29534e-20	0.569655	0.0442792	0.632646
-115.532	0.61906	0.0187627	4.36581e-20	0.5703	0.0442815	0.633344
-115.419	0.653731	0.0201058	6.61143e-20	0.586703	0.0443404	0.651149
-115.415	0.649528	0.0201599	6.71934e-20	0.587341	0.0443427	0.651843
-115.41	0.645326	0.0202142	6.82898e-20	0.587978	0.044345	0.652537
-115.406	0.641123	0.0202686	6.94039e-20	0.588615	0.0443473	0.653231
-115.401	0.636921	0.0203232	7.0536e-20	0.589252	0.0443496	0.653925
-115.397	0.632718	0.0203778	7.16863e-20	0.589889	0.0443519	0.654619
-115.284	0.66739	0.0218185	1.08292e-19	0.606054	0.0444108	0.672283
-115.227	0.6842	0.0225781	1.33265e-19	0.614125	0.0444406	0.681144
-115.222	0.679997	0.0226379	1.35421e-19	0.614747	0.0444429	0.681828
-115.218	0.675795	0.0226978	1.37612e-19	0.615369	0.0444452	0.682512
-115.213	0.671592	0.0227578	1.39838e-19	0.615991	0.0444475	0.683196
-115.156	0.688402	0.0235451	1.71974e-19	0.623978	0.0444772	0.692
-115.094	0.70101	0.0244189	2.14784e-19	0.6325	0.0445093	0.701428
-115.09	0.696808	0.0244828	2.18239e-19	0.633109	0.0445116	0.702103
-115.086	0.692605	0.0245468	2.21749e-19	0.633717	0.0445139	0.702778
-115.073	0.728327	0.024725	2.31776e-19	0.635403	0.0445203	0.704648
-115.043	0.723074	0.0251724	2.58656e-19	0.639571	0.0445361	0.70928
-115.038	0.718871	0.0252379	2.62807e-19	0.640175	0.0445384	0.709951
-115.034	0.714669	0.0253036	2.67024e-19	0.640777	0.0445407	0.710622
-115.03	0.710466	0.0253694	2.71307e-19	0.64138	0.044543	0.711292
-115.025	0.706264	0.0254354	2.75659e-19	0.641982	0.0445454	0.711962
-114.991	0.745138	0.0259454	3.11355e-19	0.646573	0.044563	0.717082

-114.948	0.704162	0.026607	3.63463e-19	0.652373	0.0445855	0.723565
-114.912	0.740935	0.0271715	4.13617e-19	0.657185	0.0446043	0.72896
-114.907	0.736732	0.0272414	4.20216e-19	0.657772	0.0446066	0.72962
-114.904	0.733055	0.0273027	4.26076e-19	0.658285	0.0446086	0.730196
-114.868	0.770353	0.0278706	4.83789e-19	0.662976	0.0446271	0.735474
-114.789	0.766151	0.0291724	6.41679e-19	0.673289	0.0446684	0.747129
-114.784	0.761948	0.0292465	6.51859e-19	0.673859	0.0446707	0.747776
-114.78	0.757745	0.0293208	6.62199e-19	0.674428	0.044673	0.748421
-114.775	0.753543	0.0293953	6.72701e-19	0.674996	0.0446753	0.749067
-114.771	0.74934	0.0294699	6.83367e-19	0.675564	0.0446776	0.749711
-114.767	0.745663	0.0295354	6.92837e-19	0.67606	0.0446796	0.750275
-114.652	0.778758	0.0315311	1.0408e-18	0.690535	0.0447394	0.766806
-114.648	0.774556	0.0316102	1.05721e-18	0.691083	0.0447417	0.767435
-114.643	0.770353	0.0316895	1.07388e-18	0.691631	0.044744	0.768065
-114.604	0.803974	0.0324032	1.23427e-18	0.696477	0.0447645	0.773645
-114.547	0.79767	0.0334495	1.50625e-18	0.70332	0.0447939	0.781563
-114.517	0.792417	0.0340252	1.67661e-18	0.706956	0.0448098	0.785791
-114.512	0.788214	0.0341095	1.70288e-18	0.70748	0.0448121	0.786402
-114.508	0.784012	0.0341939	1.72956e-18	0.708004	0.0448144	0.787013
-114.47	0.818683	0.0349323	1.97849e-18	0.712508	0.0448344	0.792275
-114.39	0.81448	0.0365014	2.61092e-18	0.721623	0.0448756	0.803
-114.386	0.810278	0.0365907	2.65159e-18	0.722124	0.0448779	0.803593
-114.381	0.806075	0.0366801	2.69289e-18	0.722624	0.0448802	0.804184
-114.378	0.802398	0.0367586	2.72955e-18	0.723061	0.0448823	0.804702
-114.338	0.835493	0.0375765	3.138e-18	0.727531	0.0449031	0.81001
-114.258	0.831291	0.039242	4.1341e-18	0.736173	0.0449443	0.820359
-114.254	0.827088	0.0393367	4.19811e-18	0.736647	0.0449466	0.82093
-114.249	0.822886	0.0394317	4.26309e-18	0.73712	0.0449489	0.8215
-114.246	0.819208	0.0395149	4.32076e-18	0.737533	0.044951	0.821999
-114.201	0.848101	0.0404795	5.03977e-18	0.742216	0.0449741	0.82767
-114.145	0.841797	0.0417352	6.12784e-18	0.748037	0.0450035	0.834776
-114.114	0.836544	0.0424252	6.80748e-18	0.751109	0.0450194	0.838553
-114.037	0.834443	0.0442109	8.87516e-18	0.758658	0.0450595	0.847929
-114.01	0.856506	0.0448427	9.7259e-18	0.761197	0.0450734	0.851113
-113.98	0.851253	0.0455739	1.07975e-17	0.764053	0.0450892	0.854716
-113.975	0.84705	0.0456809	1.09625e-17	0.764463	0.0450915	0.855235
-113.928	0.873317	0.0468339	1.28834e-17	0.768771	0.0451161	0.860721
-113.849	0.869114	0.0488238	1.68847e-17	0.775729	0.0451574	0.86971
-113.844	0.864911	0.0489369	1.71412e-17	0.776107	0.0451597	0.870203
-113.841	0.861234	0.049036	1.73687e-17	0.776436	0.0451617	0.870634
-113.717	0.885924	0.0522868	2.64299e-17	0.786506	0.0452261	0.884019
-113.712	0.881722	0.0524062	2.68288e-17	0.78685	0.0452284	0.884484
-113.708	0.877519	0.0525259	2.72336e-17	0.787192	0.0452307	0.884949
-113.703	0.873317	0.0526457	2.76444e-17	0.787533	0.045233	0.885412

-113.655	0.898532	0.0539676	3.25427e-17	0.791178	0.0452581	0.890403
-113.576	0.89433	0.0561947	4.25019e-17	0.796849	0.0452994	0.898343
-113.571	0.890127	0.0563212	4.3139e-17	0.797155	0.0453017	0.898777
-113.471	0.913241	0.0592504	6.0404e-17	0.803742	0.045354	0.908347
-113.44	0.907988	0.060163	6.68825e-17	0.805615	0.0453698	0.911147
-113.436	0.903785	0.0602964	6.78785e-17	0.805881	0.0453721	0.91155
-113.432	0.899583	0.0604301	6.88892e-17	0.806147	0.0453744	0.911952
-113.355	0.897482	0.0627945	8.90579e-17	0.810565	0.0454145	0.918774
-113.305	0.921647	0.0643476	1.04939e-16	0.81319	0.0454403	0.922978
-113.301	0.917444	0.0644882	1.06492e-16	0.813418	0.0454426	0.923349
-113.196	0.936356	0.0678886	1.50647e-16	0.818415	0.0454971	0.931801
-113.165	0.931102	0.068903	1.6658e-16	0.819729	0.045513	0.934144
-113.161	0.9269	0.0690512	1.69028e-16	0.819914	0.0455153	0.93448
-113.084	0.924798	0.0716719	2.17783e-16	0.822925	0.0455554	0.940152
-113.03	0.944761	0.0735469	2.59808e-16	0.824784	0.0455834	0.943914
-113.025	0.940558	0.0737028	2.636e-16	0.824928	0.0455857	0.944217
-112.968	0.957369	0.0757375	3.17732e-16	0.826662	0.0456155	0.948015
-112.889	0.953166	0.0786306	4.11355e-16	0.828688	0.0456567	0.952975
-112.885	0.948963	0.0787946	4.17317e-16	0.828788	0.0456591	0.953241
-112.823	0.961571	0.0811021	5.09625e-16	0.830034	0.0456911	0.956828
-112.744	0.957369	0.0841476	6.58572e-16	0.831242	0.0457324	0.961122
-112.626	0.963672	0.0888421	9.63136e-16	0.832206	0.0457938	0.966842
-112.455	0.967875	0.0959448	1.6592e-15	0.831835	0.0458825	0.973662
-112.31	0.972078	0.102327	2.6296e-15	0.829875	0.0459581	0.97816
-112.239	0.97628	0.105528	3.28328e-15	0.828384	0.0459947	0.979907
-112.02	0.981533	0.115939	6.51562e-15	0.821514	0.0461087	0.983561
-112.016	0.977331	0.116156	6.60598e-15	0.821341	0.046111	0.983608
-111.722	0.982584	0.131239	1.63666e-14	0.806859	0.046264	0.984362
-111.717	0.978382	0.131476	1.659e-14	0.806597	0.0462663	0.984339
-111.443	0.978382	0.146724	3.82214e-14	0.787904	0.0464092	0.981037
-111.264	0.974179	0.157267	6.54597e-14	0.773227	0.0465024	0.976996
-111.184	0.969976	0.162083	8.29284e-14	0.76614	0.0465436	0.974767
-111.027	0.962622	0.171917	1.3226e-13	0.751048	0.0466256	0.969591
-110.982	0.967875	0.174752	1.50744e-13	0.746561	0.0466487	0.967961
-110.87	0.956318	0.182029	2.09418e-13	0.7348	0.046707	0.963536
-110.826	0.961571	0.184961	2.3842e-13	0.729973	0.0467301	0.961664
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-110.509	0.944761	0.206695	5.96964e-13	0.692947	0.0468951	0.946537
-110.392	0.929001	0.215004	8.32727e-13	0.678354	0.0469557	0.940314
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-110.325	0.936356	0.219872	1.00788e-12	0.669725	0.0469907	0.936588
-110.321	0.932153	0.220195	1.02062e-12	0.669151	0.046993	0.936339
-110.167	0.92795	0.231591	1.57778e-12	0.648769	0.0470732	0.927433
-110.162	0.923748	0.231922	1.59756e-12	0.648173	0.0470755	0.927171

-110.075	0.912191	0.238484	2.03945e-12	0.636354	0.0471208	0.921958
-110.008	0.919545	0.243602	2.45999e-12	0.627107	0.0471557	0.917865
-110.004	0.915343	0.243941	2.49054e-12	0.626493	0.047158	0.917592
-109.916	0.903785	0.250656	3.1724e-12	0.614337	0.0472033	0.912196
-109.849	0.91114	0.255888	3.82001e-12	0.604854	0.0472382	0.90798
-109.845	0.906937	0.256234	3.86701e-12	0.604226	0.0472406	0.907701
-109.753	0.891178	0.263441	4.97496e-12	0.591161	0.0472882	0.90189
-109.713	0.900634	0.266614	5.55127e-12	0.585411	0.0473089	0.899334
-109.683	0.89538	0.269045	6.03461e-12	0.581007	0.0473248	0.897377
-109.553	0.890127	0.279531	8.60749e-12	0.562045	0.0473926	0.888969
-109.522	0.884874	0.282006	9.34956e-12	0.557581	0.0474085	0.886995
-109.436	0.874367	0.28902	1.17942e-11	0.544953	0.0474532	0.881426
-109.369	0.881722	0.294538	1.41285e-11	0.535052	0.0474881	0.877078
-109.365	0.877519	0.294903	1.42974e-11	0.534398	0.0474904	0.876791
-109.276	0.864911	0.302201	1.81033e-11	0.521358	0.0475363	0.871095
-109.21	0.873317	0.307699	2.15854e-11	0.511577	0.0475707	0.866846
-109.206	0.869114	0.308068	2.18411e-11	0.51092	0.047573	0.866562
-109.113	0.852304	0.315825	2.79179e-11	0.497196	0.0476212	0.860642
-109.052	0.864911	0.32101	3.28451e-11	0.488072	0.0476532	0.856734
-109.047	0.860709	0.321383	3.32303e-11	0.487416	0.0476555	0.856454
-109.043	0.856506	0.321757	3.362e-11	0.48676	0.0476578	0.856175
-108.956	0.844949	0.329119	4.22533e-11	0.473886	0.0477031	0.850708
-108.911	0.850202	0.332884	4.74531e-11	0.467337	0.0477262	0.847947
-108.755	0.843899	0.346205	7.12494e-11	0.444369	0.0478076	0.838382
-108.725	0.838645	0.34881	7.70903e-11	0.439916	0.0478235	0.836549
-108.643	0.832341	0.355782	9.50949e-11	0.428061	0.0478659	0.831709
-108.571	0.835493	0.361909	1.14233e-10	0.417722	0.0479031	0.827534
-108.417	0.831291	0.375119	1.69109e-10	0.395689	0.0479833	0.818792
-108.413	0.827088	0.375499	1.71015e-10	0.395062	0.0479856	0.818546
-108.258	0.821835	0.388784	2.52876e-10	0.373283	0.0480664	0.810133
-108.102	0.816582	0.402014	3.72478e-10	0.351972	0.0481472	0.802133
-107.971	0.810278	0.413141	5.15401e-10	0.334344	0.0482156	0.795701
-107.94	0.805025	0.415711	5.55515e-10	0.330312	0.0482315	0.794254
-107.854	0.794518	0.422925	6.85633e-10	0.319069	0.0482762	0.79027
-107.787	0.801873	0.428527	8.0745e-10	0.310417	0.0483112	0.787255
-107.783	0.79767	0.428896	8.16187e-10	0.309851	0.0483135	0.78706
-107.695	0.785062	0.436202	1.01057e-09	0.298677	0.0483593	0.783238
-107.629	0.793467	0.441632	1.18491e-09	0.290447	0.0483937	0.780473
-107.624	0.789265	0.441995	1.19759e-09	0.289899	0.048396	0.78029
-107.493	0.782961	0.452685	1.64048e-09	0.273892	0.0484644	0.775042
-107.462	0.777708	0.455142	1.76403e-09	0.270249	0.0484802	0.773871
-107.375	0.766151	0.462099	2.16857e-09	0.259998	0.0485255	0.770622
-107.309	0.774556	0.467318	2.53409e-09	0.252375	0.0485599	0.768252
-107.305	0.770353	0.467666	2.56065e-09	0.251868	0.0485622	0.768096

-107.218	0.758796	0.474462	3.14094e-09	0.242028	0.0486075	0.765097
-107.173	0.764049	0.477889	3.48405e-09	0.237101	0.0486306	0.76362
-107.017	0.757745	0.489747	5.00776e-09	0.220226	0.048712	0.758685
-106.986	0.752492	0.492017	5.37237e-09	0.217025	0.0487278	0.75777
-106.856	0.747239	0.501555	7.24245e-09	0.203676	0.0487957	0.754027
-106.748	0.739884	0.509214	9.24857e-09	0.193065	0.0488516	0.75113
-106.677	0.743036	0.514194	1.08706e-08	0.186212	0.0488889	0.749295
-106.523	0.738834	0.524596	1.53553e-08	0.172004	0.0489691	0.745569
-106.368	0.734631	0.53452	2.16075e-08	0.158554	0.0490493	0.742123
-106.29	0.731479	0.539359	2.56572e-08	0.152021	0.04909	0.740469
-106.092	0.73288	0.551003	3.94809e-08	0.13632	0.0491931	0.736516
-105.767	0.73253	0.568013	7.89297e-08	0.113184	0.0493622	0.730559
-105.469	0.73358	0.581166	1.46935e-07	0.0946461	0.0495174	0.72533
-105.392	0.731479	0.584156	1.72123e-07	0.0902592	0.0495576	0.723973
-105.193	0.73288	0.591038	2.57394e-07	0.079704	0.0496607	0.720403
-105.09	0.729378	0.594162	3.16806e-07	0.0745904	0.0497145	0.718467
-104.891	0.730428	0.599225	4.69565e-07	0.0655128	0.0498179	0.714556
-104.861	0.725175	0.599893	4.98538e-07	0.0642008	0.0498337	0.713928
-104.783	0.722023	0.601471	5.80874e-07	0.0609329	0.0498744	0.712279
-104.704	0.718346	0.602862	6.76868e-07	0.0577792	0.0499154	0.710558
-104.624	0.713618	0.604069	7.8962e-07	0.0547178	0.049957	0.708745
-104.567	0.707314	0.604799	8.8012e-07	0.0526308	0.0499864	0.707417
-104.463	0.703112	0.605872	1.07356e-06	0.0489544	0.0500406	0.704868
-104.446	0.687352	0.60601	1.10789e-06	0.0483889	0.0500493	0.704449
-104.406	0.696808	0.606305	1.19485e-06	0.0470503	0.0500701	0.703427
-104.376	0.691554	0.606495	1.26557e-06	0.0460493	0.0500859	0.702632
-104.289	0.679997	0.60687	1.49011e-06	0.0432883	0.0501312	0.700291
-104.246	0.686301	0.606963	1.61541e-06	0.0419677	0.0501538	0.699087
-104.089	0.679997	0.606789	2.15732e-06	0.0374721	0.0502351	0.694498
-104.059	0.674744	0.606661	2.28146e-06	0.0366443	0.050251	0.693558
-103.977	0.66844	0.60617	2.64756e-06	0.0345065	0.0502934	0.690972
-103.906	0.671592	0.605559	3.01439e-06	0.0327176	0.0503307	0.68861
-103.822	0.663187	0.604632	3.50501e-06	0.0307244	0.0503742	0.685734
-103.751	0.66739	0.603676	3.97566e-06	0.0291282	0.0504109	0.683219
-103.62	0.661086	0.601464	5.01854e-06	0.0263383	0.0504793	0.678286
-103.516	0.656883	0.599315	6.02522e-06	0.0242908	0.0505335	0.674146
-103.314	0.654782	0.594182	8.54183e-06	0.0207124	0.0506386	0.665542
-103.205	0.646377	0.590896	1.02797e-05	0.0189818	0.0506951	0.660583
-103.135	0.650579	0.588575	1.1579e-05	0.0179283	0.0507318	0.657246
-103.051	0.642174	0.585623	1.33248e-05	0.0167427	0.0507754	0.653154
-102.98	0.646377	0.582979	1.49828e-05	0.0157987	0.050812	0.649604
-102.893	0.634819	0.579513	1.73003e-05	0.0146967	0.0508573	0.645084
-102.849	0.640073	0.577663	1.86078e-05	0.0141612	0.0508804	0.642723
-102.737	0.628516	0.572748	2.23325e-05	0.0128852	0.0509387	0.636594
-102.693	0.633769	0.570704	2.39936e-05	0.0124083	0.0509618	0.634098

-102.513	0.629566	0.561921	3.19489e-05	0.0106379	0.051055	0.623646
-102.509	0.625364	0.561693	3.21737e-05	0.0105971	0.0510573	0.62338
-102.426	0.618009	0.557352	3.66506e-05	0.00986126	0.0511003	0.61835
-102.355	0.621161	0.553454	4.09916e-05	0.00926099	0.0511375	0.613893
-102.201	0.616958	0.544633	5.20274e-05	0.00807675	0.0512178	0.60398
-102.196	0.612756	0.544372	5.23819e-05	0.00804483	0.0512201	0.603689
-102.192	0.608553	0.54411	5.27386e-05	0.00801303	0.0512224	0.603398
-102.188	0.604876	0.54388	5.30526e-05	0.00798529	0.0512244	0.603143
-102.104	0.595945	0.5388	6.03298e-05	0.0074027	0.0512682	0.597531
-102.033	0.600148	0.534432	6.71136e-05	0.00694525	0.0513049	0.592749
-101.937	0.580186	0.528314	7.74926e-05	0.00636317	0.0513548	0.58611
-101.902	0.593844	0.525999	8.17014e-05	0.00615893	0.0513733	0.583613
-101.871	0.588591	0.523992	8.54821e-05	0.00598834	0.0513892	0.581455
-101.867	0.584388	0.523699	8.60444e-05	0.00596392	0.0513915	0.58114
-101.736	0.579135	0.514901	0.000104211	0.00528421	0.0514593	0.571749
-101.706	0.574407	0.512835	0.000108858	0.00513828	0.0514749	0.569557
-101.62	0.563375	0.506772	0.000123378	0.00473686	0.0515199	0.563152
-101.553	0.57073	0.501976	0.000135857	0.00444511	0.0515548	0.558112
-101.548	0.566527	0.501657	0.000136719	0.00442644	0.0515571	0.557778
-101.461	0.55497	0.495319	0.000154738	0.00407367	0.0516024	0.55115
-101.394	0.562325	0.490349	0.000170097	0.00381926	0.0516373	0.545976
-101.39	0.558122	0.490019	0.000171158	0.00380299	0.0516396	0.545632
-101.236	0.553919	0.478338	0.000212108	0.00327441	0.0517199	0.533545
-101.231	0.549717	0.477998	0.000213407	0.00326027	0.0517222	0.533194
-101.227	0.545514	0.477657	0.000214713	0.00324618	0.0517245	0.532843
-101.223	0.541837	0.477359	0.000215862	0.0032339	0.0517265	0.532535
-101.091	0.535008	0.467081	0.00025852	0.00284001	0.0517952	0.521975
-100.987	0.530805	0.458812	0.000297509	0.00256035	0.0518494	0.51352
-100.982	0.526603	0.458458	0.000299278	0.00254905	0.0518517	0.513158
-100.926	0.520299	0.45392	0.000322727	0.00240867	0.0518811	0.508532
-100.821	0.516096	0.445468	0.000370374	0.00216826	0.0519354	0.499942
-100.817	0.511894	0.445107	0.000372532	0.00215856	0.0519377	0.499576
-100.796	0.491931	0.443389	0.000382939	0.00211299	0.0519486	0.497833
-100.738	0.507691	0.438608	0.000413162	0.00199133	0.051979	0.492991
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-100.729	0.499286	0.437879	0.00041794	0.00197342	0.0519836	0.492254
-100.724	0.495083	0.437514	0.000420347	0.00196451	0.0519859	0.491885
-100.632	0.478273	0.429851	0.000473648	0.00178659	0.0520341	0.484145
-100.593	0.488779	0.426617	0.000497772	0.00171645	0.0520543	0.480885
-100.562	0.483526	0.424071	0.000517479	0.00166318	0.0520701	0.478321
-100.462	0.459361	0.415652	0.00058738	0.00149842	0.0521224	0.469861
-100.432	0.478273	0.413125	0.00060986	0.00145218	0.052138	0.467325
-100.401	0.47302	0.410551	0.000633505	0.00140651	0.0521538	0.464744
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-100.062	0.435196	0.38166	0.000957684	0.0009803	0.0523304	0.435929
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-97.69	0.245029	0.192557	0.0102644	5.95924e-05	0.0535646	0.256446
-97.6195	0.249231	0.187806	0.0108625	5.4431e-05	0.0536012	0.252325
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-97.4582	0.2382	0.177181	0.0123302	4.41589e-05	0.0536852	0.243241
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-96.9146	0.219813	0.144122	0.0183226	2.14755e-05	0.053968	0.216434
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-96.7127	0.217712	0.132937	0.0209717	1.63243e-05	0.054073	0.207998
-96.5563	0.211408	0.124683	0.02318	1.31678e-05	0.0541544	0.20203
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-96.2457	0.200901	0.10935	0.0279511	8.54043e-06	0.054316	0.191625
-96.0665	0.196699	0.101138	0.0309189	6.62795e-06	0.0544092	0.186473
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-95.7853	0.190395	0.0891613	0.0358511	4.42726e-06	0.0545556	0.179572
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-94.7536	0.158876	0.0541295	0.0553468	9.50354e-07	0.0550923	0.16457
-94.5539	0.158876	0.048819	0.0590233	6.98128e-07	0.0551962	0.163039
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-94.2294	0.158876	0.0410881	0.064637	4.19838e-07	0.0553651	0.161091

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-91.3638	0.139964	0.00699896	0.0692202	3.17461e-09	0.056856	0.133075
-91.2812	0.132609	0.00660696	0.0680139	2.72869e-09	0.0568989	0.13152
-91.2096	0.135761	0.00628339	0.0669269	2.39232e-09	0.0569362	0.130146
-91.0782	0.129457	0.00572562	0.0648362	1.8766e-09	0.0570046	0.127566
-90.9739	0.125255	0.00531506	0.0630997	1.54619e-09	0.0570588	0.125474
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-90.7399	0.116324	0.00448788	0.058993	9.97667e-10	0.0571806	0.120662
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-90.3571	0.108444	0.00338172	0.0518539	4.82432e-10	0.0573797	0.112615
-90.1552	0.106343	0.00290343	0.0479859	3.27159e-10	0.0574848	0.108374
-89.9761	0.102141	0.0025313	0.0445511	2.31104e-10	0.057578	0.10466
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-89.389	0.0898829	0.00159542	0.0336893	7.25742e-11	0.0578834	0.0931681
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-88.6776	0.0779756	0.000889295	0.0222941	1.71329e-11	0.0582536	0.081437
-88.454	0.0790262	0.000735926	0.019256	1.07877e-11	0.0583699	0.0783618
-88.1545	0.0790262	0.000568633	0.0156261	5.76499e-12	0.0585257	0.0747205
-87.8549	0.0790262	0.00043724	0.0124991	3.0571e-12	0.0586816	0.0716179
-87.5554	0.0790262	0.000334578	0.00985489	1.60865e-12	0.0588374	0.0690269
-87.4772	0.0758743	0.00031175	0.00923997	1.35864e-12	0.0588781	0.0684298
-87.2536	0.0769249	0.000254263	0.00764428	8.35902e-13	0.0589944	0.066893
-87.2503	0.073773	0.000253489	0.00762231	8.29864e-13	0.0589962	0.066872
-86.975	0.0730726	0.000196471	0.00596807	4.53526e-13	0.0591394	0.0653039
-86.8715	0.0695704	0.000178329	0.00542635	3.60733e-13	0.0591933	0.064798
-86.671	0.06887	0.000147588	0.00449143	2.30989e-13	0.0592976	0.0639366
-86.4915	0.0643172	0.00012435	0.00377091	1.54494e-13	0.059391	0.0632862

-86.4133	0.0611652	0.000115345	0.0034887	1.2955e-13	0.0594316	0.0630357
-86.2129	0.0604648	9.49877e-05	0.00284536	8.23013e-14	0.0595359	0.0624763
-85.8891	0.0611652	6.90954e-05	0.00201939	3.92607e-14	0.0597044	0.0617929
-85.812	0.0590639	6.39987e-05	0.00185644	3.28724e-14	0.0597445	0.0616649
-85.5918	0.0632665	5.1327e-05	0.0014522	1.97379e-14	0.0598591	0.0613626
-85.5147	0.0611652	4.7482e-05	0.00133011	1.64936e-14	0.0598992	0.0612768
-85.2967	0.0674691	3.80319e-05	0.00103229	9.8991e-15	0.0600126	0.0610829
-85.2928	0.0637918	3.78813e-05	0.00102758	9.80931e-15	0.0600146	0.0610801
-85.0016	0.0716717	2.8048e-05	0.000723615	4.92754e-15	0.0601662	0.0609178
-84.9982	0.0685198	2.79513e-05	0.00072067	4.88879e-15	0.0601679	0.0609165
-84.7075	0.0769249	2.06118e-05	0.000500902	2.44095e-15	0.0603191	0.0608406
-84.7037	0.0732477	2.05276e-05	0.000498433	2.41833e-15	0.0603211	0.0608401
-84.6371	0.0811275	1.91317e-05	0.000457692	2.06049e-15	0.0603558	0.0608326
-84.4158	0.0842795	1.51122e-05	0.000342959	1.20666e-15	0.0604709	0.060829
-84.4113	0.0800769	1.50406e-05	0.000340957	1.19376e-15	0.0604732	0.0608292
-84.1401	0.0832288	1.12237e-05	0.000236787	6.15986e-16	0.0606144	0.0608624
-84.0369	0.0800769	1.00307e-05	0.000205489	4.78146e-16	0.060668	0.0608836
-83.8361	0.0790262	8.04675e-06	0.000155176	2.91273e-16	0.0607725	0.0609357
-83.6569	0.0748237	6.59818e-06	0.000120124	1.86622e-16	0.0608657	0.0609925
-83.5776	0.0706211	6.03982e-06	0.000107076	1.53105e-16	0.060907	0.0610201
-83.3757	0.0685198	4.81507e-06	7.95395e-05	9.22713e-17	0.061012	0.0610964
-83.1966	0.0643172	3.93067e-06	6.0763e-05	5.87006e-17	0.0611053	0.06117
-83.1173	0.0601146	3.59093e-06	5.3846e-05	4.80067e-17	0.0611465	0.061204
-82.9179	0.0604648	2.85688e-06	3.95654e-05	2.88913e-17	0.0612502	0.0612927
-82.5931	0.0601146	1.95894e-06	2.36179e-05	1.25354e-17	0.0614193	0.0614448
-82.4488	0.0653678	1.65375e-06	1.8681e-05	8.62725e-18	0.0614943	0.0615146
-82.3717	0.0632665	1.50992e-06	1.64576e-05	7.06017e-18	0.0615344	0.0615524
-82.1537	0.0695704	1.16535e-06	1.14421e-05	3.99432e-18	0.0616478	0.0616604
-82.1504	0.0664185	1.16074e-06	1.13783e-05	3.95968e-18	0.0616496	0.0616621
-81.8564	0.0716717	8.15138e-07	6.88452e-06	1.82476e-18	0.0618025	0.0618102
-81.558	0.0727224	5.66678e-07	4.07588e-06	8.24849e-19	0.0619578	0.0619624
-81.2562	0.0706211	3.9044e-07	2.3644e-06	3.66703e-19	0.0621148	0.0621176
-81.178	0.0674691	3.54222e-07	2.04829e-06	2.96834e-19	0.0621555	0.0621579
-81.0216	0.0611652	2.91264e-07	1.53268e-06	1.9419e-19	0.0622369	0.0622387
-80.9772	0.0664185	2.75463e-07	1.41059e-06	1.72092e-19	0.06226	0.0622617
-80.8208	0.0601146	2.26118e-07	1.0502e-06	1.12279e-19	0.0623413	0.0623426
-80.6416	0.055912	1.80066e-07	7.45438e-07	6.86651e-20	0.0624346	0.0624355
-80.6372	0.0517094	1.79051e-07	7.391e-07	6.78331e-20	0.0624369	0.0624378
-80.5579	0.0475068	1.61787e-07	6.33964e-07	5.45132e-20	0.0624781	0.0624789
-80.3582	0.0475068	1.25148e-07	4.28885e-07	3.13634e-20	0.062582	0.0625826
-80.2539	0.0433042	1.0935e-07	3.48827e-07	2.34674e-20	0.0626363	0.0626367
-80.052	0.0412029	8.40643e-08	2.32653e-07	1.3348e-20	0.0627413	0.0627416
-79.8728	0.0370003	6.64461e-08	1.61527e-07	8.06677e-21	0.0628345	0.0628348
-79.7946	0.0338484	5.99302e-08	1.37522e-07	6.46917e-21	0.0628752	0.0628754

-79.5733	0.0370003	4.46694e-08	8.67582e-08	3.45413e-21	0.0629904	0.0629905
-79.57	0.0338484	4.44719e-08	8.61553e-08	3.42165e-21	0.0629921	0.0629922
-79.2749	0.0380509	2.99289e-08	4.60417e-08	1.47231e-21	0.0631457	0.0631457
-79.271	0.0343737	2.97727e-08	4.56602e-08	1.45602e-21	0.0631477	0.0631477

Table 2. Data from the experimental and approximation plot for MCM-48

-136.723	0.0228345	5.03799e-07	3.15233e-48	-0.0616491	7.0298e-64	0.0246464
-136.557	0.0185602	6.0006e-07	8.67089e-48	-0.0616491	2.13528e-63	0.0246539
-136.488	0.0153611	6.44799e-07	1.31511e-47	-0.0616491	3.37441e-63	0.0246569
-136.291	0.0146288	7.92437e-07	4.34719e-47	-0.0616491	1.25614e-62	0.0246658
-135.997	0.012467	1.07436e-06	2.54912e-46	-0.0616491	8.8016e-62	0.0246791
-135.703	0.0103052	1.45173e-06	1.47262e-45	-0.0616491	6.08383e-61	0.0246925
-135.61	0.00674861	1.59509e-06	2.55153e-45	-0.0616491	1.11574e-60	0.0246967
-135.392	0.00406375	1.98912e-06	9.27186e-45	-0.0616491	4.63808e-60	0.0247068
-135.385	0.00778594	2.00321e-06	9.66268e-45	-0.0616491	4.85455e-60	0.0247071
-135.094	0.00349714	2.67733e-06	5.28622e-44	-0.0616491	3.1785e-59	0.0247206
-135.088	0.00668759	2.69339e-06	5.47496e-44	-0.0616491	3.30431e-59	0.0247209
-134.792	0.00558923	3.6091e-06	3.05559e-43	-0.0616491	2.21831e-58	0.0247349
-134.786	0.00877968	3.63049e-06	3.16369e-43	-0.0616491	2.30546e-58	0.0247352
-134.486	0.0098083	4.86691e-06	1.77902e-42	-0.0616491	1.56553e-57	0.0247497
-134.48	0.0129987	4.89541e-06	1.84137e-42	-0.0616491	1.62657e-57	0.02475
-134.179	0.0145591	6.54561e-06	1.02498e-41	-0.0616491	1.09559e-56	0.024765
-134.172	0.0182813	6.5898e-06	1.06661e-41	-0.0616491	1.14519e-56	0.0247654
-133.874	0.0182464	8.75463e-06	5.74492e-41	-0.0616491	7.45996e-56	0.0247807
-133.868	0.0214369	8.80463e-06	5.9425e-41	-0.0616491	7.74629e-56	0.024781
-133.568	0.0224655	1.1678e-05	3.18642e-40	-0.0616491	5.03698e-55	0.0247972
-133.27	0.0224306	1.54066e-05	1.66373e-39	-0.0616491	3.18951e-54	0.0248141
-132.965	0.0255862	2.03674e-05	8.84063e-39	-0.0616491	2.0663e-53	0.0248325
-132.895	0.0234505	2.17182e-05	1.29925e-38	-0.0616491	3.18015e-53	0.024837
-132.665	0.0266148	2.67327e-05	4.52403e-38	-0.0616491	1.28757e-52	0.0248521
-132.367	0.0265799	3.4903e-05	2.25502e-37	-0.0616492	7.81533e-52	0.0248735
-132.069	0.0265451	4.5414e-05	1.10692e-36	-0.0616492	4.67793e-51	0.0248972
-131.771	0.0265102	5.88876e-05	5.35082e-36	-0.0616492	2.76114e-50	0.0249239
-131.702	0.023311	6.24805e-05	7.6692e-36	-0.0616492	4.14414e-50	0.0249305
-131.477	0.0243484	7.58362e-05	2.49458e-35	-0.0616492	1.56966e-49	0.0249538
-131.408	0.0211492	8.04006e-05	3.56301e-35	-0.0616492	2.34841e-49	0.0249614
-131.211	0.020417	9.50499e-05	9.9066e-35	-0.0616492	7.46637e-49	0.0249848
-130.917	0.0182551	0.000121629	4.48911e-34	-0.0616492	4.13594e-48	0.0250244
-130.592	0.0189264	0.000159012	2.33477e-33	-0.0616492	2.68846e-47	0.0250761
-130.522	0.0167907	0.000168464	3.33362e-33	-0.0616492	4.03021e-47	0.0250887
-130.292	0.019955	0.000203036	1.05664e-32	-0.0616492	1.49773e-46	0.0251334
-130.286	0.0231454	0.000204026	1.08892e-32	-0.0616492	1.54995e-46	0.0251347
-129.986	0.024174	0.000259588	4.8506e-32	-0.0616492	8.51083e-46	0.0252035
-129.98	0.0273645	0.000260834	4.99722e-32	-0.0616492	8.80506e-46	0.025205

-129.679	0.0289248	0.00033095	2.20179e-31	-0.0616492	4.79235e-45	0.0252885
-129.38	0.0294217	0.000417794	9.45819e-31	-0.0616492	2.54292e-44	0.0253885
-129.08	0.0304503	0.000526007	4.01998e-30	-0.0616492	1.33784e-43	0.02551
-128.776	0.0336059	0.000661932	1.71456e-29	-0.0616492	7.09304e-43	0.0256594
-128.705	0.0314702	0.00069781	2.39455e-29	-0.0616492	1.04209e-42	0.0256984
-128.478	0.033571	0.000826328	6.99673e-29	-0.0616492	3.58758e-42	0.025837
-128.472	0.0367615	0.000830005	7.19695e-29	-0.0616492	3.70631e-42	0.0258409
-128.197	0.0374385	0.00101502	2.5925e-28	-0.0616492	1.62899e-41	0.0260381
-128.016	0.0409631	0.00115679	5.97918e-28	-0.0616492	4.28484e-41	0.0261878
-127.718	0.0409282	0.0014315	2.34652e-27	-0.0616492	2.09142e-40	0.0264757
-127.712	0.0441187	0.00143762	2.41177e-27	-0.0616492	2.15908e-40	0.0264821
-127.418	0.0419569	0.00176784	9.15111e-27	-0.0616492	1.01729e-39	0.0268254
-127.412	0.0451473	0.00177527	9.40264e-27	-0.0616492	1.0499e-39	0.026833
-127.142	0.0433429	0.00213981	3.15471e-26	-0.0616492	4.30211e-39	0.0272095
-127.049	0.0397863	0.00228005	4.7667e-26	-0.0616492	6.96409e-39	0.0273539
-126.849	0.0408265	0.00261313	1.15946e-25	-0.0616492	1.96747e-38	0.0276958
-126.757	0.036561	0.00277897	1.73351e-25	-0.0616492	3.14954e-38	0.0278657
-126.563	0.0344108	0.00316505	4.0661e-25	-0.0616492	8.54931e-38	0.0282604
-126.469	0.0312087	0.00336697	6.10483e-25	-0.0616492	1.37697e-37	0.0284665
-126.272	0.0304765	0.00383312	1.43459e-24	-0.0616492	3.75542e-37	0.0289413
-125.948	0.0311477	0.00472758	5.75372e-24	-0.0616492	1.92616e-36	0.0298501
-125.877	0.029012	0.00494552	7.76387e-24	-0.0616492	2.74247e-36	0.0300712
-125.647	0.0321763	0.00571955	2.0473e-23	-0.0616492	8.61779e-36	0.0308554
-125.641	0.0353667	0.00574122	2.09971e-23	-0.0616492	8.8792e-36	0.0308773
-125.365	0.0371073	0.00682149	6.66985e-23	-0.0616492	3.48778e-35	0.0319698
-125.184	0.0406319	0.00762197	1.40838e-22	-0.0616492	8.46504e-35	0.0327783
-124.886	0.040597	0.00912892	4.77794e-22	-0.0616492	3.61794e-34	0.0342984
-124.88	0.0437874	0.00916189	4.89639e-22	-0.0616492	3.725e-34	0.0343317
-124.578	0.0458795	0.0109607	1.66189e-21	-0.0616492	1.60002e-33	0.0361438
-124.507	0.0437439	0.0114232	2.20544e-21	-0.0616492	2.24376e-33	0.0366095
-124.282	0.0447812	0.0130212	5.42162e-21	-0.0616492	6.58374e-33	0.0382174
-124.276	0.0479716	0.0130664	5.55254e-21	-0.0616492	6.77468e-33	0.0382629
-123.976	0.0490002	0.0155042	1.81189e-20	-0.0616492	2.80105e-32	0.040714
-123.678	0.0484336	0.0183024	5.7541e-20	-0.0616492	1.12594e-31	0.0435253
-123.524	0.0510749	0.01992	1.04138e-19	-0.0616492	2.30382e-31	0.0451498
-123.226	0.05104	0.0234061	3.24383e-19	-0.0616492	9.10923e-31	0.0486491
-122.926	0.0520687	0.0274367	1.00254e-18	-0.0616492	3.58425e-30	0.0526929
-122.627	0.0525655	0.0320331	3.03942e-18	-0.0616492	1.38422e-29	0.0573025
-122.472	0.0557385	0.0346641	5.36877e-18	-0.0616492	2.77345e-29	0.0599404
-122.314	0.0605068	0.0375327	9.54766e-18	-0.0616492	5.61044e-29	0.062816
-122.153	0.0668702	0.0406598	1.70903e-17	-0.0616492	1.14561e-28	0.0659503
-122.009	0.0641941	0.043639	2.86554e-17	-0.0616492	2.16162e-28	0.0689358
-121.851	0.0689623	0.0471167	5.03201e-17	-0.0616492	4.32268e-28	0.0724205
-121.843	0.0732163	0.0472992	5.17722e-17	-0.0616492	4.47689e-28	0.0726033

-121.566	0.0749568	0.0539605	1.3719e-16	-0.0616492	1.49065e-27	0.0792769
-121.385	0.0784814	0.0587137	2.57353e-16	-0.0616492	3.24785e-27	0.0840381
-121.303	0.0827266	0.0609981	3.42454e-16	-0.0616492	4.62873e-27	0.0863261
-121.146	0.0869631	0.0655457	5.87876e-16	-0.0616492	9.05647e-27	0.0908807
-121.078	0.0832322	0.0675831	7.40601e-16	-0.0616492	1.20705e-26	0.0929211
-120.92	0.0880004	0.072555	1.26794e-15	-0.0616492	2.3586e-26	0.0979
-120.912	0.0922544	0.0728149	1.30285e-15	-0.0616492	2.43988e-26	0.0981602
-120.629	0.0975398	0.0824862	3.37697e-15	-0.0616492	8.02263e-26	0.107844
-120.612	0.093283	0.0830912	3.57191e-15	-0.0616492	8.60683e-26	0.10845
-120.513	0.106036	0.0867079	4.95804e-15	-0.0616492	1.2982e-25	0.112071
-120.447	0.101773	0.0892174	6.17975e-15	-0.0616492	1.71154e-25	0.114583
-120.303	0.112394	0.0948574	9.93865e-15	-0.0616492	3.10981e-25	0.12023
-120.288	0.107073	0.0954521	1.04336e-14	-0.0616492	3.30593e-25	0.120825
-120.179	0.125144	0.0999011	1.48815e-14	-0.0616492	5.17011e-25	0.125279
-120.142	0.118757	0.101481	1.68231e-14	-0.0616492	6.03455e-25	0.12686
-120.048	0.115555	0.10548	2.27765e-14	-0.0616492	8.84486e-25	0.130864
-119.959	0.123522	0.109431	3.04166e-14	-0.0616492	1.27477e-24	0.134819
-119.952	0.127245	0.109745	3.11119e-14	-0.0616492	1.31174e-24	0.135133
-119.944	0.131499	0.110105	3.19258e-14	-0.0616492	1.35528e-24	0.135494
-119.845	0.144252	0.114605	4.3814e-14	-0.0616492	2.02315e-24	0.139998
-119.807	0.137865	0.116361	4.94231e-14	-0.0616492	2.35675e-24	0.141755
-119.714	0.134663	0.120801	6.65539e-14	-0.0616492	3.43738e-24	0.1462
-119.63	0.152736	0.124894	8.68134e-14	-0.0616492	4.81726e-24	0.150296
-119.623	0.143162	0.12523	8.87016e-14	-0.0616492	4.9508e-24	0.150633
-119.615	0.147416	0.125628	9.09806e-14	-0.0616492	5.11304e-24	0.151031
-119.553	0.141026	0.128763	1.10827e-13	-0.0616492	6.57145e-24	0.154168
-119.507	0.165486	0.131113	1.28141e-13	-0.0616492	7.9049e-24	0.15652
-119.447	0.157502	0.134192	1.54448e-13	-0.0616492	1.00277e-23	0.159602
-119.44	0.161224	0.134559	1.57882e-13	-0.0616492	1.03126e-23	0.159969
-119.288	0.176098	0.142701	2.53879e-13	-0.0616492	1.89068e-23	0.168118
-119.273	0.170778	0.143512	2.65833e-13	-0.0616492	2.00517e-23	0.16893
-119.173	0.184594	0.149109	3.62924e-13	-0.0616492	2.98589e-23	0.174532
-119.105	0.180863	0.152954	4.46821e-13	-0.0616492	3.8971e-23	0.178379
-118.999	0.197339	0.159112	6.17628e-13	-0.0616492	5.90268e-23	0.184542
-118.948	0.1851	0.162177	7.22688e-13	-0.0616492	7.222e-23	0.187609
-118.941	0.188822	0.162598	7.38306e-13	-0.0616492	7.42312e-23	0.188031
-118.933	0.193076	0.16308	7.5656e-13	-0.0616492	7.65977e-23	0.188513
-118.775	0.197844	0.172796	1.22166e-12	-0.0616492	1.41898e-22	0.198236
-118.768	0.201566	0.173236	1.2478e-12	-0.0616492	1.45822e-22	0.198677
-118.76	0.20582	0.173741	1.27834e-12	-0.0616492	1.50438e-22	0.199181
-118.601	0.21112	0.183962	2.06064e-12	-0.0616492	2.78568e-22	0.20941
-118.593	0.215374	0.184489	2.1106e-12	-0.0616492	2.87325e-22	0.209937
-118.585	0.219628	0.185016	2.16174e-12	-0.0616492	2.96355e-22	0.210464
-118.53	0.208985	0.188625	2.54281e-12	-0.0616492	3.65586e-22	0.214075
-118.5	0.224937	0.190638	2.78061e-12	-0.0616492	4.10424e-22	0.21609

-118.418	0.229182	0.196239	3.55115e-12	-0.0616492	5.63416e-22	0.221694
-118.335	0.233427	0.201951	4.52988e-12	-0.0616492	7.72609e-22	0.22741
-118.252	0.238204	0.207846	5.78853e-12	-0.0616492	1.06239e-21	0.233309
-118.244	0.241926	0.208346	5.90864e-12	-0.0616492	1.09113e-21	0.23381
-118.162	0.246172	0.214293	7.51856e-12	-0.0616492	1.4929e-21	0.23976
-118.084	0.261055	0.219996	9.42404e-12	-0.0616492	2.00379e-21	0.245466
-118.077	0.25148	0.220499	9.61156e-12	-0.0616492	2.05594e-21	0.24597
-118.069	0.255734	0.221094	9.83744e-12	-0.0616492	2.11918e-21	0.246565
-117.907	0.275926	0.233357	1.57046e-11	-0.0616492	3.90383e-21	0.258835
-117.892	0.270606	0.234498	1.6386e-11	-0.0616492	4.12692e-21	0.259976
-117.723	0.281223	0.247771	2.65363e-11	-0.0616492	7.76211e-21	0.273258
-117.715	0.285477	0.248412	2.71466e-11	-0.0616492	7.99727e-21	0.273899
-117.707	0.289731	0.249054	2.77706e-11	-0.0616492	8.23947e-21	0.274541
-117.699	0.293985	0.249697	2.84087e-11	-0.0616492	8.48892e-21	0.275185
-117.561	0.301415	0.260946	4.19539e-11	-0.0616492	1.41731e-20	0.286439
-117.467	0.298213	0.268714	5.44881e-11	-0.0616492	2.00011e-20	0.294212
-117.421	0.322673	0.272602	6.19636e-11	-0.0616492	2.36985e-20	0.298102
-117.379	0.305648	0.276212	6.97264e-11	-0.0616492	2.76955e-20	0.301713
-117.371	0.309902	0.276897	7.12962e-11	-0.0616492	2.85222e-20	0.302398
-117.363	0.314156	0.277583	7.29004e-11	-0.0616492	2.93733e-20	0.303085
-117.355	0.31841	0.27827	7.45399e-11	-0.0616492	3.02494e-20	0.303772
-117.197	0.323178	0.292016	1.15293e-10	-0.0616492	5.38813e-20	0.317525
-117.19	0.3269	0.292635	1.17535e-10	-0.0616492	5.52748e-20	0.318145
-117.182	0.331154	0.293343	1.2015e-10	-0.0616492	5.69112e-20	0.318854
-117.067	0.352415	0.303577	1.6435e-10	-0.0616492	8.62609e-20	0.329093
-117.029	0.346029	0.306983	1.82074e-10	-0.0616492	9.88448e-20	0.3325
-117.023	0.336454	0.3076	1.85467e-10	-0.0616492	1.01303e-19	0.333117
-117.015	0.340708	0.308328	1.89549e-10	-0.0616492	1.0428e-19	0.333846
-116.852	0.3609	0.323281	2.93791e-10	-0.0616492	1.86995e-19	0.348806
-116.845	0.351326	0.323916	2.99204e-10	-0.0616492	1.91609e-19	0.349441
-116.837	0.35558	0.324666	3.05715e-10	-0.0616492	1.97195e-19	0.350191
-116.775	0.34919	0.330539	3.61414e-10	-0.0616492	2.46615e-19	0.356067
-116.713	0.382158	0.336434	4.26579e-10	-0.0616492	3.07847e-19	0.361965
-116.669	0.365665	0.340588	4.78809e-10	-0.0616492	3.5935e-19	0.366121
-116.662	0.369387	0.341262	4.87808e-10	-0.0616492	3.6843e-19	0.366795
-116.654	0.373641	0.342032	4.98296e-10	-0.0616492	3.79085e-19	0.367566
-116.646	0.377895	0.342803	5.09003e-10	-0.0616492	3.90043e-19	0.368337
-116.494	0.39277	0.357612	7.60567e-10	-0.0616492	6.68805e-19	0.383153
-116.487	0.383195	0.358281	7.74256e-10	-0.0616492	6.85044e-19	0.383822
-116.479	0.387449	0.35907	7.9071e-10	-0.0616492	7.04699e-19	0.384611
-116.417	0.38106	0.365249	9.3117e-10	-0.0616492	8.78206e-19	0.390793
-116.312	0.397003	0.375702	1.22242e-09	-0.0616492	1.26761e-18	0.401251
-116.304	0.401257	0.376509	1.2481e-09	-0.0616492	1.3037e-18	0.402058
-116.296	0.405511	0.377317	1.2743e-09	-0.0616492	1.34079e-18	0.402867

-116.288	0.409765	0.378126	1.30104e-09	-0.0616492	1.37893e-18	0.403676
-116.28	0.414019	0.378935	1.32832e-09	-0.0616492	1.41813e-18	0.404486
-116.128	0.428893	0.394453	1.96581e-09	-0.0616492	2.41043e-18	0.42001
-116.121	0.419319	0.395152	2.00033e-09	-0.0616492	2.46799e-18	0.42071
-116.113	0.423573	0.395978	2.04181e-09	-0.0616492	2.53762e-18	0.421535
-116.05	0.417183	0.402436	2.39503e-09	-0.0616492	3.15106e-18	0.427996
-115.946	0.433127	0.41334	3.12344e-09	-0.0616492	4.52095e-18	0.438905
-115.938	0.437381	0.414181	3.18743e-09	-0.0616492	4.64749e-18	0.439746
-115.93	0.441635	0.415023	3.25269e-09	-0.0616492	4.77752e-18	0.440588
-115.922	0.445888	0.415865	3.31926e-09	-0.0616492	4.91114e-18	0.441431
-115.914	0.450142	0.416708	3.38715e-09	-0.0616492	5.04844e-18	0.442274
-115.807	0.467149	0.427975	4.42861e-09	-0.0616492	7.27667e-18	0.453546
-115.757	0.454379	0.433349	5.02449e-09	-0.0616492	8.64631e-18	0.458922
-115.749	0.458633	0.434205	5.12609e-09	-0.0616492	8.88619e-18	0.459779
-115.741	0.462887	0.435062	5.22968e-09	-0.0616492	9.13263e-18	0.460636
-115.618	0.488402	0.448238	7.09187e-09	-0.0616492	1.38593e-17	0.473817
-115.582	0.468187	0.452178	7.75968e-09	-0.0616492	1.56805e-17	0.477759
-115.58	0.482015	0.45231	7.78307e-09	-0.0616492	1.57454e-17	0.477891
-115.573	0.472441	0.453046	7.91467e-09	-0.0616492	1.6112e-17	0.478628
-115.565	0.476695	0.453916	8.07265e-09	-0.0616492	1.65552e-17	0.479497
-115.397	0.48678	0.472255	1.21854e-08	-0.0616492	2.91708e-17	0.497844
-115.39	0.490502	0.473025	1.23954e-08	-0.0616492	2.98659e-17	0.498614
-115.382	0.494756	0.473905	1.26396e-08	-0.0616492	3.06803e-17	0.499495
-115.374	0.49901	0.474786	1.28885e-08	-0.0616492	3.15166e-17	0.500377
-115.252	0.524525	0.488316	1.73429e-08	-0.0616492	4.74916e-17	0.513912
-115.217	0.503247	0.492131	1.88414e-08	-0.0616492	5.3263e-17	0.517729
-115.209	0.507501	0.493021	1.9208e-08	-0.0616492	5.47035e-17	0.518619
-115.201	0.511755	0.493911	1.95815e-08	-0.0616492	5.61823e-17	0.519509
-115.193	0.516009	0.494802	1.99621e-08	-0.0616492	5.77006e-17	0.5204
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-115.028	0.524499	0.513211	2.95969e-08	-0.0616492	9.96811e-17	0.538817
-115.02	0.528753	0.514109	3.01649e-08	-0.0616492	1.02353e-16	0.539715
-115.012	0.533007	0.515007	3.07435e-08	-0.0616492	1.05094e-16	0.540613
-115.004	0.537261	0.515905	3.13328e-08	-0.0616492	1.07909e-16	0.541512
-114.881	0.562776	0.529675	4.18328e-08	-0.0616492	1.61448e-16	0.555287
-114.845	0.542561	0.533776	4.55605e-08	-0.0616492	1.81893e-16	0.55939
-114.844	0.556389	0.533914	4.56908e-08	-0.0616492	1.8262e-16	0.559527
-114.837	0.546815	0.534679	4.64232e-08	-0.0616492	1.86725e-16	0.560294
-114.829	0.551069	0.535583	4.73016e-08	-0.0616492	1.91683e-16	0.561197
-114.704	0.577647	0.549648	6.3212e-08	-0.0616492	2.87686e-16	0.575268
-114.696	0.581901	0.550554	6.43963e-08	-0.0616492	2.95275e-16	0.576174
-114.667	0.57126	0.553903	6.89623e-08	-0.0616492	3.25073e-16	0.579525
-114.66	0.561686	0.554672	7.00532e-08	-0.0616492	3.32315e-16	0.580294
-114.652	0.56594	0.555579	7.13613e-08	-0.0616492	3.41063e-16	0.581201
-114.589	0.55955	0.562648	8.2398e-08	-0.0616492	4.1747e-16	0.588273

-114.483	0.576557	0.574714	1.05141e-07	-0.0616492	5.88513e-16	0.600344
-114.475	0.580811	0.575622	1.07078e-07	-0.0616492	6.03869e-16	0.601252
-114.467	0.585065	0.57653	1.09049e-07	-0.0616492	6.1962e-16	0.602161
-114.459	0.589319	0.577438	1.11056e-07	-0.0616492	6.35775e-16	0.603069
-114.451	0.593573	0.578346	1.13098e-07	-0.0616492	6.52345e-16	0.603977
-114.443	0.597827	0.579253	1.15177e-07	-0.0616492	6.6934e-16	0.604885
-114.435	0.602081	0.580161	1.17292e-07	-0.0616492	6.86771e-16	0.605793
-114.273	0.608444	0.598385	1.68663e-07	-0.0616492	1.14856e-15	0.624024
-114.265	0.612698	0.599291	1.71721e-07	-0.0616492	1.17821e-15	0.624931
-114.257	0.616952	0.600197	1.74832e-07	-0.0616492	1.20863e-15	0.625837
-114.249	0.621206	0.601104	1.77998e-07	-0.0616492	1.23981e-15	0.626744
-114.165	0.626515	0.610648	2.14925e-07	-0.0616493	1.62083e-15	0.636292
-114.157	0.630769	0.611552	2.18788e-07	-0.0616493	1.66245e-15	0.637197
-114.149	0.635023	0.612456	2.22719e-07	-0.0616493	1.70513e-15	0.638101
-114.064	0.640331	0.621977	2.6853e-07	-0.0616493	2.22617e-15	0.647625
-113.98	0.64564	0.63147	3.23364e-07	-0.0616493	2.90315e-15	0.657122
-113.972	0.649894	0.632369	3.29092e-07	-0.0616493	2.97701e-15	0.658021
-113.888	0.654671	0.641714	3.94897e-07	-0.0616493	3.86545e-15	0.667371
-113.881	0.658393	0.642498	4.00967e-07	-0.0616493	3.95097e-15	0.668154
-113.873	0.662647	0.643393	4.08015e-07	-0.0616493	4.05099e-15	0.66905
-113.865	0.666901	0.644287	4.15182e-07	-0.0616493	4.1535e-15	0.669944
-113.857	0.671155	0.645181	4.2247e-07	-0.0616493	4.25856e-15	0.670839
-113.849	0.675409	0.646075	4.29881e-07	-0.0616493	4.36623e-15	0.671733
-113.841	0.679663	0.646968	4.37417e-07	-0.0616493	4.47658e-15	0.672627
-113.833	0.683917	0.647861	4.4508e-07	-0.0616493	4.58968e-15	0.67352
-113.734	0.69667	0.658807	5.50519e-07	-0.0616493	6.23202e-15	0.68447
-113.676	0.688153	0.665269	6.24034e-07	-0.0616493	7.46672e-15	0.690935
-113.668	0.692407	0.666153	6.34821e-07	-0.0616493	7.65376e-15	0.69182
-113.529	0.72643	0.681362	8.52345e-07	-0.0616493	1.17219e-14	0.707035
-113.509	0.697707	0.683585	8.89845e-07	-0.0616493	1.24771e-14	0.709259
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-113.493	0.706215	0.685331	9.20442e-07	-0.0616493	1.31044e-14	0.711005
-113.492	0.720043	0.685463	9.2281e-07	-0.0616493	1.31534e-14	0.711138
-113.485	0.710469	0.686202	9.36116e-07	-0.0616493	1.34296e-14	0.711877
-113.477	0.714723	0.687074	9.52047e-07	-0.0616493	1.37627e-14	0.712749
-113.31	0.724277	0.705082	1.34981e-06	-0.0616493	2.28778e-14	0.730765
-113.302	0.728531	0.705938	1.37244e-06	-0.0616493	2.344e-14	0.731622
-113.294	0.732785	0.706795	1.39545e-06	-0.0616493	2.40159e-14	0.732478
-113.286	0.737039	0.70765	1.41882e-06	-0.0616493	2.46056e-14	0.733334
-113.155	0.766807	0.721481	1.8569e-06	-0.0616493	3.64818e-14	0.747171
-113.126	0.742339	0.724461	1.96804e-06	-0.0616493	3.97301e-14	0.750153
-113.118	0.746593	0.7253	2.00054e-06	-0.0616493	4.06971e-14	0.750992
-113.117	0.760421	0.725428	2.00553e-06	-0.0616493	4.08462e-14	0.75112
-113.11	0.750847	0.726139	2.03355e-06	-0.0616493	4.16872e-14	0.751831

-113.102	0.7551	0.726976	2.06709e-06	-0.0616493	4.2701e-14	0.752669
-113.056	0.740203	0.731811	2.27206e-06	-0.0616493	4.90691e-14	0.757507
-112.935	0.764654	0.744227	2.89925e-06	-0.0616493	7.02873e-14	0.769928
-112.927	0.768908	0.745045	2.94635e-06	-0.0616493	7.19807e-14	0.770746
-112.919	0.773162	0.745862	2.99418e-06	-0.0616493	7.37142e-14	0.771564
-112.911	0.777416	0.746678	3.04276e-06	-0.0616493	7.54887e-14	0.77238
-112.903	0.78167	0.747493	3.09209e-06	-0.0616493	7.7305e-14	0.773196
-112.789	0.802931	0.759033	3.88645e-06	-0.0616493	1.08474e-13	0.784742
-112.751	0.796544	0.762779	4.18755e-06	-0.0616493	1.21188e-13	0.788489
-112.744	0.78697	0.763452	4.24424e-06	-0.0616493	1.23634e-13	0.789163
-112.736	0.791224	0.764246	4.31205e-06	-0.0616493	1.26582e-13	0.789957
-112.611	0.817802	0.776441	5.50886e-06	-0.0616493	1.82343e-13	0.802159
-112.574	0.811416	0.780071	5.92884e-06	-0.0616493	2.03502e-13	0.805791
-112.567	0.801841	0.780724	6.00786e-06	-0.0616493	2.07571e-13	0.806444
-112.559	0.806095	0.781492	6.10235e-06	-0.0616493	2.12473e-13	0.807213
-112.392	0.815649	0.797231	8.42596e-06	-0.0616493	3.44778e-13	0.822962
-112.384	0.819903	0.797973	8.55641e-06	-0.0616493	3.52843e-13	0.823704
-112.376	0.824157	0.798713	8.68878e-06	-0.0616493	3.61093e-13	0.824445
-112.368	0.828411	0.799452	8.8231e-06	-0.0616493	3.69532e-13	0.825184
-112.36	0.832665	0.80019	8.9594e-06	-0.0616493	3.78164e-13	0.825923
-112.261	0.845418	0.80915	1.08076e-05	-0.0616493	5.01886e-13	0.834889
-112.203	0.836901	0.814369	1.20701e-05	-0.0616493	5.93227e-13	0.840111
-112.195	0.841155	0.815078	1.22537e-05	-0.0616493	6.06958e-13	0.840821
-112.036	0.846455	0.828859	1.64958e-05	-0.0616493	9.53652e-13	0.854613
-112.034	0.860284	0.828962	1.65332e-05	-0.0616493	9.56949e-13	0.854717
-112.028	0.850709	0.829538	1.67429e-05	-0.0616493	9.75521e-13	0.855293
-112.02	0.854963	0.830216	1.69935e-05	-0.0616493	9.97881e-13	0.855972
-111.965	0.84432	0.834781	1.8793e-05	-0.0616493	1.16365e-12	0.86054
-111.865	0.870901	0.842957	2.25684e-05	-0.0616493	1.5402e-12	0.868725
-111.85	0.865581	0.84415	2.31868e-05	-0.0616493	1.60544e-12	0.869919
-111.78	0.863445	0.849751	2.63564e-05	-0.0616493	1.95495e-12	0.875527
-111.688	0.885772	0.856851	3.10997e-05	-0.0616493	2.52331e-12	0.882636
-111.681	0.876198	0.857368	3.14814e-05	-0.0616493	2.57133e-12	0.883153
-111.673	0.880452	0.857977	3.19374e-05	-0.0616493	2.62911e-12	0.883763
-111.611	0.874062	0.86266	3.57113e-05	-0.0616493	3.12525e-12	0.888452
-111.506	0.890006	0.87026	4.29867e-05	-0.0616493	4.16808e-12	0.896064
-111.498	0.89426	0.87083	4.35987e-05	-0.0616493	4.26081e-12	0.896635
-111.392	0.911267	0.878239	5.25578e-05	-0.0616493	5.70314e-12	0.904058
-111.341	0.898496	0.881633	5.73806e-05	-0.0616493	6.54318e-12	0.907459
-111.333	0.90275	0.882165	5.81843e-05	-0.0616493	6.68736e-12	0.907992
-111.325	0.907004	0.882696	5.89986e-05	-0.0616493	6.83465e-12	0.908524
-111.168	0.911241	0.892706	7.72851e-05	-0.0616493	1.04509e-11	0.91856
-111.16	0.915495	0.893197	7.83488e-05	-0.0616493	1.06789e-11	0.919052
-111.152	0.919748	0.893686	7.94263e-05	-0.0616493	1.09117e-11	0.919543
-111.045	0.936755	0.900003	9.51398e-05	-0.0616493	1.45209e-11	0.92588

-110.995	0.923985	0.902871	0.000103557	-0.0616493	1.6614e-11	0.928759
-110.987	0.928239	0.903319	0.000104958	-0.0616493	1.69727e-11	0.929209
-110.979	0.932493	0.903766	0.000106375	-0.0616493	1.73389e-11	0.929657
-110.88	0.945246	0.909085	0.000125341	-0.0616493	2.25241e-11	0.935
-110.822	0.936729	0.912094	0.000138045	-0.0616493	2.62873e-11	0.938023
-110.814	0.940983	0.912498	0.000139878	-0.0616493	2.68489e-11	0.93843
-110.661	0.955857	0.919767	0.000179315	-0.0616493	4.00352e-11	0.945745
-110.655	0.946283	0.920073	0.000181298	-0.0616493	4.07523e-11	0.946054
-110.647	0.950537	0.920433	0.000183663	-0.0616493	4.16142e-11	0.946416
-110.538	0.968608	0.925092	0.000218662	-0.0616493	5.51974e-11	0.951114
-110.5	0.962221	0.926614	0.000232183	-0.0616493	6.08505e-11	0.952652
-110.407	0.959019	0.930178	0.000269137	-0.0616493	7.74153e-11	0.956257
-110.316	0.967518	0.933347	0.000310153	-0.0616493	9.76555e-11	0.959471
-110.308	0.971772	0.933614	0.000314051	-0.0616493	9.96785e-11	0.959743
-110.3	0.976026	0.933879	0.000317995	-0.0616493	1.01742e-10	0.960012
-110.292	0.98028	0.934141	0.000321985	-0.0616493	1.03848e-10	0.960278
-110.133	0.98558	0.938879	0.000411401	-0.0616493	1.55581e-10	0.965113
-110.051	0.989825	0.940984	0.000466385	-0.0616493	1.91591e-10	0.967277
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-109.557	0.987994	0.948438	0.000963387	-0.0616493	6.50469e-10	0.975249
-109.263	0.985833	0.948648	0.00145504	-0.0616493	1.32334e-09	0.975964
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-108.974	0.981189	0.94576	0.00215167	-0.0616493	2.62687e-09	0.973785
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-108.808	0.976915	0.942731	0.00267499	-0.0616493	3.8683e-09	0.971287
-108.747	0.969462	0.941379	0.0028926	-0.0616493	4.44989e-09	0.970155
-108.667	0.972644	0.939376	0.00320691	-0.0616493	5.35736e-09	0.96847
-108.606	0.965191	0.93772	0.00346269	-0.0616493	6.15457e-09	0.967072
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-108.385	0.964101	0.930551	0.00456189	-0.0616493	1.01797e-08	0.961013
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-107.828	0.942762	0.905197	0.00877901	-0.0616493	3.47904e-08	0.9399
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-107.571	0.934222	0.890094	0.011671	-0.0616493	6.042e-08	0.927701
-107.488	0.925702	0.88477	0.0127675	-0.0616493	7.20894e-08	0.923477
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-107.361	0.913986	0.876264	0.0146063	-0.0616493	9.41542e-08	0.916816
-107.293	0.923552	0.87154	0.015675	-0.0616493	1.08451e-07	0.913162
-107.278	0.918232	0.870489	0.0159174	-0.0616493	1.11847e-07	0.912354

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-107.164	0.9129	0.862187	0.0178926	-0.0616493	1.4168e-07	0.906033
-107.103	0.892682	0.857586	0.0190341	-0.0616493	1.6071e-07	0.902576
-107.027	0.906501	0.851761	0.0205279	-0.0616493	1.87651e-07	0.898249
-107.02	0.896927	0.851231	0.0206666	-0.0616493	1.90272e-07	0.897858
-107.012	0.901181	0.850605	0.0208311	-0.0616493	1.93407e-07	0.897396
-106.906	0.891595	0.842153	0.0231133	-0.0616493	2.39908e-07	0.891231
-106.769	0.885197	0.830833	0.0263563	-0.0616493	3.1599e-07	0.88316
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-105.753	0.818064	0.734627	0.0630877	-0.0616493	2.22345e-06	0.823733
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-105.216	0.78609	0.677466	0.0930423	-0.0616493	5.82766e-06	0.796554
-105.136	0.789271	0.668629	0.0982135	-0.0616493	6.70919e-06	0.792892
-105.083	0.777564	0.662844	0.101675	-0.0616493	7.35002e-06	0.790571
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-104.94	0.774356	0.646977	0.111474	-0.0616493	9.40438e-06	0.784512
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-104.028	0.757585	0.544078	0.184509	-0.0616493	4.20101e-05	0.754721
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-103.214	0.741179	0.453697	0.25618	-0.0616493	0.000142915	0.736148
-103.208	0.74437	0.453045	0.256693	-0.0616493	0.000144158	0.73601
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-102.847	0.737945	0.414564	0.286109	-0.0616493	0.000239778	0.727057
-102.787	0.730492	0.408235	0.290725	-0.0616493	0.00026062	0.725368
-102.706	0.733674	0.399871	0.296695	-0.0616493	0.000290948	0.723007
-102.646	0.726221	0.393637	0.301037	-0.0616493	0.000315814	0.721143
-102.565	0.729403	0.385403	0.306617	-0.0616493	0.000351935	0.718529
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-102.102	0.6985	0.339589	0.333469	-0.0616493	0.000643477	0.699879
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-101.5069	0.65801	0.285216	0.351761	-0.0616493	0.00132795	0.664509
-101.4989	0.662264	0.284519	0.351868	-0.0616493	0.00134048	0.663932
-101.3927	0.652678	0.275385	0.352915	-0.0616493	0.00151652	0.656026
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-101.2429	0.639896	0.262796	0.353227	-0.0616493	0.00179956	0.644038
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-101.1984	0.623935	0.25913	0.353057	-0.0616493	0.001892	0.640296
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-100.2853	0.554686	0.190918	0.324178	-0.0616493	0.00494159	0.546295
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-99.8759	0.49507	0.164744	0.297769	-0.0616493	0.00728336	0.496072
-99.8679	0.499324	0.164258	0.297188	-0.0616493	0.00733698	0.495059
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-99.7589	0.478037	0.157759	0.289087	-0.0616493	0.0080977	0.481225
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-99.6499	0.45675	0.151448	0.280631	-0.0616493	0.00892062	0.467286
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-99.5249	0.443971	0.144437	0.270551	-0.0616493	0.00994527	0.451225
-99.5169	0.448225	0.143995	0.269892	-0.0616493	0.010014	0.450193

-99.5089	0.452479	0.143555	0.269232	-0.0616493	0.0100832	0.449162
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-99.4127	0.437575	0.13835	0.261214	-0.0616493	0.0109418	0.436801
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-99.1708	0.407763	0.125871	0.240371	-0.0616493	0.0133541	0.405903
-99.164	0.398189	0.125533	0.239775	-0.0616493	0.0134273	0.405042
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-98.9167	0.384331	0.113703	0.217899	-0.0616493	0.0162982	0.374218
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-98.9019	0.379011	0.113022	0.21658	-0.0616493	0.0164836	0.372404
-98.8555	0.364114	0.110906	0.212445	-0.0616493	0.0170747	0.366747
-98.8494	0.367304	0.110635	0.21191	-0.0616493	0.0171524	0.366018
-98.7669	0.371549	0.106959	0.204569	-0.0616493	0.0182438	0.356097
-98.7305	0.351334	0.105366	0.201335	-0.0616493	0.018741	0.351769
-98.6547	0.365154	0.102115	0.194632	-0.0616493	0.0198051	0.342882
-98.6479	0.35558	0.101826	0.194032	-0.0616493	0.0199027	0.342091
-98.6399	0.359834	0.101488	0.193325	-0.0616493	0.0200182	0.341161
-98.6095	0.336428	0.10021	0.190646	-0.0616493	0.0204605	0.337648
-98.5337	0.350248	0.0970828	0.184007	-0.0616493	0.0215912	0.329016
-98.5269	0.340673	0.0968059	0.183414	-0.0616493	0.0216947	0.32825
-98.5189	0.344927	0.0964801	0.182715	-0.0616493	0.0218173	0.327348
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-98.4079	0.324704	0.0920592	0.173112	-0.0616493	0.0235613	0.315073
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-98.172	0.291701	0.0831883	0.153249	-0.0616493	0.0275695	0.290358
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-97.9199	0.267206	0.0744788	0.133127	-0.0616493	0.0322919	0.26626
-97.9119	0.27146	0.0742142	0.132508	-0.0616493	0.0324495	0.265535
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-97.803	0.250173	0.0706928	0.124243	-0.0616493	0.0346333	0.255937
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-97.686	0.23314	0.0670637	0.115679	-0.0616493	0.0370646	0.24618
-97.678	0.237394	0.0668205	0.115104	-0.0616493	0.0372345	0.245532
-97.6699	0.241648	0.0665781	0.11453	-0.0616493	0.0374048	0.244887
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-97.5731	0.227099	0.0637073	0.107735	-0.0616493	0.0394912	0.237311
-97.4905	0.218225	0.0613367	0.102122	-0.0616493	0.0413163	0.231156
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-96.7436	0.192608	0.0430251	0.0596983	-0.0616493	0.0591879	0.188326
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-95.0272	0.140817	0.0175516	0.0120721	-0.0616494	0.0969596	0.153074
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-94.7451	0.132274	0.0149824	0.00884253	-0.0616494	0.100593	0.150921
-94.448	0.131708	0.0126397	0.00627646	-0.0616494	0.103162	0.148594
-94.442	0.134898	0.0125959	0.00623208	-0.0616494	0.1032	0.148544
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-93.322	0.135831	0.00643333	0.00149126	-0.0616494	0.100067	0.134558
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-91.8439	0.102683	0.00246074	0.000162172	-0.0616494	0.0710332	0.100287
-91.685	0.0946864	0.00220812	0.000124931	-0.0616494	0.0670785	0.0960497
-91.678	0.0984086	0.00219753	0.000123487	-0.0616494	0.0669029	0.0958623
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-91.4168	0.0919957	0.00183495	7.96245e-05	-0.0616494	0.0603476	0.0889122
-91.2509	0.0877215	0.00163419	5.9894e-05	-0.0616494	0.0562087	0.0845601
-91.1823	0.0845223	0.00155734	5.31747e-05	-0.0616494	0.0545142	0.0827851
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-89.9414	0.0705488	0.000630744	5.35589e-06	-0.0616494	0.0275576	0.054909
-89.8889	0.0588418	0.000606295	4.83208e-06	-0.0616494	0.0266315	0.0539602
-89.8084	0.0620236	0.000570481	4.12218e-06	-0.0616494	0.0252488	0.0525446
-89.8003	0.0662775	0.000567025	4.05723e-06	-0.0616494	0.0251138	0.0524063
-89.7479	0.0545705	0.00054489	3.65576e-06	-0.0616494	0.0242415	0.0515139
-89.6673	0.0577522	0.000512478	3.11257e-06	-0.0616494	0.0229419	0.0501849
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-89.5403	0.0460364	0.000465004	2.40977e-06	-0.0616494	0.0209892	0.0481896

-89.4858	0.0353929	0.000445927	2.15739e-06	-0.0616494	0.0201877	0.0473712
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-89.3568	0.0247406	0.00040363	1.65679e-06	-0.0616494	0.0183753	0.0455217
-89.2891	0.0343062	0.000382956	1.44069e-06	-0.0616494	0.0174716	0.0446001
-89.2743	0.0289859	0.000378567	1.39716e-06	-0.0616494	0.0172782	0.0444029
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-89.0012	0.0156575	0.000305659	7.8842e-07	-0.0616494	0.0139877	0.0410509
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-88.7329	0.0129668	0.000247026	4.43805e-07	-0.0616494	0.0112368	0.038253
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-87.7997	0.0203037	0.000115227	5.45753e-08	-0.0616494	0.00480289	0.0317282
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-87.0411	0.0404256	6.04756e-05	8.89406e-09	-0.0616494	0.00217586	0.0290799
-86.8572	0.0457226	5.15511e-05	5.64368e-09	-0.0616494	0.00177145	0.0286747
-86.7867	0.0435869	4.84731e-05	4.73316e-09	-0.0616494	0.00163485	0.0285381
-86.5601	0.045156	3.97212e-05	2.67365e-09	-0.0616494	0.00125659	0.0281611
-86.5531	0.0488782	3.94757e-05	2.62641e-09	-0.0616494	0.00124623	0.0281508
-86.265	0.0435259	3.05563e-05	1.25398e-09	-0.0616494	0.000881235	0.0277897
-86.2589	0.0467164	3.03924e-05	1.23458e-09	-0.0616494	0.000874761	0.0277833
-85.993	0.042785	2.39238e-05	6.15908e-10	-0.0616494	0.000627805	0.0275416
-85.8278	0.0381562	2.05902e-05	3.9739e-10	-0.0616494	0.000508027	0.0274258
-85.6747	0.0402657	1.79007e-05	2.63683e-10	-0.0616494	0.000415952	0.0273378
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-85.2295	0.03915	1.18533e-05	7.81689e-11	-0.0616494	0.000227709	0.0271632
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-85.0735	0.0428547	1.02396e-05	5.06274e-11	-0.0616494	0.000182994	0.0271238
-84.9839	0.0508221	9.41082e-06	3.93825e-11	-0.0616494	0.000161139	0.0271051
-84.9164	0.0470912	8.82891e-06	3.25599e-11	-0.0616494	0.000146286	0.0270926
-84.8268	0.0550586	8.10986e-06	2.52666e-11	-0.0616494	0.00012853	0.0270781
-84.7593	0.0513277	7.60528e-06	2.08513e-11	-0.0616494	0.000116489	0.0270686
-84.6241	0.0571623	6.68341e-06	1.41581e-11	-0.0616494	9.54478e-05	0.0270526
-84.4401	0.0624594	5.59999e-06	8.3207e-12	-0.0616494	7.246e-05	0.0270366
-84.3696	0.0603237	5.23102e-06	6.77608e-12	-0.0616494	6.51034e-05	0.027032
-84.1635	0.0641999	4.28152e-06	3.70004e-12	-0.0616494	4.73994e-05	0.0270225
-83.9829	0.0677245	3.58748e-06	2.16444e-12	-0.0616494	3.5696e-05	0.0270181

-83.8419	0.0634532	3.12192e-06	1.41833e-12	-0.0616494	2.85026e-05	0.0270167
-83.6888	0.0655627	2.68241e-06	8.93032e-13	-0.0616494	2.22473e-05	0.0270167
-83.5468	0.0618231	2.32822e-06	5.79241e-13	-0.0616494	1.76194e-05	0.027018
-83.4792	0.0580922	2.17608e-06	4.70945e-13	-0.0616494	1.57531e-05	0.027019
-83.2825	0.0570054	1.78528e-06	2.5649e-13	-0.0616494	1.13211e-05	0.0270229
-83.1911	0.0527399	1.62768e-06	1.92996e-13	-0.0616494	9.69102e-06	0.0270251
-82.9957	0.0509442	1.33426e-06	1.04528e-13	-0.0616494	6.91882e-06	0.0270307
-82.903	0.0473876	1.21358e-06	7.79664e-14	-0.0616494	5.88444e-06	0.0270337
-82.7063	0.0463009	9.91282e-07	4.16404e-14	-0.0616494	4.15418e-06	0.0270404
-82.6149	0.0420353	9.01933e-07	3.1049e-14	-0.0616494	3.52672e-06	0.0270437
-82.4195	0.0402396	7.36133e-07	1.64929e-14	-0.0616494	2.47367e-06	0.0270512
-82.3268	0.036683	6.68168e-07	1.21891e-14	-0.0616494	2.08625e-06	0.0270548
-82.1294	0.0359508	5.43005e-07	6.36979e-15	-0.0616494	1.44497e-06	0.0270628
-81.8091	0.034495	3.86595e-07	2.19094e-15	-0.0616494	7.85963e-07	0.0270761
-81.5419	0.0312726	2.9028e-07	8.87137e-16	-0.0616494	4.67053e-07	0.0270875
-81.4505	0.0270071	2.63032e-07	6.49462e-16	-0.0616494	3.89928e-07	0.0270915
-81.3155	0.0195453	2.27235e-07	4.08532e-16	-0.0616494	2.97913e-07	0.0270973
-81.2558	0.0248569	2.12953e-07	3.32475e-16	-0.0616494	2.6424e-07	0.0270999
-81.1724	0.0163374	1.94463e-07	2.49144e-16	-0.0616494	2.23302e-07	0.0271035
-81.0899	0.0205826	1.77683e-07	1.86986e-16	-0.0616494	1.88802e-07	0.0271071
-81.0374	0.00887557	1.67754e-07	1.55707e-16	-0.0616494	1.69602e-07	0.0271094
-80.9777	0.0141872	1.57109e-07	1.26357e-16	-0.0616494	1.5004e-07	0.027112
-80.9004	0.00247724	1.44293e-07	9.63252e-17	-0.0616494	1.27916e-07	0.0271154
-80.8407	0.00778884	1.35094e-07	7.80577e-17	-0.0616494	1.13016e-07	0.027118
-80.6828	-0.000739359	1.13425e-07	4.46362e-17	-0.0616494	8.12407e-08	0.027125
-80.6748	0.00351457	1.1242e-07	4.33817e-17	-0.0616494	7.98813e-08	0.0271253
-80.6143	-0.00393852	1.05106e-07	3.4975e-17	-0.0616494	7.03106e-08	0.027128
-80.4129	-0.00254379	8.39294e-08	1.69947e-17	-0.0616494	4.57808e-08	0.0271369
-80.3202	-0.00610036	7.56343e-08	1.21632e-17	-0.0616494	3.74976e-08	0.0271409
-80.0946	-0.00506303	5.86296e-08	5.3556e-18	-0.0616494	2.29395e-08	0.0271509
-80.0261	-0.00826219	5.42446e-08	4.16735e-18	-0.0616494	1.97277e-08	0.0271539
-79.8025	-0.00828834	4.20375e-08	1.82757e-18	-0.0616494	1.19971e-08	0.0271638
-79.7965	-0.00509789	4.17491e-08	1.78728e-18	-0.0616494	1.18364e-08	0.027164
-79.4963	-0.00406928	2.95581e-08	5.82969e-19	-0.0616494	5.99502e-09	0.0271773
-79.4258	-0.00620496	2.72407e-08	4.47036e-19	-0.0616494	5.09896e-09	0.0271804
-79.1962	-0.00304067	2.08542e-08	1.87219e-19	-0.0616494	2.99371e-09	0.0271906
-79.1902	0.000149783	2.07082e-08	1.82976e-19	-0.0616494	2.95191e-09	0.0271908
-78.9176	-0.000236674	1.50386e-08	6.43211e-20	-0.0616494	1.55141e-09	0.0272029
-78.737	0.00328793	1.21475e-08	3.19531e-20	-0.0616494	1.00661e-09	0.0272109
-78.4389	0.00325306	8.51562e-09	9.94429e-21	-0.0616494	4.87363e-10	0.027224
-78.4328	0.00644351	8.45451e-09	9.71131e-21	-0.0616494	4.80214e-10	0.0272243
-78.1992	0.0117348	6.38458e-09	3.84829e-21	-0.0616494	2.69306e-10	0.0272346
-78.1327	0.00747212	5.89174e-09	2.95167e-21	-0.0616494	2.28061e-10	0.0272376
-78.0421	0.0159713	5.27976e-09	2.05429e-21	-0.0616494	1.81658e-10	0.0272416

-77.9746	0.0122404	4.86431e-09	1.56649e-21	-0.0616494	1.53195e-10	0.0272446
-77.8166	0.0170086	4.01217e-09	8.27784e-22	-0.0616494	1.02501e-10	0.0272516
-77.8085	0.0212625	3.97306e-09	8.01335e-22	-0.0616494	1.00423e-10	0.0272519
-77.724	0.0265712	3.58264e-09	5.68627e-22	-0.0616494	8.08613e-11	0.0272557
-77.5629	0.0329347	2.93959e-09	2.94783e-22	-0.0616494	5.33497e-11	0.0272628
-77.5034	0.0249498	2.73179e-09	2.31013e-22	-0.0616495	4.57069e-11	0.0272654
-77.4964	0.028672	2.70824e-09	2.24456e-22	-0.0616495	4.48793e-11	0.0272657
-77.3383	0.0334403	2.22728e-09	1.17073e-22	-0.0616495	2.96734e-11	0.0272727
-77.3313	0.0371625	2.20799e-09	1.13727e-22	-0.0616495	2.91308e-11	0.027273
-77.2487	0.0414077	1.99287e-09	8.08099e-23	-0.0616495	2.34319e-11	0.0272767
-77.0291	0.0392546	1.51533e-09	3.23773e-23	-0.0616495	1.30633e-11	0.0272864
-77.0211	0.0435085	1.50019e-09	3.13086e-23	-0.0616495	1.27857e-11	0.0272868

Table 3. Data from the experimental and approximation plot for MCM-41SD

-135.063	0.0741793	1.79936e-05	1.41338e-53	0.080022	9.10377e-30	0.08004
-135.057	0.07788	1.80817e-05	1.47149e-53	0.0800187	9.2673e-30	0.0800368
-134.764	0.0735683	2.32611e-05	1.17987e-52	0.0798467	2.32675e-29	0.07987
-134.758	0.0778858	2.33923e-05	1.23614e-52	0.0798428	2.37521e-29	0.0798662
-134.472	0.0686398	2.98119e-05	9.22883e-52	0.0796752	5.7861e-29	0.0797051
-134.466	0.0729573	2.99782e-05	9.66499e-52	0.0796714	5.90575e-29	0.0797014
-134.202	0.0659724	3.74174e-05	6.10445e-51	0.0795164	1.33757e-28	0.0795538
-134.11	0.0606288	4.03903e-05	1.15411e-50	0.0794626	1.77468e-28	0.079503
-133.913	0.0585767	4.75366e-05	4.49337e-50	0.0793472	3.24649e-28	0.0793947
-133.745	0.0544682	5.46016e-05	1.43113e-49	0.0792483	5.43474e-28	0.0793029
-133.589	0.0581718	6.19934e-05	4.14488e-49	0.079157	8.72506e-28	0.079219
-133.445	0.054474	6.9688e-05	1.10614e-48	0.0790724	1.35113e-27	0.0791421
-133.29	0.0581776	7.89954e-05	3.17218e-48	0.0789811	2.16132e-27	0.0790601
-132.99	0.0581834	0.00010035	2.38201e-47	0.0788053	5.31681e-27	0.0789056
-132.984	0.0618841	0.0001008	2.47379e-47	0.078802	5.4074e-27	0.0789028
-132.682	0.0637403	0.000127928	1.85638e-46	0.0786244	1.33193e-26	0.0787524
-132.6	0.0680592	0.000136339	3.18474e-46	0.0785766	1.69607e-26	0.0787129
-132.376	0.0680636	0.000162318	1.40052e-45	0.0784447	3.29393e-26	0.078607
-132.076	0.0680694	0.00020426	9.92391e-45	0.0782688	7.9329e-26	0.0784731
-131.774	0.0693087	0.00025661	6.98364e-44	0.0780918	1.90765e-25	0.0783485
-131.703	0.066843	0.00027068	1.1036e-43	0.0780501	2.34406e-25	0.0783208
-131.477	0.068081	0.000320474	4.70646e-43	0.0779171	4.50617e-25	0.0782376
-131.177	0.0680867	0.000399561	3.15e-42	0.0777412	1.06283e-24	0.0781408
-130.881	0.0656254	0.000495282	2.02047e-41	0.0775675	2.46307e-24	0.0780628
-130.581	0.0656312	0.000613727	1.30213e-40	0.0773917	5.72969e-24	0.0780054
-130.278	0.0681041	0.000760149	8.42576e-40	0.0772136	1.33756e-23	0.0779737
-129.978	0.0681099	0.000936093	5.22625e-39	0.0770377	3.06825e-23	0.0779738
-129.679	0.0681157	0.0011492	3.18063e-38	0.0768618	6.9895e-23	0.078011
-129.377	0.0693551	0.00140824	1.92055e-37	0.0766849	1.58927e-22	0.0780931
-129.306	0.0668894	0.00147676	2.92729e-37	0.0766431	1.92721e-22	0.0781199

-129.076	0.0705944	0.00172028	1.13756e-36	0.0765079	3.58833e-22	0.0782282
-129.07	0.0742951	0.00172669	1.17588e-36	0.0765046	3.64323e-22	0.0782313
-128.792	0.0763564	0.00207049	5.95117e-36	0.0763415	7.6666e-22	0.078412
-128.611	0.0804717	0.00232728	1.69737e-35	0.0762352	1.24108e-21	0.0785625
-128.312	0.0804775	0.00281709	9.47144e-35	0.0760594	2.73888e-21	0.0788765
-128.306	0.0841782	0.00282716	9.78152e-35	0.0760561	2.77986e-21	0.0788832
-128.002	0.0866512	0.0034194	5.4683e-34	0.075878	6.15149e-21	0.0792974
-127.703	0.0866569	0.00411315	2.93571e-33	0.0757021	1.3385e-20	0.0798153
-127.697	0.0903577	0.00412737	3.02962e-33	0.0756988	1.35817e-20	0.0798262
-127.398	0.0903635	0.00494913	1.59527e-32	0.0755229	2.93436e-20	0.0804721
-127.098	0.0903693	0.0059162	8.2418e-32	0.075347	6.29586e-20	0.0812632
-126.802	0.0879079	0.00703501	4.09398e-31	0.0751734	1.32882e-19	0.0822084
-126.502	0.0879137	0.00835814	2.03667e-30	0.0749975	2.81194e-19	0.0833557
-126.203	0.0879195	0.00989947	9.9411e-30	0.0748216	5.90913e-19	0.0847211
-125.903	0.0879253	0.0116889	4.76091e-29	0.0746458	1.23316e-18	0.0863346
-125.602	0.0891646	0.013773	2.25882e-28	0.0744688	2.5673e-18	0.0882418
-125.3	0.090404	0.0161781	1.05126e-27	0.0742918	5.3073e-18	0.0904699
-125.294	0.0941047	0.0162265	1.08177e-27	0.0742885	5.37961e-18	0.090515
-124.991	0.0965777	0.0190178	4.98351e-27	0.0741104	1.1091e-17	0.0931282
-124.92	0.094112	0.01973	7.11002e-27	0.0740687	1.31282e-17	0.0937986
-124.688	0.0984338	0.0222082	2.24103e-26	0.0739329	2.26535e-17	0.0961411
-124.385	0.100907	0.0258643	9.92971e-26	0.0737548	4.6044e-17	0.0996191
-124.083	0.102763	0.0300133	4.29529e-25	0.0735773	9.27199e-17	0.103591
-123.779	0.105236	0.0347338	1.83051e-24	0.0733992	1.85792e-16	0.108133
-123.474	0.108942	0.0401047	7.71811e-24	0.07322	3.71216e-16	0.113325
-123.403	0.106477	0.0414522	1.07626e-23	0.0731783	4.35743e-16	0.11463
-123.173	0.109565	0.046059	3.12206e-23	0.0730436	7.2867e-16	0.119103
-123.019	0.112652	0.0493964	6.35658e-23	0.0729529	1.02784e-15	0.122349
-122.86	0.118823	0.0530429	1.31556e-22	0.0728594	1.46228e-15	0.125902
-122.714	0.115741	0.0565571	2.54074e-22	0.0727743	2.01289e-15	0.129331
-122.625	0.124995	0.0588062	3.79637e-22	0.072722	2.4469e-15	0.131528
-122.557	0.120679	0.0605815	5.16086e-22	0.0726819	2.84125e-15	0.133263
-122.468	0.129932	0.0629602	7.6885e-22	0.0726296	3.45011e-15	0.13559
-122.4	0.125616	0.0648369	1.04281e-21	0.0725895	4.00282e-15	0.137426
-122.265	0.132403	0.0686846	1.90053e-21	0.0725102	5.36544e-15	0.141195
-122.081	0.137957	0.0741925	4.26101e-21	0.0724026	7.96325e-15	0.146595
-122	0.142276	0.0767532	6.0877e-21	0.0723548	9.48394e-15	0.149108
-121.915	0.148446	0.0794766	8.79261e-21	0.0723053	1.13575e-14	0.151782
-121.844	0.14598	0.0818338	1.19764e-20	0.0722635	1.32177e-14	0.154097
-121.824	0.159549	0.0825302	1.31007e-20	0.0722514	1.38131e-14	0.154782
-121.756	0.154616	0.084829	1.75325e-20	0.0722118	1.59396e-14	0.157041
-121.62	0.16202	0.0896282	3.14964e-20	0.0721319	2.12643e-14	0.16176
-121.459	0.169425	0.0955808	6.26814e-20	0.0720374	2.98525e-14	0.167618
-121.365	0.165726	0.0992028	9.35067e-20	0.0719821	3.63703e-14	0.171185

-121.344	0.179295	0.100013	1.0207e-19	0.0719699	3.79796e-14	0.171983
-121.277	0.174362	0.102684	1.35667e-19	0.0719304	4.37167e-14	0.174615
-121.133	0.1867	0.108564	2.4807e-19	0.071846	5.89399e-14	0.18041
-121.117	0.180533	0.109216	2.64755e-19	0.0718369	6.08724e-14	0.181053
-120.972	0.194105	0.115462	4.85548e-19	0.0717515	8.22428e-14	0.187214
-120.878	0.190406	0.119648	7.17322e-19	0.0716962	9.98436e-14	0.191345
-120.803	0.206443	0.123034	9.74904e-19	0.0716525	1.16309e-13	0.194687
-120.788	0.200276	0.123751	1.03935e-18	0.0716434	1.20075e-13	0.195395
-120.716	0.19781	0.12707	1.39184e-18	0.0716016	1.38875e-13	0.198672
-120.642	0.213848	0.130612	1.88683e-18	0.0715579	1.61627e-13	0.20217
-120.548	0.210149	0.135203	2.76922e-18	0.0715026	1.95745e-13	0.206706
-120.527	0.223718	0.136228	3.012e-18	0.0714905	2.04139e-13	0.207718
-120.46	0.218785	0.139602	3.95704e-18	0.0714509	2.33976e-13	0.211052
-120.37	0.228655	0.144202	5.68799e-18	0.0713981	2.80567e-13	0.2156
-120.301	0.224339	0.147769	7.48404e-18	0.071358	3.21919e-13	0.219127
-120.205	0.238527	0.152919	1.1011e-17	0.0713013	3.90717e-13	0.224221
-120.144	0.229277	0.156228	1.40273e-17	0.0712656	4.41229e-13	0.227494
-120.137	0.233594	0.15659	1.43994e-17	0.0712618	4.47072e-13	0.227851
-120.04	0.248398	0.162012	2.11933e-17	0.0712046	5.42968e-13	0.233216
-119.979	0.239148	0.16546	2.69414e-17	0.0711689	6.12686e-13	0.236629
-119.973	0.243466	0.165837	2.76499e-17	0.071165	6.20748e-13	0.237002
-119.875	0.25827	0.171485	4.05571e-17	0.0711078	7.52959e-13	0.242592
-119.836	0.250869	0.17376	4.71818e-17	0.0710851	8.12686e-13	0.244845
-119.668	0.263208	0.183939	9.09689e-17	0.0709861	1.13239e-12	0.254925
-119.652	0.257041	0.184899	9.66199e-17	0.070977	1.16746e-12	0.255876
-119.507	0.270612	0.194043	1.69371e-16	0.0708916	1.55147e-12	0.264934
-119.412	0.266914	0.200124	2.43008e-16	0.0708362	1.86347e-12	0.27096
-119.346	0.278017	0.204518	3.13615e-16	0.070797	2.12138e-12	0.275315
-119.223	0.292822	0.21273	4.99088e-16	0.0707251	2.68731e-12	0.283455
-119.163	0.282954	0.216822	6.25591e-16	0.07069	3.01526e-12	0.287512
-119.156	0.287889	0.21734	6.43589e-16	0.0706856	3.05919e-12	0.288026
-119.058	0.302693	0.224126	9.28232e-16	0.0706283	3.68794e-12	0.294755
-118.997	0.293443	0.228427	1.16517e-15	0.0705926	4.14228e-12	0.299019
-118.991	0.29776	0.228896	1.19417e-15	0.0705888	4.19468e-12	0.299485
-118.886	0.317499	0.23646	1.76509e-15	0.0705271	5.12329e-12	0.306987
-118.833	0.303314	0.240356	2.15004e-15	0.0704959	5.66832e-12	0.310852
-118.826	0.307632	0.24084	2.20305e-15	0.070492	5.73954e-12	0.311332
-118.818	0.312566	0.241395	2.26521e-15	0.0704876	5.82202e-12	0.311883
-118.675	0.324904	0.252134	3.84345e-15	0.0704033	7.63757e-12	0.322537
-118.659	0.318737	0.253314	4.06887e-15	0.0703941	7.86466e-12	0.323708
-118.552	0.339709	0.261517	6.01098e-15	0.0703314	9.61367e-12	0.331848
-118.545	0.344643	0.262101	6.17789e-15	0.070327	9.75026e-12	0.332428
-118.492	0.329842	0.266179	7.47078e-15	0.0702963	1.07534e-11	0.336475
-118.485	0.334776	0.266769	7.6775e-15	0.0702918	1.09058e-11	0.337061
-118.334	0.352049	0.278783	1.32487e-14	0.0702031	1.44545e-11	0.348986

-118.326	0.340947	0.27943	1.36364e-14	0.0701984	1.46716e-11	0.349628
-118.318	0.345881	0.280037	1.401e-14	0.070194	1.48781e-11	0.350231
-118.149	0.35822	0.293839	2.5586e-14	0.070095	2.03239e-11	0.363934
-118.142	0.363154	0.294464	2.62796e-14	0.0700906	2.06079e-11	0.364555
-118.134	0.368088	0.29509	2.69917e-14	0.0700861	2.08957e-11	0.365176
-118.127	0.373023	0.295717	2.77227e-14	0.0700817	2.11874e-11	0.365798
-118.078	0.355754	0.299776	3.29281e-14	0.0700532	2.31669e-11	0.369829
-117.966	0.380427	0.309304	4.89717e-14	0.0699872	2.84757e-11	0.379292
-117.958	0.385361	0.309948	5.02845e-14	0.0699827	2.88704e-11	0.37993
-117.874	0.391531	0.317201	6.75698e-14	0.0699332	3.3673e-11	0.387135
-117.791	0.397083	0.324463	9.0364e-14	0.0698843	3.91859e-11	0.394347
-117.784	0.401401	0.32504	9.24575e-14	0.0698804	3.96572e-11	0.394921
-117.625	0.423607	0.339116	1.60105e-13	0.0697873	5.28438e-11	0.408903
-117.625	0.407571	0.339161	1.60382e-13	0.069787	5.28916e-11	0.408948
-117.617	0.412506	0.339836	1.64592e-13	0.0697826	5.36141e-11	0.409618
-117.61	0.41744	0.340512	1.6891e-13	0.0697781	5.43462e-11	0.41029
-117.495	0.443346	0.350869	2.5002e-13	0.069711	6.67522e-11	0.42058
-117.457	0.435946	0.354401	2.85248e-13	0.0696883	7.15358e-11	0.424089
-117.441	0.429779	0.355828	3.00768e-13	0.0696792	7.35547e-11	0.425507
-117.273	0.458153	0.371422	5.31443e-13	0.0695805	9.92448e-11	0.441003
-117.272	0.442117	0.371469	5.32342e-13	0.0695802	9.93333e-11	0.44105
-117.265	0.447052	0.372175	5.46008e-13	0.0695758	1.00669e-10	0.441751
-117.257	0.451986	0.372881	5.60019e-13	0.0695713	1.02023e-10	0.442453
-117.15	0.472958	0.382974	8.01471e-13	0.0695086	1.23273e-10	0.452483
-117.09	0.463708	0.388767	9.81638e-13	0.0694729	1.37221e-10	0.45824
-117.083	0.468025	0.389397	1.0034e-12	0.069469	1.38822e-10	0.458866
-116.924	0.490232	0.404706	1.69708e-12	0.0693759	1.83395e-10	0.474082
-116.924	0.474196	0.404755	1.69989e-12	0.0693756	1.83556e-10	0.47413
-116.916	0.47913	0.405487	1.74256e-12	0.0693712	1.85987e-10	0.474858
-116.909	0.484065	0.40622	1.78628e-12	0.0693667	1.8845e-10	0.475586
-116.742	0.49517	0.422581	3.08313e-12	0.0692689	2.51909e-10	0.49185
-116.734	0.500104	0.423326	3.1596e-12	0.0692644	2.55218e-10	0.49259
-116.727	0.505038	0.424071	3.23794e-12	0.06926	2.5857e-10	0.493331
-116.622	0.524777	0.434512	4.55091e-12	0.0691984	3.10049e-10	0.50371
-116.57	0.509975	0.439747	5.38728e-12	0.0691677	3.39293e-10	0.508915
-116.562	0.51491	0.440502	5.51939e-12	0.0691632	3.43716e-10	0.509665
-116.554	0.519844	0.441258	5.65468e-12	0.0691588	3.48196e-10	0.510416
-116.403	0.537116	0.456518	9.17305e-12	0.0690701	4.51178e-10	0.525588
-116.395	0.526015	0.457333	9.41053e-12	0.0690654	4.57407e-10	0.526399
-116.388	0.530949	0.458098	9.63863e-12	0.0690609	4.63323e-10	0.527159
-116.324	0.523549	0.464573	1.1795e-11	0.0690236	5.16374e-10	0.533597
-116.227	0.554389	0.474495	1.60201e-11	0.0689667	6.08815e-10	0.543461
-116.219	0.543288	0.475319	1.64299e-11	0.068962	6.17153e-10	0.544281
-116.212	0.548222	0.476091	1.68234e-11	0.0689575	6.2507e-10	0.545049

-116.148	0.540822	0.482635	2.05384e-11	0.0689202	6.96038e-10	0.551555
-116.105	0.569194	0.4871	2.35135e-11	0.0688948	7.48749e-10	0.555995
-116.045	0.559327	0.493289	2.8331e-11	0.0688597	8.28067e-10	0.562148
-116.037	0.564261	0.494069	2.90015e-11	0.0688553	8.38605e-10	0.562924
-115.886	0.581534	0.509781	4.62735e-11	0.0687665	1.08007e-09	0.578548
-115.878	0.570432	0.510618	4.74298e-11	0.0687618	1.09463e-09	0.57938
-115.87	0.575366	0.511403	4.85393e-11	0.0687574	1.10845e-09	0.580161
-115.703	0.587088	0.528938	8.09935e-11	0.0686589	1.46425e-09	0.597597
-115.696	0.591406	0.529629	8.26289e-11	0.0686551	1.48028e-09	0.598284
-115.689	0.59634	0.530418	8.45374e-11	0.0686507	1.49882e-09	0.599068
-115.681	0.601274	0.531207	8.6489e-11	0.0686462	1.51758e-09	0.599853
-115.53	0.618547	0.547086	1.36433e-10	0.0685575	1.9464e-09	0.615643
-115.522	0.607445	0.54793	1.39758e-10	0.0685528	1.9722e-09	0.616483
-115.514	0.612379	0.548722	1.42946e-10	0.0685484	1.99669e-09	0.61727
-115.451	0.604979	0.555414	1.72879e-10	0.068511	2.21577e-09	0.623925
-115.361	0.630885	0.564831	2.25545e-10	0.0684585	2.56375e-09	0.63329
-115.346	0.624718	0.566469	2.36181e-10	0.0684494	2.62946e-09	0.634919
-115.224	0.655559	0.579308	3.3832e-10	0.0683778	3.2043e-09	0.647686
-115.179	0.635823	0.584021	3.85754e-10	0.0683515	3.44466e-09	0.652372
-115.171	0.640757	0.584813	3.94339e-10	0.0683471	3.48673e-09	0.65316
-115.164	0.645692	0.585605	4.0311e-10	0.0683427	3.52931e-09	0.653947
-115.156	0.650626	0.586396	4.12071e-10	0.0683382	3.57239e-09	0.654735
-115.051	0.670365	0.597432	5.5928e-10	0.0682766	4.22922e-09	0.665708
-114.998	0.65618	0.60302	6.5241e-10	0.0682453	4.6057e-09	0.671266
-114.992	0.660497	0.603711	6.64929e-10	0.0682415	4.65446e-09	0.671952
-114.984	0.665432	0.6045	6.79524e-10	0.068237	4.7108e-09	0.672737
-114.871	0.690105	0.616279	9.38745e-10	0.068171	5.63617e-09	0.68445
-114.826	0.670986	0.621053	1.06965e-09	0.0681441	6.06057e-09	0.689197
-114.819	0.675303	0.62174	1.08992e-09	0.0681403	6.1242e-09	0.689881
-114.812	0.680238	0.622525	1.11353e-09	0.0681359	6.1977e-09	0.690661
-114.804	0.685172	0.62331	1.13765e-09	0.0681314	6.27206e-09	0.691441
-114.645	0.691343	0.639848	1.78474e-09	0.068038	8.06332e-09	0.707886
-114.637	0.696277	0.640627	1.82291e-09	0.0680336	8.15927e-09	0.70866
-114.63	0.701211	0.641405	1.86187e-09	0.0680291	8.25632e-09	0.709435
-114.622	0.706145	0.642184	1.90163e-09	0.0680247	8.3545e-09	0.710208
-114.463	0.712316	0.658566	2.96505e-09	0.0679313	1.07164e-08	0.726497
-114.455	0.717251	0.659336	3.02758e-09	0.0679268	1.08428e-08	0.727263
-114.448	0.722185	0.660106	3.09138e-09	0.0679224	1.09706e-08	0.728029
-114.343	0.741923	0.670808	4.13015e-09	0.0678608	1.29131e-08	0.738669
-114.291	0.727122	0.676109	4.76726e-09	0.0678301	1.40012e-08	0.743939
-114.283	0.732056	0.67687	4.86645e-09	0.0678256	1.41649e-08	0.744695
-114.276	0.736991	0.67763	4.96765e-09	0.0678212	1.43304e-08	0.745451
-114.117	0.742545	0.693503	7.63614e-09	0.0677283	1.8277e-08	0.761231
-114.111	0.746862	0.694158	7.77311e-09	0.0677245	1.84622e-08	0.761883
-114.103	0.751796	0.694907	7.93257e-09	0.06772	1.86761e-08	0.762627

-114.096	0.756731	0.695655	8.09521e-09	0.0677156	1.88923e-08	0.763371
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-113.929	0.767836	0.71208	1.26508e-08	0.0676177	2.4353e-08	0.779697
-113.921	0.77277	0.712814	1.29066e-08	0.0676133	2.46325e-08	0.780427
-113.837	0.778939	0.720996	1.61368e-08	0.0675638	2.79825e-08	0.78856
-113.829	0.783874	0.721723	1.64607e-08	0.0675594	2.83021e-08	0.789282
-113.745	0.790043	0.729812	2.05467e-08	0.0675099	3.21319e-08	0.797322
-113.661	0.796212	0.737812	2.56084e-08	0.0674604	3.64599e-08	0.805272
-113.653	0.801147	0.738521	2.6115e-08	0.067456	3.68726e-08	0.805978
-113.577	0.818418	0.74567	3.18277e-08	0.0674112	4.13171e-08	0.813081
-113.569	0.807316	0.746417	3.24951e-08	0.0674065	4.18139e-08	0.813824
-113.561	0.81225	0.747118	3.3133e-08	0.0674021	4.2285e-08	0.81452
-113.498	0.80485	0.753002	3.90305e-08	0.0673648	4.64749e-08	0.820367
-113.408	0.830756	0.761176	4.90708e-08	0.0673122	5.3051e-08	0.828488
-113.393	0.824589	0.762585	5.1055e-08	0.0673031	5.42827e-08	0.829888
-113.278	0.850495	0.772832	6.8229e-08	0.0672359	6.42281e-08	0.840068
-113.226	0.835694	0.777446	7.78301e-08	0.0672052	6.93403e-08	0.844651
-113.218	0.840628	0.778106	7.93147e-08	0.0672008	7.01074e-08	0.845307
-113.211	0.845562	0.778765	8.08267e-08	0.0671964	7.08826e-08	0.845962
-113.067	0.857901	0.791156	1.15628e-07	0.0671121	8.73616e-08	0.858268
-113.052	0.851733	0.792476	1.20168e-07	0.0671029	8.93532e-08	0.859579
-112.937	0.87764	0.802046	1.59268e-07	0.0670358	1.05405e-07	0.869082
-112.899	0.870239	0.805222	1.75055e-07	0.0670131	1.11428e-07	0.872235
-112.883	0.864072	0.806492	1.81828e-07	0.067004	1.13945e-07	0.873496
-112.722	0.887512	0.819325	2.68246e-07	0.0669097	1.43338e-07	0.886235
-112.714	0.87641	0.819953	2.73473e-07	0.066905	1.44984e-07	0.886858
-112.707	0.881345	0.82054	2.78462e-07	0.0669006	1.46545e-07	0.887441
-112.592	0.907251	0.829321	3.65996e-07	0.0668334	1.72343e-07	0.896155
-112.554	0.899851	0.832223	4.0114e-07	0.0668107	1.82002e-07	0.899035
-112.538	0.893683	0.833382	4.16186e-07	0.0668016	1.86036e-07	0.900185
-112.467	0.891218	0.838614	4.92186e-07	0.0667598	2.05602e-07	0.905375
-112.424	0.91959	0.841741	5.44782e-07	0.0667344	2.1846e-07	0.908477
-112.371	0.905405	0.845531	6.16937e-07	0.0667031	2.35341e-07	0.912235
-112.364	0.909723	0.845995	6.26475e-07	0.0666993	2.37514e-07	0.912695
-112.356	0.914657	0.846524	6.37548e-07	0.0666949	2.40021e-07	0.91322
-112.199	0.919594	0.857276	9.16974e-07	0.0666025	2.98616e-07	0.92388
-112.192	0.924529	0.857776	9.32937e-07	0.0665981	3.01738e-07	0.924375
-112.184	0.929463	0.858274	9.49166e-07	0.0665937	3.04892e-07	0.924869
-112.086	0.944267	0.864599	1.18541e-06	0.0665364	3.48705e-07	0.931137
-112.027	0.9344	0.868364	1.35735e-06	0.0665013	3.78527e-07	0.934867
-112.019	0.939334	0.868831	1.3806e-06	0.0664969	3.82447e-07	0.93533
-111.868	0.956607	0.877904	1.93684e-06	0.0664081	4.69924e-07	0.944315
-111.86	0.945505	0.878369	1.97172e-06	0.0664034	4.7507e-07	0.944775
-111.852	0.950439	0.878804	2.00496e-06	0.066399	4.79943e-07	0.945205

-111.789	0.943039	0.882416	2.30806e-06	0.0663617	5.23077e-07	0.94878
-111.707	0.964011	0.886907	2.76342e-06	0.0663136	5.84121e-07	0.953224
-111.613	0.960312	0.891847	3.39328e-06	0.0662583	6.62759e-07	0.958109
-111.524	0.968949	0.896241	4.10427e-06	0.0662066	7.45349e-07	0.962452
-111.517	0.973883	0.896606	4.17123e-06	0.0662021	7.52847e-07	0.962813
-111.509	0.978817	0.89697	4.23923e-06	0.0661977	7.60417e-07	0.963173
-111.352	0.983755	0.904204	5.92751e-06	0.0661054	9.36337e-07	0.970316
-111.262	0.993625	0.908019	7.16292e-06	0.0660526	1.05374e-06	0.974079
-111.195	0.988692	0.91072	8.24479e-06	0.066013	1.15074e-06	0.976742
-111.105	0.998562	0.914116	9.93334e-06	0.0659602	1.29362e-06	0.980088
-111.036	0.994246	0.916533	1.143e-05	0.0659201	1.41326e-06	0.982466
-110.878	0.9998	0.921589	1.57619e-05	0.0658272	1.73229e-06	0.987433
-110.871	1.00473	0.92181	1.60025e-05	0.0658228	1.74906e-06	0.987651
-110.57	1.00536	0.929207	2.90172e-05	0.0656464	2.56019e-06	0.994885
-110.563	1.00967	0.929337	2.93918e-05	0.0656425	2.58146e-06	0.995012
-110.29	1.00886	0.933535	4.96534e-05	0.065482	3.62809e-06	0.99907
-109.972	1.00475	0.935407	8.96234e-05	0.0652952	5.35313e-06	1.0008
-109.68	0.999823	0.934255	0.000151204	0.0651237	7.59665e-06	0.999538
-109.674	1.00352	0.934206	0.000152714	0.0651204	7.64772e-06	0.999487
-109.406	0.999006	0.930698	0.000242693	0.0649632	1.04787e-05	0.995914
-109.312	0.994896	0.928934	0.000284335	0.0649083	1.16829e-05	0.994138
-109.115	0.993666	0.924297	0.000394964	0.0647922	1.46707e-05	0.989499
-109.028	0.985033	0.921881	0.000454948	0.0647413	1.61947e-05	0.987093
-109.022	0.988734	0.921715	0.000459131	0.0647379	1.62989e-05	0.986928
-108.826	0.98627	0.915369	0.000628191	0.0646229	2.03334e-05	0.98064
-108.734	0.981338	0.911976	0.000726142	0.0645687	2.25436e-05	0.977293
-108.538	0.978875	0.903936	0.000981697	0.0644537	2.8001e-05	0.969399
-108.453	0.969008	0.900109	0.00111572	0.0644039	3.0727e-05	0.96566
-108.371	0.973944	0.896193	0.00126165	0.0643555	3.36125e-05	0.961844
-108.257	0.966545	0.890485	0.00149091	0.0642888	3.80032e-05	0.956303
-108.178	0.952977	0.886294	0.00167226	0.0642424	4.13753e-05	0.95225
-108.097	0.95668	0.881855	0.00187688	0.0641951	4.50908e-05	0.947972
-108.09	0.961614	0.881431	0.00189711	0.0641907	4.54535e-05	0.947564
-108.037	0.946812	0.878443	0.00204314	0.06416	4.80502e-05	0.944695
-107.955	0.951748	0.87359	0.00229367	0.0641116	5.24231e-05	0.940048
-107.841	0.944349	0.866617	0.00268348	0.0640449	5.90548e-05	0.933404
-107.826	0.938182	0.865636	0.00274124	0.0640358	6.00219e-05	0.932473
-107.77	0.925848	0.862049	0.00295869	0.0640029	6.36315e-05	0.929074
-107.689	0.92955	0.856761	0.00329767	0.0639556	6.91694e-05	0.924083
-107.682	0.934484	0.856258	0.00333104	0.0639512	6.97091e-05	0.92361
-107.629	0.919683	0.852729	0.00357127	0.0639205	7.35698e-05	0.920294
-107.547	0.924618	0.847036	0.0039807	0.0638721	8.00563e-05	0.914969
-107.5	0.906116	0.843742	0.00423031	0.0638447	8.39599e-05	0.911901
-107.433	0.917219	0.838935	0.00461175	0.0638054	8.98606e-05	0.907442
-107.418	0.911052	0.837802	0.00470468	0.0637963	9.12872e-05	0.906395

-107.371	0.89255	0.834371	0.0049933	0.0637689	9.56938e-05	0.903229
-107.289	0.897485	0.828194	0.00554073	0.0637205	0.000103959	0.897559
-107.281	0.90242	0.827622	0.00559322	0.0637161	0.000104746	0.897036
-107.274	0.907354	0.827049	0.00564614	0.0637117	0.000105538	0.896513
-107.175	0.890086	0.819445	0.00637935	0.0636538	0.000116426	0.889595
-107.16	0.883919	0.818225	0.00650235	0.0636447	0.000118238	0.888491
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-107.015	0.880221	0.806689	0.00774225	0.0635601	0.000136303	0.878127
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-106.362	0.817323	0.749681	0.0161539	0.0631768	0.000254371	0.829266
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-106.218	0.813626	0.736191	0.0187716	0.0630921	0.000290636	0.818345
-106.171	0.795123	0.731764	0.0196883	0.0630647	0.000303346	0.81482
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-106.039	0.784024	0.71901	0.0224936	0.0629867	0.000342341	0.804832
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-105.821	0.779094	0.697725	0.027741	0.0628593	0.000415936	0.788741
-105.814	0.784029	0.696979	0.0279383	0.0628548	0.000418725	0.788191
-105.767	0.765526	0.692337	0.0291858	0.0628274	0.000436399	0.784787
-105.708	0.771695	0.686405	0.0308321	0.0627926	0.000459841	0.78049
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-105.569	0.764297	0.67244	0.0349436	0.0627113	0.000519022	0.770614
-105.554	0.758129	0.670862	0.0354294	0.0627022	0.000526079	0.76952
-105.438	0.751964	0.659095	0.0391881	0.0626344	0.000581182	0.761499
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-105.271	0.747033	0.641888	0.0451261	0.0625362	0.00067019	0.750221
-105.209	0.738399	0.635497	0.0474671	0.0625	0.000705996	0.74617
-105.129	0.742102	0.627129	0.050644	0.0624527	0.000755275	0.740981
-105.069	0.732234	0.620893	0.053094	0.0624176	0.000793844	0.737198
-104.986	0.73717	0.612281	0.0565934	0.0623692	0.000849827	0.732094
-104.873	0.729771	0.600384	0.061649	0.0623025	0.000932659	0.725269
-104.859	0.72237	0.598949	0.0622762	0.0622945	0.000943102	0.724463

-104.706	0.72484	0.58281	0.0695826	0.0622044	0.00106765	0.715664
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-104.425	0.71251	0.553252	0.0841359	0.0620395	0.00133313	0.700761
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-104.228	0.694011	0.532605	0.0951441	0.0619242	0.0015516	0.691225
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-104.03	0.693192	0.511838	0.106837	0.0618077	0.00180319	0.682286
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-103.582	0.67552	0.465626	0.134555	0.0615451	0.00250201	0.664228
-103.575	0.680455	0.464857	0.135029	0.0615407	0.0025155	0.663943
-103.515	0.670588	0.458764	0.1388	0.0615055	0.00262498	0.661694
-103.447	0.666271	0.451837	0.143101	0.0614654	0.00275485	0.659158
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-103.053	0.645926	0.412644	0.16734	0.0612345	0.00361254	0.64483
-102.968	0.636059	0.404367	0.172339	0.0611847	0.00382392	0.641715
-102.886	0.640995	0.396388	0.177083	0.0611363	0.00403904	0.638646
-102.772	0.634007	0.385447	0.183433	0.0610693	0.00435336	0.634303
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-102.605	0.628665	0.369723	0.192155	0.0609715	0.00484767	0.627697
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-102.324	0.616335	0.343916	0.205057	0.0608067	0.00578275	0.615562
-102.211	0.608936	0.333741	0.209521	0.06074	0.00619951	0.610201
-102.131	0.595369	0.32674	0.212347	0.0606936	0.00650389	0.606284
-102.051	0.599071	0.319696	0.214968	0.0606463	0.00682552	0.602137
-102.043	0.604005	0.319042	0.2152	0.0606419	0.0068562	0.60174
-101.991	0.589204	0.314516	0.216744	0.0606111	0.00707244	0.598944
-101.909	0.594139	0.307456	0.218942	0.0605628	0.00742385	0.594385
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-101.635	0.576875	0.284689	0.224069	0.0604023	0.00868579	0.577846
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-93.8535	0.129251	0.0108229	0.000567245	0.055835	0.0669699	0.134195
-93.655	0.128433	0.00968892	0.000411789	0.0557185	0.0663535	0.132173
-93.5614	0.124323	0.00919187	0.000353042	0.0556635	0.0659949	0.131203
-93.3629	0.123504	0.00821237	0.00025316	0.055547	0.0650945	0.129107
-93.0389	0.123099	0.00681295	0.000144506	0.0553569	0.0632352	0.12555
-92.9696	0.1194	0.00654313	0.000127812	0.0553162	0.0627784	0.124766
-92.743	0.120638	0.00572623	8.49305e-05	0.0551832	0.0611478	0.122142
-92.4433	0.120644	0.00478749	4.86518e-05	0.0550073	0.058697	0.11854
-92.1493	0.116949	0.00400413	2.76482e-05	0.0548348	0.056008	0.114875
-92.1437	0.12065	0.00399029	2.73448e-05	0.0548314	0.0559539	0.114803
-91.8759	0.116132	0.00338204	1.60797e-05	0.0546743	0.0532967	0.111369
-91.7823	0.112022	0.0031902	1.3308e-05	0.0546193	0.0523293	0.110152
-91.5838	0.111203	0.0028158	8.85518e-06	0.0545028	0.0502225	0.10755
-91.2879	0.108742	0.00233183	4.75089e-06	0.0543292	0.0469719	0.103638
-91.1943	0.104632	0.0021954	3.88638e-06	0.0542742	0.045923	0.102397
-90.9677	0.10587	0.00189487	2.37154e-06	0.0541412	0.0433579	0.0993963
-90.6718	0.103409	0.00155937	1.22417e-06	0.0539676	0.039983	0.0955111
-90.3778	0.0997137	0.00128104	6.2302e-07	0.053795	0.0366429	0.0917195
-90.1119	0.0939623	0.00106961	3.32936e-07	0.0536389	0.0336683	0.0883772
-90.0202	0.0886188	0.00100451	2.67282e-07	0.0535851	0.0326577	0.0872476
-89.8204	0.0886227	0.000875245	1.64644e-07	0.0534679	0.0304917	0.084835
-89.6531	0.0836917	0.000779075	1.09027e-07	0.0533697	0.0287206	0.0828695
-89.5858	0.0787589	0.000743184	9.21916e-08	0.0533301	0.0280194	0.0820928
-89.386	0.0787628	0.000645616	5.57553e-08	0.0532129	0.0259857	0.0798443
-89.2936	0.0738304	0.000604665	4.4063e-08	0.0531587	0.0250699	0.0788333
-89.0976	0.0713671	0.000525647	2.65798e-08	0.0530436	0.023181	0.0767503
-89.0034	0.0676683	0.000491188	2.0785e-08	0.0529883	0.0223005	0.0757801
-88.8049	0.0668498	0.000425385	1.23053e-08	0.0528718	0.0205075	0.0738047
-88.4809	0.0664449	0.000335403	5.13747e-09	0.0526817	0.0177686	0.0707856
-88.185	0.0639835	0.000269113	2.26924e-09	0.052508	0.0154778	0.0682549

-87.8854	0.0639893	0.00021466	9.73392e-10	0.0523321	0.013366	0.0659128
-87.5895	0.061528	0.000171192	4.142e-10	0.0521585	0.011485	0.0638146
-87.318	0.0594773	0.000138724	1.86027e-10	0.0519991	0.00993314	0.0620709
-86.994	0.0590724	0.00010758	7.01324e-11	0.0518089	0.00829126	0.0602078
-86.9247	0.0553731	0.000101841	5.67666e-11	0.0517683	0.0079687	0.0598388
-86.7262	0.0545546	8.69533e-05	3.07951e-11	0.0516518	0.00709748	0.0588362
-86.4303	0.0520932	6.85315e-05	1.21858e-11	0.0514781	0.00593876	0.0574854
-86.1063	0.0516883	5.26224e-05	4.3226e-12	0.0512879	0.00484792	0.0561885
-85.8067	0.0516941	4.10841e-05	1.62502e-12	0.0511121	0.00398929	0.0551424
-85.507	0.0516999	3.19767e-05	5.99398e-13	0.0509362	0.00325998	0.0542281
-85.2055	0.0529393	2.47717e-05	2.15533e-13	0.0507592	0.00264201	0.053426
-85.1343	0.0504736	2.33128e-05	1.68843e-13	0.0507175	0.0025116	0.0532524
-84.9021	0.0554122	1.90991e-05	7.5526e-14	0.0505811	0.00212323	0.0527235
-84.8309	0.0529465	1.79609e-05	5.88952e-14	0.0505394	0.00201505	0.0525724
-84.5987	0.0578851	1.46789e-05	2.59545e-14	0.0504031	0.00169419	0.0521119
-84.5275	0.0554194	1.37939e-05	2.0147e-14	0.0503613	0.00160519	0.0519803
-84.3028	0.0554238	1.1321e-05	8.98843e-15	0.0502294	0.00135014	0.0515908
-84.2971	0.0591245	1.12647e-05	8.80678e-15	0.0502261	0.00134421	0.0515816
-84.0256	0.0570739	8.85148e-06	3.27303e-15	0.0500667	0.00108481	0.0511604
-83.7297	0.0546125	6.78691e-06	1.09352e-15	0.049893	0.000853227	0.0507531
-83.4057	0.0542076	5.05672e-06	3.2228e-16	0.0497029	0.000650867	0.0503588
-83.1061	0.0542134	3.83947e-06	1.02074e-16	0.049527	0.000503049	0.0500339
-82.8102	0.051752	2.91648e-06	3.21931e-17	0.0493533	0.00038741	0.0497437
-82.5143	0.0492907	2.2087e-06	9.96688e-18	0.0491797	0.000296337	0.0494782
-82.2156	0.0486797	1.66317e-06	2.99453e-18	0.0490044	0.000224545	0.0492306
-81.9197	0.0462183	1.25194e-06	8.93188e-19	0.0488307	0.000169434	0.0490014
-81.6229	0.0443738	9.38695e-07	2.60492e-19	0.0486565	0.000126867	0.0487843
-81.327	0.0419124	7.02344e-07	7.48648e-20	0.0484828	9.44383e-05	0.048578
-81.0555	0.0398617	5.36769e-07	2.34545e-20	0.0483234	7.15982e-05	0.0483956
-80.7352	0.0369897	3.89649e-07	5.84906e-21	0.0481355	5.12754e-05	0.0481872
-80.4365	0.0363787	2.88089e-07	1.57027e-21	0.0479602	3.72864e-05	0.0479978
-80.282	0.0394655	2.46125e-07	7.89407e-22	0.0478695	3.15352e-05	0.0479013
-79.9805	0.0407049	1.80601e-07	2.03321e-22	0.0476925	2.26213e-05	0.0477153
-79.9093	0.0382392	1.67803e-07	1.47217e-22	0.0476507	2.08944e-05	0.0476718
-79.677	0.0431778	1.31847e-07	5.09265e-23	0.0475144	1.60788e-05	0.0475306
-79.6059	0.0407121	1.22413e-07	3.67056e-23	0.0474727	1.48265e-05	0.0474876
-79.3727	0.0462675	9.58551e-08	1.24547e-23	0.0473358	1.13349e-05	0.0473472
-79.2182	0.0493544	8.14305e-08	6.04698e-24	0.0472451	9.46524e-06	0.0472546
-78.9204	0.0481266	5.93335e-08	1.48146e-24	0.0470703	6.65301e-06	0.047077
-78.9147	0.0518273	5.89766e-08	1.4422e-24	0.047067	6.60824e-06	0.0470737
-78.6151	0.0518331	4.27524e-08	3.43499e-25	0.0468911	4.6019e-06	0.0468958
-78.3436	0.0497825	3.18557e-08	9.20749e-26	0.0467318	3.29549e-06	0.0467351
-78.0196	0.0493775	2.23507e-08	1.87515e-26	0.0465416	2.19607e-06	0.0465438
-77.7237	0.0469162	1.61203e-08	4.29984e-27	0.0463679	1.50515e-06	0.0463695
-77.4259	0.0456884	1.15673e-08	9.58671e-28	0.0461932	1.02211e-06	0.0461942

-77.1291	0.0438438	8.28376e-09	2.1078e-28	0.046019	6.90206e-07	0.0460197
-76.8323	0.0419993	5.91432e-09	4.5487e-29	0.0458447	4.62909e-07	0.0458452
-76.5326	0.0420051	4.19618e-09	9.49269e-30	0.0456689	3.07154e-07	0.0456692
-76.233	0.0420108	2.96798e-09	1.94372e-30	0.045493	2.02393e-07	0.0454932

Table 4. Data from the experimental and approximation plot for SBA-15

-136.515	0.00694596	4.01575e-46	5.45279e-06	1.26689e-65	0.114539	0.114545
-136.446	0.00403232	5.65668e-46	5.8173e-06	2.30922e-65	0.114468	0.114474
-136.212	0.00840278	1.81026e-45	7.24302e-06	1.77005e-64	0.114226	0.114234
-136.202	0.0127732	1.89597e-45	7.30632e-06	1.91928e-64	0.114217	0.114224
-135.962	0.0200573	6.21302e-45	9.13016e-06	1.52946e-63	0.113968	0.113978
-135.898	0.0149585	8.5137e-45	9.68514e-06	2.65214e-63	0.113902	0.113912
-135.756	0.022971	1.70901e-44	1.10333e-05	8.95551e-63	0.113756	0.113767
-135.569	0.0287982	4.26815e-44	1.30874e-05	4.42245e-62	0.113562	0.113575
-135.557	0.0346255	4.53524e-44	1.32362e-05	4.91625e-62	0.113549	0.113563
-135.469	0.0404528	6.94005e-44	1.43269e-05	1.03219e-61	0.113459	0.113473
-135.307	0.0462801	1.52576e-43	1.65844e-05	4.07234e-61	0.113291	0.113308
-135.274	0.0385104	1.79313e-43	1.70885e-05	5.39462e-61	0.113257	0.113274
-135.107	0.0462801	4.00627e-43	1.98312e-05	2.18573e-60	0.113085	0.113105
-134.917	0.0535641	1.00063e-42	2.34826e-05	1.07352e-59	0.112888	0.112912
-134.848	0.0506505	1.39075e-42	2.4951e-05	1.90209e-59	0.112817	0.112842
-134.637	0.0559922	3.81285e-42	3.00331e-05	1.09565e-58	0.112599	0.112629
-134.592	0.0652187	4.71649e-42	3.1228e-05	1.58461e-58	0.112553	0.112584
-134.45	0.0615767	9.25901e-42	3.53341e-05	5.1038e-58	0.112406	0.112442
-134.308	0.0695892	1.81254e-41	3.99479e-05	1.63433e-57	0.11226	0.1123
-134.121	0.0754164	4.37932e-41	4.69133e-05	7.52512e-57	0.112066	0.112113
-133.815	0.0783301	1.83338e-40	6.08291e-05	8.94107e-56	0.11175	0.111811
-133.517	0.0776017	7.31997e-40	7.80932e-05	9.74613e-55	0.111442	0.11152
-133.221	0.0761448	2.87046e-39	9.98009e-05	1.02559e-53	0.111136	0.111236
-132.922	0.0754164	1.12152e-38	0.000127289	1.06793e-52	0.110828	0.110955
-132.62	0.0768732	4.42699e-38	0.000162422	1.12681e-51	0.110515	0.110678
-132.314	0.0797869	1.75228e-37	0.000207059	1.18915e-50	0.110199	0.110406
-132.008	0.0827005	6.85703e-37	0.000263052	1.225e-49	0.109883	0.110146
-131.939	0.0797869	9.3007e-37	0.000277446	2.06136e-49	0.109812	0.11009
-131.702	0.0856142	2.65282e-36	0.000333034	1.23181e-48	0.109567	0.1099
-131.69	0.0914414	2.80231e-36	0.000336222	1.35244e-48	0.109554	0.109891
-131.449	0.0987255	8.04414e-36	0.000403653	8.14567e-48	0.109306	0.10971
-131.385	0.0936267	1.06408e-35	0.000423644	1.31097e-47	0.10924	0.109664
-131.287	0.104553	1.63309e-35	0.000456133	2.71563e-47	0.109139	0.109595
-131.223	0.0994539	2.15752e-35	0.000478539	4.35883e-47	0.109072	0.109551
-131.125	0.11038	3.30481e-35	0.000514935	8.99211e-47	0.108971	0.109486
-131.061	0.105281	4.36052e-35	0.000540022	1.43945e-46	0.108905	0.109445
-130.897	0.111837	8.84375e-35	0.000609509	4.77533e-46	0.108735	0.109345
-130.885	0.117664	9.33067e-35	0.000615116	5.22941e-46	0.108723	0.109338

-130.588	0.116207	3.32626e-34	0.000763755	4.49849e-45	0.108416	0.10918
-130.576	0.122035	3.50775e-34	0.000770672	4.92136e-45	0.108403	0.109174
-130.307	0.119121	1.09798e-33	0.000934748	3.38307e-44	0.108126	0.109061
-130.217	0.114751	1.61021e-33	0.000997028	6.45471e-44	0.108033	0.10903
-130.019	0.113779	3.70191e-33	0.0011466	2.62568e-43	0.107828	0.108975
-129.929	0.108923	5.38818e-33	0.00122092	4.93975e-43	0.107736	0.108957
-129.711	0.10601	1.34158e-32	0.00142148	2.29065e-42	0.10751	0.108932
-129.702	0.11038	1.39472e-32	0.0014307	2.44515e-42	0.1075	0.108931
-129.408	0.107466	4.70278e-32	0.00174983	1.88037e-41	0.107197	0.108947
-129.399	0.111837	4.88737e-32	0.00176099	2.00573e-41	0.107188	0.108949
-129.093	0.114751	1.71524e-31	0.00216471	1.64134e-40	0.106872	0.109036
-129.024	0.111837	2.27031e-31	0.00226633	2.6228e-40	0.106801	0.109067
-128.8	0.111837	5.65875e-31	0.00263017	1.20534e-39	0.106569	0.109199
-128.79	0.116207	5.87679e-31	0.00264638	1.28382e-39	0.106559	0.109205
-128.527	0.110866	1.69918e-30	0.00314288	7.5323e-39	0.106287	0.10943
-128.437	0.10601	2.43318e-30	0.00333015	1.36904e-38	0.106194	0.109525
-128.22	0.102368	5.78591e-30	0.00382698	5.77632e-38	0.10597	0.109797
-128.21	0.107466	6.04217e-30	0.00385362	6.20729e-38	0.105959	0.109813
-127.926	0.100182	1.86147e-29	0.0046106	4.0112e-37	0.105666	0.110276
-127.916	0.104553	1.93127e-29	0.00463762	4.26336e-37	0.105656	0.110294
-127.617	0.104553	6.25874e-29	0.00558472	2.9812e-36	0.105346	0.110931
-127.317	0.104553	2.00618e-28	0.00670297	2.03687e-35	0.105037	0.11174
-127.027	0.100182	6.13688e-28	0.00797425	1.28212e-34	0.104737	0.112711
-127.017	0.104553	6.36047e-28	0.00801849	1.35977e-34	0.104727	0.112746
-126.742	0.105038	1.82129e-27	0.00942822	7.64229e-34	0.104442	0.113871
-126.552	0.111837	3.73047e-27	0.0105201	2.47231e-33	0.104247	0.114767
-126.484	0.108923	4.83359e-27	0.0109432	3.77662e-33	0.104176	0.115119
-126.243	0.116207	1.19095e-26	0.0125446	1.64681e-32	0.103928	0.116472
-126.234	0.120578	1.23323e-26	0.0126108	1.74326e-32	0.103918	0.116529
-125.928	0.123491	3.84555e-26	0.0149574	1.11108e-31	0.103602	0.118559
-125.916	0.129319	4.02675e-26	0.0150605	1.19745e-31	0.103589	0.11865
-125.616	0.129319	1.21285e-25	0.017739	7.17269e-31	0.10328	0.121018
-125.607	0.133689	1.25502e-25	0.0178287	7.58128e-31	0.10327	0.121099
-125.307	0.133689	3.73761e-25	0.0209278	4.4339e-30	0.10296	0.123888
-125.007	0.133689	1.10097e-24	0.0244843	2.53374e-29	0.102651	0.127135
-124.711	0.132232	3.17247e-24	0.0285053	1.38984e-28	0.102344	0.13085
-124.701	0.136603	3.27939e-24	0.0286406	1.46581e-28	0.102335	0.130975
-124.402	0.136603	9.44828e-24	0.0332839	7.99301e-28	0.102025	0.135309
-124.393	0.140973	9.76326e-24	0.0334383	8.42365e-28	0.102016	0.135454
-124.08	0.146801	2.90422e-23	0.0389609	4.80512e-27	0.101693	0.140654
-124.068	0.152628	3.03254e-23	0.0391963	5.14802e-27	0.10168	0.140877
-123.764	0.154813	8.67489e-23	0.0453325	2.7419e-26	0.101366	0.146698
-123.753	0.159912	9.00556e-23	0.0455662	2.90978e-26	0.101355	0.146921
-123.665	0.165739	1.21504e-22	0.0474773	4.6813e-26	0.101264	0.148742
-123.444	0.164282	2.58683e-22	0.0526263	1.55029e-25	0.101035	0.153662

-123.431	0.17011	2.69851e-22	0.0529287	1.65753e-25	0.101023	0.153951
-123.153	0.172052	6.92029e-22	0.0600862	7.33711e-25	0.100734	0.160821
-122.963	0.178851	1.3046e-21	0.0653829	1.99168e-24	0.100539	0.165922
-122.895	0.175937	1.64025e-21	0.0673959	2.85483e-24	0.100468	0.167864
-122.717	0.189048	2.95924e-21	0.0728413	7.21e-24	0.100284	0.173126
-122.653	0.183949	3.65617e-21	0.0748861	1.00442e-23	0.100218	0.175104
-122.511	0.191962	5.8335e-21	0.0795849	2.0872e-23	0.100071	0.179656
-122.325	0.197061	1.07078e-20	0.0860815	5.39036e-23	0.0998796	0.185961
-122.308	0.205073	1.1322e-20	0.0867009	5.88039e-23	0.0998619	0.186563
-122.166	0.201431	1.79611e-20	0.0919773	1.20706e-22	0.0997151	0.191692
-122.024	0.209444	2.84165e-20	0.0974992	2.46394e-22	0.0995685	0.197068
-121.838	0.214543	5.15878e-20	0.105107	6.21653e-22	0.0993766	0.204483
-121.678	0.219641	8.61432e-20	0.112053	1.37498e-21	0.0992106	0.211264
-121.536	0.215999	1.35171e-19	0.11848	2.75791e-21	0.0990639	0.217544
-121.375	0.221098	2.24376e-19	0.126084	6.02383e-21	0.0988978	0.224982
-121.099	0.221584	5.31331e-19	0.139971	2.26567e-20	0.098613	0.238584
-120.914	0.226197	9.41551e-19	0.149881	5.44166e-20	0.0984222	0.248304
-120.819	0.235666	1.26231e-18	0.155182	8.51745e-20	0.0983239	0.253506
-120.757	0.229839	1.52932e-18	0.158735	1.14158e-19	0.0982594	0.256994
-120.601	0.244407	2.4642e-18	0.16786	2.36163e-19	0.0980983	0.265958
-120.591	0.237123	2.53591e-18	0.168422	2.46701e-19	0.0980885	0.266511
-120.464	0.261889	3.74013e-18	0.17619	4.45365e-19	0.0979565	0.274146
-120.414	0.250235	4.35195e-18	0.179297	5.60538e-19	0.0979048	0.277202
-120.401	0.256062	4.51898e-18	0.180076	5.93502e-19	0.097892	0.277968
-120.276	0.279371	6.58318e-18	0.188011	1.04974e-18	0.0977631	0.285774
-120.237	0.262618	7.40503e-18	0.190549	1.25435e-18	0.0977227	0.288272
-120.226	0.267716	7.65133e-18	0.19126	1.31802e-18	0.0977115	0.288972
-120.214	0.273544	7.94272e-18	0.192075	1.39469e-18	0.0976986	0.289773
-120.089	0.296853	1.15379e-17	0.200366	2.452e-18	0.0975698	0.297936
-120.052	0.279371	1.29067e-17	0.20291	2.904e-18	0.097531	0.300441
-120.039	0.285198	1.33947e-17	0.203758	3.07121e-18	0.0975181	0.301276
-120.027	0.291026	1.39008e-17	0.204608	3.24791e-18	0.0975052	0.302113
-119.902	0.314335	2.01354e-17	0.213256	5.67584e-18	0.0973764	0.310633
-119.863	0.297581	2.26087e-17	0.216018	6.75656e-18	0.097336	0.313354
-119.852	0.30268	2.3349e-17	0.216792	7.09201e-18	0.0973247	0.314116
-119.84	0.308507	2.42244e-17	0.217678	7.49555e-18	0.0973119	0.314989
-119.703	0.337644	3.62936e-17	0.227595	1.37548e-17	0.0971702	0.324765
-119.677	0.314335	3.90731e-17	0.229442	1.53643e-17	0.0971442	0.326586
-119.665	0.320162	4.05273e-17	0.230361	1.62294e-17	0.0971314	0.327492
-119.653	0.325989	4.20348e-17	0.231282	1.71425e-17	0.0971185	0.328401
-119.64	0.331816	4.35976e-17	0.232206	1.81063e-17	0.0971057	0.329312
-119.484	0.346385	6.87707e-17	0.24398	3.581e-17	0.0969445	0.340924
-119.475	0.339101	7.06813e-17	0.244702	3.73067e-17	0.0969348	0.341637
-119.322	0.375521	1.10099e-16	0.256606	7.22714e-17	0.096777	0.353383

-119.31	0.381348	1.14135e-16	0.257592	7.62535e-17	0.0967642	0.354356
-119.295	0.35294	1.18926e-16	0.258721	8.107e-17	0.0967495	0.355471
-119.284	0.358039	1.22727e-16	0.259588	8.49593e-17	0.0967382	0.356326
-119.272	0.363866	1.27219e-16	0.260581	8.96298e-17	0.0967254	0.357306
-119.26	0.369694	1.31872e-16	0.261576	9.45532e-17	0.0967125	0.358288
-119.094	0.376978	2.12157e-16	0.275012	1.9168e-16	0.0965416	0.371553
-119.082	0.382805	2.19858e-16	0.276039	2.02093e-16	0.0965288	0.372568
-119.079	0.395916	2.21779e-16	0.27629	2.04718e-16	0.0965256	0.372816
-119.069	0.388632	2.27834e-16	0.277069	2.13064e-16	0.0965159	0.373585
-118.89	0.402472	3.79956e-16	0.292157	4.5439e-16	0.0963306	0.388488
-118.879	0.407571	3.91891e-16	0.293088	4.75647e-16	0.0963193	0.389407
-118.867	0.413398	4.05983e-16	0.294154	5.01141e-16	0.0963065	0.39046
-118.854	0.419226	4.20573e-16	0.295222	5.27981e-16	0.0962936	0.391516
-118.767	0.425053	5.38549e-16	0.302779	7.60573e-16	0.0962034	0.398983
-118.676	0.432337	6.95036e-16	0.310717	1.10767e-15	0.0961099	0.406827
-118.664	0.438164	7.19807e-16	0.311818	1.16628e-15	0.096097	0.407915
-118.608	0.429423	8.42994e-16	0.316819	1.47147e-15	0.0960389	0.412858
-118.573	0.445448	9.27907e-16	0.319883	1.69444e-15	0.0960036	0.415887
-118.486	0.451276	1.18464e-15	0.327775	2.42549e-15	0.0959133	0.423688
-118.374	0.468757	1.61923e-15	0.338062	3.8345e-15	0.0957973	0.433859
-118.322	0.457831	1.86825e-15	0.342842	4.72733e-15	0.0957441	0.438586
-118.311	0.46293	1.92548e-15	0.343856	4.94058e-15	0.0957328	0.439589
-118.168	0.471671	2.86164e-15	0.357352	8.81111e-15	0.0955845	0.452937
-117.987	0.486239	4.69891e-15	0.374719	1.81341e-14	0.0953976	0.470116
-117.977	0.478955	4.82116e-15	0.375632	1.88234e-14	0.0953879	0.47102
-117.909	0.476041	5.81331e-15	0.38233	2.46978e-14	0.0953169	0.477647
-117.818	0.49498	7.43022e-15	0.391223	3.52449e-14	0.0952235	0.486446
-117.669	0.518289	1.11305e-14	0.406134	6.32108e-14	0.0950689	0.501203
-117.637	0.509548	1.21068e-14	0.409278	7.1363e-14	0.0950366	0.504314
-117.628	0.502264	1.24168e-14	0.410226	7.40127e-14	0.0950269	0.505253
-117.559	0.499351	1.49283e-14	0.41717	9.65107e-14	0.0949559	0.512126
-117.488	0.532857	1.80762e-14	0.424453	1.27096e-13	0.094882	0.519335
-117.449	0.516104	2.00638e-14	0.428453	1.47651e-13	0.0948416	0.523295
-117.438	0.521203	2.06544e-14	0.429569	1.53933e-13	0.0948303	0.524399
-117.425	0.52703	2.13503e-14	0.430846	1.61434e-13	0.0948174	0.525663
-117.288	0.556167	3.07198e-14	0.444997	2.71967e-13	0.0946757	0.539673
-117.26	0.534314	3.30994e-14	0.447929	3.02607e-13	0.0946466	0.542575
-117.257	0.547426	3.3366e-14	0.448244	3.061e-13	0.0946434	0.542888
-117.247	0.540142	3.42053e-14	0.449223	3.17172e-13	0.0946337	0.543857
-117.107	0.570735	4.94721e-14	0.463887	5.37199e-13	0.0944888	0.558376
-117.068	0.553981	5.48121e-14	0.468001	6.21684e-13	0.0944484	0.56245
-117.057	0.55908	5.63969e-14	0.469149	6.47441e-13	0.0944371	0.563586
-117.045	0.564907	5.82633e-14	0.470461	6.78161e-13	0.0944243	0.564885
-116.908	0.594044	8.32996e-14	0.484977	1.1272e-12	0.0942826	0.57926
-116.879	0.572192	8.96344e-14	0.487978	1.25072e-12	0.0942534	0.582232

-116.876	0.585303	9.03436e-14	0.488302	1.26478e-12	0.0942503	0.582552
-116.867	0.578019	9.25757e-14	0.489303	1.30932e-12	0.0942406	0.583544
-116.727	0.608612	1.33025e-13	0.50428	2.18726e-12	0.0940957	0.598376
-116.695	0.599871	1.44174e-13	0.507631	2.45064e-12	0.0940634	0.601694
-116.686	0.592587	1.47706e-13	0.50864	2.53582e-12	0.0940536	0.602693
-116.533	0.629007	2.18418e-13	0.525059	4.40095e-12	0.0938959	0.618954
-116.507	0.606427	2.33796e-13	0.527934	4.84284e-12	0.0938683	0.621802
-116.496	0.611526	2.40377e-13	0.529108	5.03552e-12	0.0938571	0.622965
-116.483	0.617353	2.4812e-13	0.530451	5.26494e-12	0.0938442	0.624295
-116.471	0.62318	2.56108e-13	0.531794	5.50459e-12	0.0938313	0.625625
-116.346	0.646489	3.51419e-13	0.545265	8.57882e-12	0.0937025	0.638968
-116.315	0.637748	3.8032e-13	0.548647	9.58237e-12	0.0936702	0.642317
-116.305	0.630464	3.89465e-13	0.549665	9.90628e-12	0.0936605	0.643325
-116.124	0.645032	6.13734e-13	0.569246	1.86893e-11	0.0934735	0.66272
-116.112	0.65086	6.33147e-13	0.570594	1.95174e-11	0.0934607	0.664054
-116.109	0.663971	6.37975e-13	0.570922	1.9725e-11	0.0934575	0.66438
-116.1	0.656687	6.53161e-13	0.571941	2.03815e-11	0.0934478	0.665388
-115.959	0.68728	9.26293e-13	0.587108	3.31149e-11	0.0933029	0.680411
-115.928	0.678539	1.00099e-12	0.590485	3.68733e-11	0.0932706	0.683756
-115.919	0.671255	1.02461e-12	0.591501	3.8084e-11	0.0932609	0.684762
-115.738	0.685823	1.60087e-12	0.610992	7.05629e-11	0.093074	0.704066
-115.725	0.691651	1.65054e-12	0.612329	7.35983e-11	0.0930611	0.70539
-115.722	0.704762	1.66289e-12	0.612655	7.43582e-11	0.093058	0.705713
-115.713	0.697478	1.70171e-12	0.613665	7.67611e-11	0.0930482	0.706714
-115.585	0.722244	2.32579e-12	0.62735	1.17969e-10	0.0929162	0.720266
-115.535	0.710589	2.6268e-12	0.632683	1.39411e-10	0.0928645	0.725548
-115.522	0.716417	2.70746e-12	0.634009	1.45313e-10	0.0928517	0.72686
-115.373	0.75138	3.88844e-12	0.649864	2.38431e-10	0.0926971	0.742562
-115.357	0.723701	4.03916e-12	0.651529	2.51134e-10	0.0926808	0.74421
-115.345	0.729528	4.16207e-12	0.65284	2.61617e-10	0.0926679	0.745508
-115.342	0.742639	4.19261e-12	0.65316	2.64239e-10	0.0926648	0.745825
-115.332	0.735355	4.28863e-12	0.654151	2.72526e-10	0.0926551	0.746806
-115.151	0.749923	6.61442e-12	0.673062	4.91298e-10	0.0924681	0.76553
-115.148	0.763035	6.66249e-12	0.673377	4.96148e-10	0.092465	0.765842
-115.139	0.755751	6.81356e-12	0.674353	5.11467e-10	0.0924553	0.766808
-115.083	0.74701	7.78878e-12	0.680168	6.13112e-10	0.0923972	0.772565
-114.958	0.770319	1.04639e-11	0.692952	9.1376e-10	0.0922683	0.785221
-114.955	0.78343	1.05391e-11	0.693262	9.2264e-10	0.0922652	0.785527
-114.945	0.776146	1.07757e-11	0.69422	9.50681e-10	0.0922555	0.786475
-114.889	0.767405	1.23017e-11	0.699925	1.13642e-09	0.0921974	0.792122
-114.805	0.806739	1.49827e-11	0.708381	1.48139e-09	0.0921106	0.800492
-114.774	0.797998	1.61197e-11	0.711507	1.63423e-09	0.0920783	0.803585
-114.764	0.790714	1.64781e-11	0.712445	1.68316e-09	0.0920686	0.804514
-114.696	0.787801	1.93409e-11	0.719261	2.08613e-09	0.0919976	0.811258

-114.584	0.805282	2.50977e-11	0.730266	2.95492e-09	0.0918816	0.822147
-114.571	0.81111	2.5831e-11	0.731476	3.07062e-09	0.0918688	0.823344
-114.559	0.816937	2.65852e-11	0.732683	3.19072e-09	0.0918559	0.824539
-114.546	0.822764	2.73609e-11	0.733888	3.31538e-09	0.091843	0.825731
-114.378	0.831505	4.0308e-11	0.749977	5.54795e-09	0.091669	0.841646
-114.365	0.837332	4.14727e-11	0.751148	5.76136e-09	0.0916561	0.842805
-114.275	0.844617	5.09831e-11	0.759585	7.57084e-09	0.0915626	0.851148
-114.186	0.851172	6.23916e-11	0.767744	9.88163e-09	0.0914708	0.859214
-114.175	0.856271	6.395e-11	0.768733	1.0208e-08	0.0914595	0.860193
-114.088	0.862098	7.79016e-11	0.776596	1.32321e-08	0.0913693	0.867966
-113.997	0.869382	9.54727e-11	0.784591	1.72756e-08	0.0912758	0.875867
-113.994	0.882494	9.61253e-11	0.784857	1.74303e-08	0.0912727	0.876129
-113.985	0.87521	9.81746e-11	0.785679	1.79182e-08	0.0912629	0.876942
-113.928	0.866469	1.1134e-10	0.790556	2.11221e-08	0.0912048	0.881761
-113.826	0.891235	1.40012e-10	0.799311	2.84756e-08	0.0910986	0.89041
-113.688	0.908717	1.89701e-10	0.810652	4.22406e-08	0.0909568	0.901609
-113.638	0.897062	2.11786e-10	0.814684	4.87106e-08	0.0909052	0.905589
-113.626	0.902889	2.17661e-10	0.815679	5.04643e-08	0.0908923	0.906571
-113.514	0.920371	2.78336e-10	0.824493	6.92983e-08	0.0907763	0.915269
-113.462	0.909445	3.11462e-10	0.828445	8.00804e-08	0.090723	0.919168
-113.451	0.914544	3.18934e-10	0.829272	8.25568e-08	0.0907118	0.919984
-113.327	0.937853	4.1796e-10	0.838533	1.16744e-07	0.090583	0.929116
-113.295	0.929112	4.47148e-10	0.840796	1.27261e-07	0.0905507	0.931347
-113.286	0.921828	4.56314e-10	0.841472	1.30601e-07	0.0905409	0.932013
-113.106	0.935668	6.70439e-10	0.853933	2.13078e-07	0.0903556	0.944289
-113.096	0.940767	6.86199e-10	0.854663	2.19447e-07	0.0903444	0.945007
-113.083	0.946594	7.04652e-10	0.855493	2.26952e-07	0.0903315	0.945824
-112.971	0.964076	8.944e-10	0.862793	3.06789e-07	0.0902155	0.953009
-112.94	0.955335	9.55561e-10	0.864766	3.33466e-07	0.0901832	0.954949
-112.849	0.950964	1.15651e-09	0.870327	4.23929e-07	0.0900897	0.960417
-112.802	0.972817	1.2756e-09	0.873104	4.79375e-07	0.0900414	0.963146
-112.751	0.96189	1.42104e-09	0.876101	5.4874e-07	0.0899882	0.96609
-112.74	0.966989	1.45375e-09	0.876725	5.64579e-07	0.0899769	0.966702
-112.628	0.984471	1.83656e-09	0.882948	7.55632e-07	0.0898609	0.97281
-112.576	0.973545	2.0437e-09	0.885684	8.62961e-07	0.0898077	0.975493
-112.565	0.978644	2.09027e-09	0.886252	8.87433e-07	0.0897964	0.976049
-112.453	0.996126	2.63436e-09	0.891897	1.18174e-06	0.0896804	0.981579
-112.422	0.987385	2.80895e-09	0.893402	1.27914e-06	0.0896481	0.983051
-112.272	1.01069	3.8126e-09	0.90019	1.86228e-06	0.0894935	0.989685
-112.233	0.99394	4.12767e-09	0.901849	2.05244e-06	0.0894531	0.991304
-112.222	0.999039	4.2198e-09	0.902303	2.1086e-06	0.0894418	0.991747
-112.21	1.00487	4.32752e-09	0.902817	2.1746e-06	0.089429	0.992248
-112.11	1.01652	5.29325e-09	0.906759	2.78011e-06	0.0893259	0.996087
-112.046	1.01142	6.01946e-09	0.90912	3.25015e-06	0.0892597	0.998383
-111.882	1.01798	8.34551e-09	0.914561	4.82412e-06	0.0890905	1.00366

-111.869	1.02381	8.55414e-09	0.914938	4.96967e-06	0.0890776	1.00402
-111.857	1.02963	8.76782e-09	0.915311	5.1194e-06	0.0890648	1.00438
-111.554	1.03109	1.58845e-08	0.922791	1.04093e-05	0.088752	1.01155
-111.545	1.03546	1.61754e-08	0.922972	1.06356e-05	0.0887423	1.01173
-111.252	1.03255	2.84573e-08	0.927187	2.06701e-05	0.0884392	1.01565
-111.242	1.03692	2.89684e-08	0.927273	2.11041e-05	0.0884295	1.01572
-110.973	1.03449	4.82055e-08	0.928469	3.80736e-05	0.0881511	1.01666
-110.883	1.02963	5.69777e-08	0.928315	4.6125e-05	0.0880587	1.01642
-110.685	1.02866	8.21416e-08	0.927004	6.99452e-05	0.0878544	1.01493
-110.524	1.02235	1.10319e-07	0.924945	9.75116e-05	0.0876878	1.01273
-110.462	1.01652	1.23561e-07	0.923911	0.0001107	0.0876233	1.01164
-110.34	1.00341	1.53918e-07	0.921514	0.000141362	0.0874974	1.00915
-110.274	1.01069	1.73088e-07	0.92002	0.000160968	0.0874297	1.00761
-110.143	1.00195	2.18602e-07	0.916598	0.000208083	0.0872942	1.0041
-109.993	0.990298	2.84719e-07	0.911993	0.00027753	0.0871394	0.99941
-109.981	0.996126	2.91e-07	0.911578	0.000284173	0.0871265	0.998989
-109.928	0.985928	3.19335e-07	0.909748	0.00031422	0.0870716	0.997135
-109.731	0.984471	4.49069e-07	0.90219	0.000452952	0.0868685	0.989512
-109.572	0.977187	5.89799e-07	0.895178	0.000604608	0.086704	0.982488
-109.509	0.97136	6.5581e-07	0.892215	0.000675923	0.0866394	0.979531
-109.313	0.969903	9.13024e-07	0.882117	0.000953875	0.0864363	0.969508
-109.235	0.959705	1.03988e-06	0.877791	0.00109068	0.0863556	0.965238
-109.15	0.964076	1.19556e-06	0.872927	0.00125812	0.0862686	0.960455
-109.097	0.953878	1.30492e-06	0.869757	0.00137539	0.0862137	0.957347
-109.013	0.958248	1.49816e-06	0.864568	0.00158179	0.0861266	0.952278
-108.963	0.946594	1.6255e-06	0.861395	0.00171721	0.086075	0.949189
-108.876	0.952421	1.87304e-06	0.855692	0.00197908	0.0859847	0.943657
-108.77	0.94368	2.22241e-06	0.848488	0.00234546	0.085875	0.936711
-108.704	0.927655	2.46859e-06	0.843889	0.00260138	0.0858072	0.9323
-108.62	0.932026	2.82271e-06	0.837828	0.00296628	0.0857202	0.926517
-108.607	0.937853	2.87896e-06	0.836917	0.00302391	0.0857073	0.925651
-108.567	0.921828	3.07032e-06	0.833916	0.00321924	0.0856653	0.922803
-108.482	0.926198	3.50579e-06	0.827572	0.00365987	0.0855782	0.916814
-108.442	0.910173	3.7365e-06	0.824449	0.00389117	0.0855362	0.91388
-108.357	0.914544	4.26098e-06	0.81786	0.00441176	0.0854492	0.907725
-108.345	0.920371	4.34417e-06	0.816873	0.00449368	0.0854363	0.906807
-108.304	0.904346	4.62688e-06	0.813622	0.00477079	0.0853943	0.903792
-108.22	0.908717	5.26889e-06	0.806774	0.00539292	0.0853073	0.89748
-108.179	0.892692	5.60831e-06	0.803413	0.00571798	0.0852652	0.894402
-108.114	0.899976	6.19876e-06	0.797928	0.00627744	0.0851976	0.889409
-108.051	0.882494	6.81707e-06	0.792608	0.0068555	0.0851329	0.884604
-107.964	0.888321	7.77918e-06	0.785047	0.00774009	0.0850427	0.877837
-107.951	0.894148	7.92631e-06	0.783957	0.00787384	0.0850298	0.876869
-107.936	0.866469	8.11663e-06	0.782572	0.00804629	0.0850135	0.87564

-107.851	0.870839	9.20789e-06	0.775096	0.00902294	0.0849265	0.869054
-107.839	0.876667	9.38043e-06	0.77398	0.00917554	0.0849136	0.868078
-107.827	0.882494	9.55603e-06	0.772861	0.00933035	0.0849008	0.867102
-107.745	0.862098	1.07813e-05	0.765489	0.0103973	0.0848168	0.860714
-107.736	0.854814	1.09323e-05	0.764628	0.0105272	0.0848071	0.859973
-107.692	0.840246	1.1662e-05	0.760601	0.0111505	0.0847618	0.856525
-107.608	0.844617	1.31968e-05	0.752764	0.0124378	0.0846748	0.84989
-107.595	0.850444	1.34391e-05	0.751597	0.0126383	0.0846619	0.84891
-107.502	0.835876	1.5403e-05	0.742724	0.0142369	0.0845651	0.841542
-107.364	0.818394	1.87771e-05	0.729475	0.0168844	0.0844231	0.830802
-107.352	0.824221	1.91148e-05	0.728262	0.0171431	0.0844102	0.829834
-107.339	0.830048	1.94582e-05	0.727047	0.0174051	0.0843974	0.828868
-107.23	0.811111	2.27347e-05	0.716279	0.0198515	0.0842844	0.820437
-107.099	0.802369	2.73464e-05	0.703166	0.0231484	0.0841489	0.810491
-107.049	0.790714	2.93258e-05	0.698112	0.0245166	0.0840972	0.806755
-106.965	0.795085	3.29664e-05	0.689537	0.0269671	0.0840102	0.800547
-106.915	0.78343	3.53236e-05	0.684411	0.0285115	0.0839585	0.796917
-106.827	0.789257	3.9823e-05	0.6754	0.0313757	0.0838683	0.790684
-106.786	0.773232	4.20962e-05	0.67118	0.0327838	0.0838262	0.787832
-106.721	0.780517	4.60126e-05	0.664355	0.0351535	0.0837586	0.783313
-106.655	0.764492	5.02771e-05	0.657479	0.0376587	0.0836908	0.778879
-106.59	0.771776	5.48971e-05	0.650586	0.0402914	0.0836231	0.774556
-106.46	0.750652	6.52317e-05	0.636856	0.0459082	0.0834891	0.766319
-106.459	0.763035	6.53596e-05	0.636699	0.0459755	0.0834876	0.766227
-106.449	0.755751	6.61775e-05	0.635698	0.046405	0.0834779	0.765648
-106.405	0.741182	7.01103e-05	0.631036	0.0484425	0.0834326	0.762981
-106.321	0.745553	7.82941e-05	0.622038	0.0525441	0.0833456	0.758006
-106.207	0.728799	9.07882e-05	0.609809	0.0584836	0.0832278	0.751611
-106.196	0.733898	9.20736e-05	0.608638	0.0590745	0.0832165	0.751021
-106.184	0.739726	9.35633e-05	0.607299	0.0597549	0.0832037	0.750351
-105.933	0.728557	0.000128764	0.58024	0.0746249	0.0829446	0.737938
-105.844	0.723701	0.00014404	0.570556	0.080467	0.0828521	0.73402
-105.619	0.723701	0.000190042	0.546238	0.0963486	0.0826199	0.725396
-105.609	0.728071	0.000192218	0.545228	0.0970449	0.0826103	0.725076
-105.31	0.728071	0.000275403	0.512921	0.120824	0.0823007	0.716321
-105.01	0.728071	0.000390286	0.48093	0.146983	0.0819911	0.710295
-104.72	0.723701	0.000541426	0.450414	0.173831	0.0816912	0.706478
-104.711	0.728071	0.000547062	0.449442	0.174709	0.0816816	0.706379
-104.447	0.722729	0.000729381	0.422325	0.199499	0.0814096	0.703963
-104.358	0.717873	0.000802765	0.413242	0.207857	0.0813171	0.703219
-104.161	0.716417	0.000987568	0.393558	0.225822	0.081114	0.701481
-104.002	0.709132	0.00116392	0.377912	0.23974	0.0809494	0.699765
-103.939	0.703305	0.00124036	0.371851	0.244993	0.0808849	0.698969
-103.742	0.702334	0.0015122	0.352965	0.260652	0.0806807	0.69581
-103.652	0.697478	0.00165156	0.344569	0.267179	0.0805882	0.693988

-103.461	0.693593	0.00198775	0.326949	0.279746	0.0803904	0.689073
-103.374	0.68728	0.00215792	0.319155	0.284725	0.0803012	0.686339
-103.246	0.677082	0.00243319	0.307788	0.291233	0.0801689	0.681623
-103.181	0.684367	0.00258531	0.302059	0.294138	0.0801012	0.678884
-103.05	0.675626	0.0029145	0.290769	0.299044	0.0799657	0.672694
-102.975	0.663971	0.00311827	0.284424	0.301285	0.0798882	0.668715
-102.887	0.669798	0.00337079	0.277133	0.30336	0.079798	0.663662
-102.781	0.661057	0.00370075	0.26842	0.305091	0.0796883	0.656901
-102.65	0.652317	0.00414535	0.257888	0.306011	0.0795528	0.647597
-102.641	0.645032	0.00417889	0.257142	0.306025	0.0795431	0.646889
-102.597	0.630464	0.00433798	0.253688	0.305998	0.0794978	0.643522
-102.513	0.634835	0.00465821	0.247124	0.305519	0.0794108	0.636712
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-102.475	0.617353	0.00480718	0.244232	0.305125	0.079372	0.633536
-102.388	0.62318	0.00516884	0.237588	0.303784	0.0792817	0.625822
-102.375	0.629007	0.00522214	0.23665	0.303545	0.0792689	0.624686
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-102.235	0.589673	0.0058566	0.226219	0.300017	0.0791235	0.611215
-102.157	0.602785	0.00623419	0.22057	0.297425	0.079043	0.603271
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-102.038	0.588217	0.00684671	0.212145	0.292637	0.0789204	0.59055
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-101.9129	0.564907	0.00754284	0.203507	0.28655	0.0787912	0.576392
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-95.1736	0.15457	0.0828327	0.00920697	0.000235223	0.0718287	0.164104
-94.8469	0.155541	0.0808052	0.00759325	0.000123733	0.0714912	0.160013
-94.5442	0.156998	0.078057	0.00632909	6.65655e-05	0.0711784	0.155631
-94.5348	0.161369	0.0779599	0.0062933	6.52804e-05	0.0711687	0.155487
-94.2367	0.16064	0.0745039	0.0052424	3.46213e-05	0.0708608	0.150642
-94.2258	0.165739	0.0743653	0.00520719	3.38135e-05	0.0708495	0.150456
-93.9433	0.157727	0.0705006	0.00436548	1.81337e-05	0.0705576	0.145442
-93.9324	0.162826	0.070342	0.00433565	1.7696e-05	0.0705464	0.145242
-93.6764	0.154085	0.0664371	0.00368571	9.87726e-06	0.0702819	0.140415
-93.5983	0.143887	0.0651856	0.00350586	8.23985e-06	0.0702012	0.138901
-93.5141	0.148257	0.0638087	0.00332083	6.76452e-06	0.0701142	0.13725

-93.3876	0.137331	0.0616954	0.00305972	5.01309e-06	0.0699835	0.134744
-93.3767	0.14243	0.0615111	0.00303813	4.88445e-06	0.0699723	0.134526
-93.3236	0.132232	0.0606075	0.00293482	4.30087e-06	0.0699174	0.133464
-93.1269	0.130776	0.0572048	0.00257973	2.66844e-06	0.0697142	0.129501
-93.0395	0.124948	0.0556695	0.00243485	2.15128e-06	0.0696239	0.12773
-92.8241	0.120578	0.0518536	0.00210917	1.25473e-06	0.0694014	0.123365
-92.8148	0.124948	0.0516877	0.002096	1.22542e-06	0.0693917	0.123177
-92.5323	0.116936	0.0466732	0.0017315	5.92898e-07	0.0690998	0.117505
-92.5214	0.122035	0.0464809	0.0017187	5.76295e-07	0.0690886	0.117289
-92.2591	0.116207	0.0418988	0.0014355	2.88184e-07	0.0688177	0.112152
-92.1811	0.10601	0.0405576	0.00135988	2.33637e-07	0.068737	0.110655
-92.0968	0.11038	0.0391263	0.00128244	1.85982e-07	0.06865	0.109059
-92.0468	0.0987255	0.0382849	0.00123842	1.62286e-07	0.0685983	0.108122
-91.9594	0.104553	0.0368313	0.00116486	1.27708e-07	0.068508	0.106504
-91.8533	0.0958119	0.0350947	0.0010809	9.51894e-08	0.0683983	0.104574
-91.7658	0.0899846	0.0336915	0.00101601	7.45662e-08	0.068308	0.103016
-91.5661	0.0899846	0.0305851	0.00088106	4.23678e-08	0.0681016	0.0995679
-91.4755	0.0856142	0.0292262	0.000825546	3.26801e-08	0.0680081	0.0980598
-91.2477	0.087071	0.0259525	0.0006999	1.68457e-08	0.0677727	0.0944251
-91.2383	0.0914414	0.025823	0.000695152	1.63898e-08	0.0677631	0.0942812
-90.9356	0.0928982	0.0218293	0.000556501	6.65022e-09	0.0674503	0.0898361
-90.6661	0.0904702	0.0186211	0.00045523	2.92079e-09	0.0671719	0.0862482
-90.3457	0.0885278	0.0152369	0.000357255	1.07144e-09	0.0668408	0.0824349
-90.0491	0.087071	0.0125153	0.000284523	4.1372e-10	0.0665344	0.0793343
-89.7557	0.0841573	0.0101928	0.000226416	1.57789e-10	0.0662313	0.0766505
-89.6901	0.0797869	0.00972179	0.000215053	1.26824e-10	0.0661636	0.0761004
-89.4623	0.0812437	0.00821449	0.000179603	5.88565e-11	0.0659282	0.0743223
-89.1689	0.0783301	0.00655091	0.000142017	2.14713e-11	0.065625	0.072318
-88.8786	0.0739596	0.00518288	0.000112225	7.74581e-12	0.0653251	0.0706202
-88.6122	0.0700748	0.00414282	9.01733e-05	2.98171e-12	0.0650499	0.0692829
-88.5227	0.0652187	0.003835	8.3733e-05	2.15459e-12	0.0649574	0.0688762
-88.326	0.0637619	0.00322555	7.10791e-05	1.04763e-12	0.0647543	0.0680509
-88.2386	0.0579346	0.00298214	6.60551e-05	7.57848e-13	0.064664	0.0677121
-88.0451	0.055021	0.00249837	5.61049e-05	3.67494e-13	0.064464	0.0670185
-87.8936	0.0440948	0.00216828	4.93281e-05	2.07178e-13	0.0643075	0.0665251
-87.8827	0.0491937	0.00214607	4.8872e-05	1.98767e-13	0.0642963	0.0664912
-87.6018	0.0404528	0.00163716	3.8399e-05	6.7518e-14	0.064006	0.0656816
-87.5893	0.0462801	0.00161728	3.79884e-05	6.43339e-14	0.0639931	0.0656484
-87.2928	0.0448232	0.00120223	2.93547e-05	2.01156e-14	0.0636868	0.0649184
-87.2803	0.0506505	0.00118707	2.90366e-05	1.91479e-14	0.0636739	0.06489
-86.976	0.0528357	0.000865466	2.22079e-05	5.66621e-15	0.0633595	0.0642472
-86.9651	0.0579346	0.000855554	2.19944e-05	5.42215e-15	0.0633483	0.0642258
-86.6686	0.0564778	0.000621774	1.68799e-05	1.61626e-15	0.0630419	0.0636806
-86.6593	0.0608482	0.00061545	1.6739e-05	1.55525e-15	0.0630323	0.0636645
-86.3596	0.0608482	0.000440796	1.27674e-05	4.46988e-16	0.0627227	0.0631763

-86.0693	0.0564778	0.000315688	9.78964e-06	1.30635e-16	0.0624228	0.0627483
-86.06	0.0608482	0.000312264	9.70589e-06	1.25523e-16	0.0624132	0.0627351
-85.7666	0.0579346	0.000220445	7.39683e-06	3.53877e-17	0.06211	0.0623379
-85.4763	0.0535641	0.000154594	5.6357e-06	9.89265e-18	0.0618101	0.0619703
-85.467	0.0579346	0.000152813	5.58634e-06	9.49192e-18	0.0618005	0.0619589
-85.1673	0.0579346	0.000104775	4.20503e-06	2.48765e-18	0.0614909	0.0615999
-84.863	0.0601198	7.06205e-05	3.14062e-06	6.23534e-19	0.0611765	0.0612503
-84.7023	0.0652187	5.70778e-05	2.68827e-06	2.97376e-19	0.0610105	0.0610702
-84.5587	0.0623051	4.70643e-05	2.33762e-06	1.52598e-19	0.0608621	0.0609115
-84.3995	0.0666755	3.78932e-05	2.00038e-06	7.23919e-20	0.0606977	0.0607376
-84.0999	0.0666755	2.49861e-05	1.48807e-06	1.74688e-20	0.0603881	0.0604146
-83.7909	0.071046	1.60773e-05	1.093e-06	3.93599e-21	0.0600689	0.0600861
-83.7222	0.0681323	1.45532e-05	1.02006e-06	2.81659e-21	0.059998	0.0600135
-83.4851	0.0739596	1.02723e-05	8.02529e-07	8.78661e-22	0.0597529	0.059764
-83.4164	0.071046	9.27471e-06	7.48388e-07	6.25368e-22	0.059682	0.059692
-83.1808	0.0761448	6.50419e-06	5.88157e-07	1.92971e-22	0.0594385	0.0594456
-82.8796	0.0768732	4.09176e-06	4.30966e-07	4.20407e-23	0.0591274	0.0591319
-82.583	0.0754164	2.56476e-06	3.16274e-07	9.16577e-24	0.058821	0.0588239
-82.5175	0.071046	2.3097e-06	2.95228e-07	6.52459e-24	0.0587533	0.0587559
-82.3005	0.0674039	1.62715e-06	2.34811e-07	2.1025e-24	0.0585291	0.058531
-82.2896	0.0725028	1.59854e-06	2.32117e-07	1.98566e-24	0.0585179	0.0585197
-82.0024	0.0666755	9.96168e-07	1.70947e-07	4.34894e-25	0.0582212	0.0582223
-81.7106	0.0630335	6.09709e-07	1.24883e-07	9.09215e-26	0.0579196	0.0579204
-81.6997	0.0681323	5.9852e-07	1.2342e-07	8.57266e-26	0.0579084	0.0579091
-81.4031	0.0666755	3.59469e-07	8.94119e-08	1.70759e-26	0.057602	0.0576025
-81.3938	0.071046	3.53683e-07	8.85044e-08	1.62241e-26	0.0575924	0.0575928
-81.0879	0.0739596	2.06628e-07	6.32472e-08	2.99722e-27	0.0572764	0.0572767
-80.7836	0.0761448	1.19681e-07	4.51202e-08	5.45251e-28	0.056962	0.0569622
-80.4856	0.0754164	6.93352e-08	3.23043e-08	1.00356e-28	0.0566541	0.0566542
-80.1859	0.0754164	3.96182e-08	2.3012e-08	1.78902e-29	0.0563445	0.0563445
-79.8863	0.0754164	2.2391e-08	1.63384e-08	3.11615e-30	0.0560349	0.056035
-79.5913	0.0732312	1.26317e-08	1.16245e-08	5.45271e-31	0.0557302	0.0557302
-79.2932	0.0725028	7.00716e-09	8.2141e-09	9.15607e-32	0.0554222	0.0554222
-78.9936	0.0725028	3.83298e-09	5.77462e-09	1.4884e-32	0.0551127	0.0551127
-78.7002	0.0695892	2.10067e-09	4.07633e-09	2.45676e-33	0.0548095	0.0548095
-78.4005	0.0695892	1.12442e-09	2.84696e-09	3.81459e-34	0.0545	0.0545
-78.1009	0.0695892	5.95301e-10	1.98177e-09	5.78717e-35	0.0541904	0.0541904
-77.8012	0.0695892	3.11734e-10	1.37494e-09	8.5786e-36	0.0538808	0.0538808
-77.4985	0.071046	1.60353e-10	9.47114e-10	1.21768e-36	0.053568	0.053568
-77.1957	0.0725028	8.1566e-11	6.50206e-10	1.68799e-37	0.0532553	0.0532553
-76.9263	0.0700748	4.42702e-11	4.63887e-10	2.85013e-38	0.0529769	0.0529769
-76.8368	0.0652187	3.6067e-11	4.14429e-10	1.5721e-38	0.0528844	0.0528844
-76.6401	0.0637619	2.29129e-11	3.23167e-10	4.22332e-39	0.0526812	0.0526812

Table 5. Data from the experimental and approximation plot for SBA-16

-136.104	0.0380626	2.3971e-05	4.87526e-92	0.0539736	2.04519e-84	0.0539976
-136.018	0.0334153	2.56827e-05	1.36732e-91	0.0539692	4.40635e-84	0.0539949
-135.789	0.0348151	3.08465e-05	2.12432e-90	0.0539575	3.40037e-83	0.0539884
-135.489	0.0348216	3.91082e-05	7.48491e-89	0.0539422	4.84743e-82	0.0539813
-135.477	0.0390061	3.95033e-05	8.70576e-89	0.0539415	5.4263e-82	0.053981
-135.189	0.0431966	4.94685e-05	2.57316e-87	0.0539268	6.81402e-81	0.0539763
-135.181	0.0376178	4.97752e-05	2.82448e-87	0.0539264	7.30584e-81	0.0539762
-134.993	0.0501746	5.75889e-05	2.54966e-86	0.0539168	3.79001e-80	0.0539744
-134.927	0.0473866	6.06146e-05	5.52657e-86	0.0539134	6.76403e-80	0.053974
-134.711	0.0525053	7.14998e-05	6.72398e-85	0.0539024	4.39937e-79	0.0539739
-134.522	0.0571586	8.25535e-05	5.94365e-84	0.0538927	2.25643e-78	0.0539753
-134.223	0.0571651	0.000103455	1.83495e-82	0.0538774	2.9683e-77	0.0539809
-133.923	0.0571717	0.000129293	5.4906e-81	0.0538621	3.83123e-76	0.0539914
-133.623	0.0571782	0.00016114	1.59235e-79	0.0538467	4.8519e-75	0.0540079
-133.328	0.0557899	0.000199667	4.26966e-78	0.0538316	5.8176e-74	0.0540313
-133.315	0.0599744	0.000201513	4.91858e-78	0.053831	6.47438e-74	0.0540325
-133.011	0.0613758	0.000250511	1.40282e-76	0.0538154	8.17317e-73	0.054066
-132.945	0.0585878	0.000262613	2.90454e-76	0.053812	1.41859e-72	0.0540747
-132.703	0.064172	0.000311473	4.05774e-75	0.0537997	1.04793e-71	0.0541111
-132.562	0.0613856	0.000343855	1.87747e-74	0.0537924	3.35333e-71	0.0541363
-132.399	0.0655734	0.000385009	1.08472e-73	0.0537841	1.27181e-70	0.0541691
-132.099	0.0655799	0.000473184	2.68345e-72	0.0537688	1.46222e-69	0.054242
-132.037	0.0613971	0.000493689	5.1995e-72	0.0537656	2.42065e-69	0.0542593
-131.808	0.0627968	0.000576635	5.8814e-71	0.0537539	1.54016e-68	0.0543305
-131.746	0.058614	0.000601291	1.13243e-70	0.0537507	2.53993e-68	0.054352
-131.517	0.0600137	0.000700884	1.25156e-69	0.053739	1.5934e-67	0.0544399
-131.455	0.0558308	0.000730447	2.39468e-69	0.0537358	2.61769e-67	0.0544663
-131.25	0.057695	0.000836645	2.02623e-68	0.0537253	1.34314e-66	0.054562
-130.926	0.0572371	0.00103312	5.66016e-67	0.0537088	1.72808e-65	0.0547419
-130.627	0.0572437	0.00125269	1.20081e-65	0.0536935	1.80958e-64	0.0549462
-130.34	0.0530657	0.00150262	2.17204e-64	0.0536788	1.68419e-63	0.0551814
-130.327	0.0572502	0.00151475	2.46914e-64	0.0536781	1.85925e-63	0.0551929
-130.036	0.0544671	0.00181699	4.52177e-63	0.0536633	1.75568e-62	0.0554802
-129.732	0.0558685	0.00219093	9.11557e-62	0.0536477	1.79477e-61	0.0558386
-129.666	0.0530805	0.00228151	1.74959e-61	0.0536443	2.97478e-61	0.0559258
-129.428	0.0572699	0.00263437	1.77948e-60	0.0536322	1.7992e-60	0.0562665
-129.128	0.0572764	0.00315065	3.2289e-59	0.0536168	1.71323e-59	0.0567675
-128.829	0.057283	0.00375778	5.67858e-58	0.0536015	1.60064e-58	0.0573593
-128.561	0.0549643	0.00438796	7.15657e-57	0.0535878	1.15864e-57	0.0579758
-128.238	0.0545064	0.0052762	1.47728e-55	0.0535713	1.24022e-56	0.0588475
-128.176	0.0503236	0.00546456	2.63297e-55	0.0535681	1.95143e-56	0.0590327
-127.947	0.0517233	0.00621223	2.18907e-54	0.0535564	1.02964e-55	0.0597686
-127.639	0.0545195	0.00736367	3.67759e-53	0.0535406	9.48714e-55	0.0609043
-127.339	0.0545261	0.00866345	5.53667e-52	0.0535253	8.06436e-54	0.0621887

-127.326	0.0587106	0.00872314	6.21058e-52	0.0535246	8.83066e-54	0.0622478
-127.022	0.0601119	0.0102565	9.39921e-51	0.0535091	7.58299e-53	0.0637656
-127.01	0.0642964	0.0103259	1.05284e-50	0.0535084	8.29645e-53	0.0638344
-126.703	0.0663952	0.0121187	1.56994e-49	0.0534928	7.08497e-52	0.0656115
-126.689	0.0712771	0.0122126	1.78915e-49	0.053492	7.86068e-52	0.0657047
-126.376	0.0754682	0.0143365	2.72481e-48	0.0534761	6.87112e-51	0.0678125
-126.31	0.0726801	0.0148277	4.83945e-48	0.0534727	1.08639e-50	0.0683004
-126.072	0.0768696	0.0167083	3.72939e-47	0.0534605	5.55045e-50	0.0701688
-125.773	0.0768761	0.0193771	4.76817e-46	0.0534452	4.27176e-49	0.0728223
-125.636	0.0726949	0.020717	1.51364e-45	0.0534382	1.07951e-48	0.0741552
-125.473	0.0768826	0.0224105	5.90866e-45	0.0534299	3.22574e-48	0.0758404
-125.169	0.078284	0.0258996	7.34998e-44	0.0534143	2.45862e-47	0.0793139
-125.103	0.075496	0.0267214	1.26948e-43	0.0534109	3.82192e-47	0.0801323
-124.861	0.0810802	0.0299062	9.16549e-43	0.0533985	1.88989e-46	0.0833047
-124.557	0.0824816	0.034366	1.06863e-41	0.053383	1.38483e-45	0.087749
-124.544	0.0866661	0.0345652	1.18396e-41	0.0533823	1.50506e-45	0.0879475
-124.24	0.0880675	0.0396029	1.33492e-40	0.0533668	1.08059e-44	0.0929697
-124.227	0.092252	0.0398275	1.47692e-40	0.0533661	1.1734e-44	0.0931937
-123.919	0.0950482	0.045582	1.66477e-39	0.0533504	8.48233e-44	0.0989324
-123.853	0.0922602	0.0469091	2.7935e-39	0.053347	1.29561e-43	0.100256
-123.613	0.097147	0.0519697	1.78598e-38	0.0533347	5.92937e-43	0.105304
-123.523	0.102031	0.0539794	3.56131e-38	0.0533301	1.04521e-42	0.10731
-123.321	0.102965	0.05875	1.67226e-37	0.0533198	3.73139e-42	0.11207
-123.132	0.107618	0.0635073	6.98631e-37	0.0533101	1.21334e-41	0.116817
-123.115	0.113197	0.0639509	7.94188e-37	0.0533092	1.34884e-41	0.11726
-122.944	0.120175	0.0685512	2.86438e-36	0.0533005	3.89519e-41	0.121852
-122.877	0.117387	0.0704073	4.69925e-36	0.0532971	5.86857e-41	0.123704
-122.77	0.12785	0.0734788	1.03886e-35	0.0532916	1.13262e-40	0.12677
-122.664	0.138313	0.0766576	2.28748e-35	0.0532862	2.18066e-40	0.129944
-122.606	0.132735	0.0784256	3.5025e-35	0.0532832	3.10672e-40	0.131709
-122.497	0.143895	0.0818422	7.78534e-35	0.0532776	6.03685e-40	0.13512
-122.437	0.139015	0.0837742	1.20664e-34	0.0532745	8.6946e-40	0.137049
-122.33	0.149478	0.087303	2.62414e-34	0.0532691	1.6614e-39	0.140572
-122.27	0.144597	0.0893365	4.05296e-34	0.053266	2.38777e-39	0.142602
-122.122	0.152272	0.0945207	1.17983e-33	0.0532584	5.83062e-39	0.147779
-121.926	0.15925	0.101736	4.79086e-33	0.0532484	1.88524e-38	0.154985
-121.909	0.164829	0.102383	5.40734e-33	0.0532475	2.08667e-38	0.15563
-121.859	0.156462	0.104275	7.67696e-33	0.053245	2.79998e-38	0.15752
-121.604	0.174599	0.114487	4.63142e-32	0.053232	1.26874e-37	0.167719
-121.6	0.167625	0.11464	4.75257e-32	0.0532318	1.29663e-37	0.167872
-121.414	0.179485	0.122566	1.73675e-31	0.0532223	3.86775e-37	0.175788
-121.312	0.188553	0.127111	3.53085e-31	0.053217	7.0446e-37	0.180328
-121.252	0.183672	0.129829	5.33857e-31	0.0532139	9.99439e-37	0.183043
-121.103	0.191347	0.136729	1.47451e-30	0.0532063	2.36373e-36	0.189936

-120.97	0.202507	0.143195	3.66749e-30	0.0531995	5.12355e-36	0.196395
-120.912	0.19693	0.146059	5.42701e-30	0.0531965	7.14938e-36	0.199255
-120.761	0.205302	0.153695	1.49403e-29	0.0531888	1.6934e-35	0.206884
-120.627	0.216462	0.160737	3.6572e-29	0.053182	3.63511e-35	0.213919
-120.569	0.210885	0.163852	5.3746e-29	0.053179	5.05119e-35	0.217031
-120.402	0.224836	0.173105	1.62575e-28	0.0531705	1.30281e-34	0.226276
-120.398	0.217862	0.173313	1.6657e-28	0.0531703	1.33021e-34	0.226483
-120.227	0.233208	0.183189	5.12897e-28	0.0531615	3.49247e-34	0.236351
-120.139	0.229026	0.188349	9.04014e-28	0.053157	5.68619e-34	0.241506
-120.076	0.249948	0.192194	1.36724e-27	0.0531538	8.11942e-34	0.245348
-120.051	0.24158	0.193678	1.60087e-27	0.0531525	9.30158e-34	0.246831
-119.964	0.237398	0.19904	2.80667e-27	0.0531481	1.50953e-33	0.252188
-119.883	0.2639	0.204108	4.71548e-27	0.0531439	2.36282e-33	0.257252
-119.857	0.247861	0.205754	5.5675e-27	0.0531426	2.72758e-33	0.258897
-119.842	0.252743	0.206702	6.12354e-27	0.0531418	2.96157e-33	0.259844
-119.825	0.258322	0.20779	6.82669e-27	0.053141	3.25348e-33	0.260931
-119.699	0.275062	0.215956	1.52119e-26	0.0531345	6.51074e-33	0.269091
-119.656	0.264602	0.218792	1.99696e-26	0.0531323	8.24326e-33	0.271924
-119.641	0.269484	0.21978	2.19411e-26	0.0531316	8.94475e-33	0.272911
-119.47	0.276461	0.231343	6.43433e-26	0.0531228	2.27769e-32	0.284466
-119.457	0.289014	0.23226	6.99417e-26	0.0531221	2.44918e-32	0.285383
-119.453	0.282041	0.232515	7.15737e-26	0.0531219	2.49884e-32	0.285637
-119.323	0.300175	0.241607	1.61107e-25	0.0531153	5.06662e-32	0.294723
-119.265	0.294597	0.245721	2.30619e-25	0.0531123	6.92873e-32	0.298833
-119.122	0.316916	0.256074	5.56668e-25	0.053105	1.49683e-31	0.309179
-119.098	0.308548	0.257868	6.4653e-25	0.0531038	1.70634e-31	0.310971
-119.094	0.301575	0.258139	6.61311e-25	0.0531036	1.74044e-31	0.311243
-118.947	0.325289	0.269136	1.62419e-24	0.053096	3.82639e-31	0.322232
-118.904	0.314829	0.2724	2.10829e-24	0.0530938	4.81153e-31	0.325493
-118.889	0.319711	0.273536	2.30742e-24	0.0530931	5.2086e-31	0.326629
-118.718	0.326688	0.286795	6.46994e-24	0.0530843	1.29065e-30	0.339879
-118.701	0.332268	0.288134	7.16495e-24	0.0530835	1.41213e-30	0.341218
-118.684	0.337847	0.289478	7.93381e-24	0.0530826	1.54494e-30	0.34256
-118.667	0.343426	0.290825	8.78429e-24	0.0530817	1.69015e-30	0.343907
-118.496	0.350404	0.304567	2.43071e-23	0.053073	4.15448e-30	0.35764
-118.479	0.355983	0.305954	2.68827e-23	0.0530721	4.54186e-30	0.359026
-118.387	0.361564	0.313508	4.6229e-23	0.0530674	7.34257e-30	0.366575
-118.293	0.367842	0.321343	8.02571e-23	0.0530626	1.19808e-29	0.374406
-118.278	0.372724	0.322594	8.75591e-23	0.0530618	1.29446e-29	0.375656
-118.109	0.379004	0.336966	2.33839e-22	0.0530532	3.10309e-29	0.390019
-118.094	0.383886	0.338249	2.54871e-22	0.0530524	3.35076e-29	0.391302
-118.077	0.389466	0.339719	2.81207e-22	0.0530515	3.6579e-29	0.392771
-118.06	0.395045	0.341192	3.10233e-22	0.0530507	3.99295e-29	0.394243
-118.043	0.400624	0.342668	3.42221e-22	0.0530498	4.35842e-29	0.395718
-117.9	0.422943	0.3552	7.7727e-22	0.0530425	9.07346e-29	0.408243

-117.875	0.414575	0.357362	8.93417e-22	0.0530412	1.02783e-28	0.410403
-117.872	0.407602	0.357689	9.12408e-22	0.053041	1.04738e-28	0.41073
-117.681	0.420856	0.374771	2.68254e-21	0.0530313	2.75639e-28	0.427802
-117.673	0.448053	0.375506	2.80758e-21	0.0530309	2.87164e-28	0.428536
-117.666	0.425738	0.376125	2.91734e-21	0.0530305	2.97239e-28	0.429155
-117.649	0.431317	0.377675	3.21065e-21	0.0530297	3.23985e-28	0.430705
-117.632	0.436896	0.379228	3.53309e-21	0.0530288	3.53116e-28	0.432257
-117.615	0.442476	0.380784	3.88753e-21	0.0530279	3.84843e-28	0.433812
-117.472	0.464795	0.393972	8.64364e-21	0.0530206	7.90876e-28	0.446993
-117.446	0.448756	0.396389	9.98542e-21	0.0530193	9.00947e-28	0.449408
-117.431	0.453638	0.397778	1.08462e-20	0.0530185	9.70827e-28	0.450796
-117.414	0.459217	0.399368	1.19201e-20	0.0530177	1.05729e-27	0.452386
-117.243	0.466194	0.415505	3.0613e-20	0.0530089	2.48361e-27	0.468514
-117.237	0.492695	0.416072	3.16295e-20	0.0530086	2.5583e-27	0.46908
-117.226	0.471774	0.417125	3.36065e-20	0.053008	2.70297e-27	0.470133
-117.213	0.484327	0.418396	3.61519e-20	0.0530073	2.88812e-27	0.471404
-117.209	0.477353	0.418748	3.68889e-20	0.0530072	2.94152e-27	0.471755
-117.017	0.491305	0.437264	1.05001e-19	0.0529973	7.61686e-27	0.490261
-117.004	0.503858	0.438559	1.12844e-19	0.0529966	8.1338e-27	0.491555
-117	0.496884	0.438917	1.15114e-19	0.0529964	8.28283e-27	0.491913
-116.807	0.510836	0.457759	3.23098e-19	0.0529866	2.12656e-26	0.510746
-116.802	0.537336	0.458347	3.33524e-19	0.0529863	2.18931e-26	0.511333
-116.79	0.516415	0.45944	3.53776e-19	0.0529857	2.31075e-26	0.512426
-116.777	0.528968	0.460758	3.79802e-19	0.0529851	2.466e-26	0.513743
-116.773	0.521994	0.461123	3.87329e-19	0.0529849	2.51074e-26	0.514108
-116.585	0.534551	0.479851	1.0471e-18	0.0529752	6.25692e-26	0.532826
-116.568	0.54013	0.481557	1.14502e-18	0.0529744	6.79341e-26	0.534532
-116.551	0.54571	0.483265	1.25196e-18	0.0529735	7.37545e-26	0.536239
-116.534	0.551289	0.484975	1.36875e-18	0.0529726	8.00686e-26	0.537947
-116.517	0.556868	0.486686	1.49629e-18	0.0529718	8.69179e-26	0.539658
-116.374	0.579187	0.501127	3.14987e-18	0.0529644	1.7278e-25	0.554092
-116.35	0.570819	0.503603	3.57393e-18	0.0529632	1.94187e-25	0.556566
-116.346	0.563846	0.503977	3.64275e-18	0.052963	1.97644e-25	0.55694
-116.28	0.561058	0.510728	5.13084e-18	0.0529596	2.71399e-25	0.563687
-116.165	0.598718	0.52246	9.24869e-18	0.0529537	4.68835e-25	0.575413
-116.154	0.577797	0.523592	9.78625e-18	0.0529532	4.94104e-25	0.576545
-116.14	0.59035	0.524958	1.04752e-17	0.0529525	5.26353e-25	0.57791
-116.137	0.583377	0.525336	1.0674e-17	0.0529523	5.35636e-25	0.578288
-115.944	0.597328	0.54511	2.82763e-17	0.0529425	1.3277e-24	0.598052
-115.927	0.602908	0.546865	3.08032e-17	0.0529416	1.43821e-24	0.599807
-115.91	0.608487	0.548621	3.35524e-17	0.0529407	1.55783e-24	0.601562
-115.893	0.614066	0.550378	3.65434e-17	0.0529398	1.68729e-24	0.603318
-115.876	0.619645	0.552136	3.9797e-17	0.052939	1.8274e-24	0.605075
-115.704	0.634991	0.569895	9.35184e-17	0.0529302	4.0707e-24	0.622825

-115.701	0.628018	0.570277	9.52404e-17	0.05293	4.14108e-24	0.623207
-115.634	0.62523	0.577158	1.3216e-16	0.0529266	5.63507e-24	0.630085
-115.513	0.640575	0.589784	2.40003e-16	0.0529204	9.88824e-24	0.642704
-115.496	0.646154	0.59155	2.60783e-16	0.0529195	1.06947e-23	0.64447
-115.479	0.651733	0.593316	2.83332e-16	0.0529186	1.15661e-23	0.646235
-115.462	0.657312	0.595083	3.07801e-16	0.0529178	1.25079e-23	0.648001
-115.445	0.662892	0.596849	3.34349e-16	0.0529169	1.35254e-23	0.649766
-115.319	0.679631	0.609915	6.14778e-16	0.0529104	2.40817e-23	0.662826
-115.278	0.668474	0.61415	7.48157e-16	0.0529084	2.90154e-23	0.667058
-115.261	0.674054	0.615914	8.118e-16	0.0529075	3.13551e-23	0.668821
-115.101	0.701952	0.632469	1.74019e-15	0.0528993	6.48037e-23	0.685369
-115.092	0.680334	0.633392	1.81543e-15	0.0528988	6.74745e-23	0.686291
-115.077	0.685216	0.63493	1.94799e-15	0.0528981	7.217e-23	0.687828
-115.06	0.690795	0.636687	2.11118e-15	0.0528972	7.79332e-23	0.689584
-115.043	0.696374	0.638443	2.28782e-15	0.0528963	8.41514e-23	0.69134
-114.875	0.710325	0.655661	5.01447e-15	0.0528878	1.78433e-22	0.708549
-114.872	0.703352	0.65604	5.10137e-15	0.0528876	1.81401e-22	0.708927
-114.69	0.738224	0.674556	1.18008e-14	0.0528783	4.06625e-22	0.727434
-114.681	0.716606	0.675465	1.22953e-14	0.0528779	4.23055e-22	0.728343
-114.666	0.721488	0.676978	1.31651e-14	0.0528771	4.5191e-22	0.729855
-114.649	0.727067	0.678706	1.42333e-14	0.0528762	4.87276e-22	0.731582
-114.632	0.732646	0.680433	1.53867e-14	0.0528754	5.25378e-22	0.733308
-114.461	0.739624	0.697685	3.34807e-14	0.0528666	1.11582e-21	0.750552
-114.448	0.752177	0.699022	3.55571e-14	0.0528659	1.18298e-21	0.751888
-114.444	0.745203	0.699391	3.61534e-14	0.0528657	1.20226e-21	0.752257
-114.28	0.774496	0.715745	7.54693e-14	0.0528573	2.46212e-21	0.768603
-114.254	0.758457	0.71831	8.47046e-14	0.052856	2.756e-21	0.771166
-114.239	0.763339	0.719779	9.04957e-14	0.0528552	2.94001e-21	0.772634
-114.222	0.768919	0.721456	9.75912e-14	0.0528544	3.16521e-21	0.77431
-114.079	0.791238	0.735437	1.83255e-13	0.052847	5.86959e-21	0.788284
-114.055	0.774501	0.737748	2.03406e-13	0.0528458	6.50318e-21	0.790594
-114.038	0.780081	0.739396	2.19115e-13	0.052845	6.99669e-21	0.792241
-114.021	0.78566	0.741041	2.36014e-13	0.0528441	7.52718e-21	0.793885
-113.852	0.79194	0.7572	4.90679e-13	0.0528354	1.54955e-20	0.810036
-113.837	0.796822	0.75861	5.23135e-13	0.0528347	1.65092e-20	0.811444
-113.82	0.802401	0.760218	5.6281e-13	0.0528338	1.7748e-20	0.813052
-113.803	0.80798	0.761822	6.05433e-13	0.0528329	1.90787e-20	0.814655
-113.711	0.813561	0.770427	8.96424e-13	0.0528282	2.81606e-20	0.823255
-113.619	0.819142	0.778928	1.32337e-12	0.0528235	4.14914e-20	0.831751
-113.602	0.824722	0.78049	1.4219e-12	0.0528227	4.457e-20	0.833313
-113.51	0.830303	0.78886	2.09182e-12	0.052818	6.55295e-20	0.841678
-113.493	0.835882	0.790397	2.24611e-12	0.0528171	7.0364e-20	0.843214
-113.397	0.842858	0.799006	3.35144e-12	0.0528122	1.05078e-19	0.851819
-113.301	0.849834	0.807481	4.98463e-12	0.0528072	1.56611e-19	0.860288
-113.205	0.856809	0.815814	7.38983e-12	0.0528023	2.32961e-19	0.868616

-113.188	0.862389	0.817273	7.92053e-12	0.0528015	2.49872e-19	0.870075
-113.174	0.874942	0.818413	8.36215e-12	0.0528008	2.63962e-19	0.871214
-113.171	0.867968	0.818728	8.4885e-12	0.0528006	2.67995e-19	0.871529
-112.983	0.880525	0.834487	1.8124e-11	0.052791	5.78586e-19	0.887278
-112.966	0.886104	0.835883	1.94001e-11	0.0527901	6.20091e-19	0.888673
-112.84	0.902844	0.846055	3.19961e-11	0.0527836	1.03341e-18	0.898839
-112.815	0.894476	0.847992	3.52296e-11	0.0527824	1.14044e-18	0.900774
-112.728	0.890293	0.854815	4.95939e-11	0.0527779	1.61956e-18	0.907593
-112.664	0.911216	0.859724	6.36137e-11	0.0527747	2.09215e-18	0.912499
-112.621	0.900756	0.862985	7.51632e-11	0.0527725	2.48459e-18	0.915757
-112.606	0.905638	0.864106	7.96248e-11	0.0527717	2.63686e-18	0.916878
-112.463	0.927957	0.874643	1.3796e-10	0.0527644	4.65635e-18	0.927408
-112.437	0.911918	0.876511	1.5232e-10	0.0527631	5.16034e-18	0.929274
-112.422	0.9168	0.877577	1.61208e-10	0.0527623	5.47343e-18	0.930339
-112.405	0.92238	0.878788	1.71986e-10	0.0527614	5.85424e-18	0.93155
-112.238	0.936331	0.890373	3.23247e-10	0.0527529	1.13055e-17	0.943126
-112.234	0.929357	0.890622	3.27736e-10	0.0527527	1.14698e-17	0.943374
-112.168	0.926569	0.89504	4.1976e-10	0.0527493	1.48655e-17	0.94779
-112.046	0.950282	0.902918	6.59502e-10	0.052743	2.39086e-17	0.955661
-112.042	0.943309	0.90315	6.68497e-10	0.0527428	2.42526e-17	0.955893
-111.975	0.940521	0.907276	8.52402e-10	0.0527394	3.13477e-17	0.960015
-111.912	0.961443	0.911145	1.07523e-09	0.0527362	4.00852e-17	0.963881
-111.854	0.955865	0.914569	1.3256e-09	0.0527332	5.00579e-17	0.967302
-111.686	0.969816	0.92401	2.41262e-09	0.0527247	9.4798e-17	0.976734
-111.683	0.962843	0.92421	2.4444e-09	0.0527245	9.61348e-17	0.976934
-111.552	0.980977	0.931057	3.86812e-09	0.0527178	1.57328e-16	0.983775
-111.494	0.975399	0.933961	4.73441e-09	0.0527148	1.95606e-16	0.986676
-111.327	0.989351	0.941866	8.43818e-09	0.0527063	3.65745e-16	0.994572
-111.323	0.982377	0.942032	8.54538e-09	0.0527061	3.70798e-16	0.994738
-111.193	1.00051	0.947653	1.3304e-08	0.0526994	6.00841e-16	1.00035
-111.133	0.995631	0.950088	1.6282e-08	0.0526964	7.49592e-16	1.00278
-111.009	1.01167	0.954801	2.46055e-08	0.05269	1.18043e-15	1.00749
-110.966	1.00121	0.956338	2.83615e-08	0.0526878	1.3809e-15	1.00903
-110.951	1.0061	0.956858	2.97882e-08	0.0526871	1.4579e-15	1.00954
-110.801	1.01447	0.96176	4.86795e-08	0.0526794	2.51473e-15	1.01444
-110.626	1.02284	0.966663	8.54566e-08	0.0526704	4.71997e-15	1.01933
-110.538	1.01866	0.968769	1.12571e-07	0.0526659	6.43766e-15	1.02143
-110.434	1.02842	0.971007	1.56227e-07	0.0526606	9.32855e-15	1.02367
-110.342	1.034	0.972708	2.07665e-07	0.0526559	1.28951e-14	1.02536
-110.121	1.03261	0.975769	4.06054e-07	0.0526446	2.78267e-14	1.02841
-110.104	1.03819	0.975945	4.27332e-07	0.0526437	2.95169e-14	1.02859
-109.805	1.0382	0.977634	1.03276e-06	0.0526284	8.24931e-14	1.03026
-109.792	1.04238	0.977646	1.07159e-06	0.0526278	8.61499e-14	1.03028
-109.492	1.04239	0.976536	2.50673e-06	0.0526124	2.36045e-13	1.02915

-109.201	1.03961	0.972893	5.55517e-06	0.0525975	6.1715e-13	1.0255
-109.139	1.03542	0.971791	6.55849e-06	0.0525944	7.55918e-13	1.02439
-108.923	1.03264	0.967074	1.1565e-05	0.0525833	1.52122e-12	1.01967
-108.91	1.03682	0.966753	1.19528e-05	0.0525826	1.58487e-12	1.01935
-108.651	1.03172	0.959226	2.30577e-05	0.0525694	3.61352e-12	1.01182
-108.565	1.02707	0.956317	2.85081e-05	0.052565	4.73119e-12	1.00891
-108.37	1.02568	0.948914	4.58197e-05	0.052555	8.69888e-12	1.00151
-108.3	1.01592	0.946005	5.41408e-05	0.0525514	1.08e-11	0.99861
-108.212	1.0201	0.942178	6.65491e-05	0.0525469	1.41364e-11	0.994791
-108.171	1.00895	0.940324	7.31996e-05	0.0525448	1.60169e-11	0.992942
-108.079	1.01453	0.935992	9.05023e-05	0.0525401	2.11866e-11	0.988622
-107.98	1.00616	0.931063	0.000113441	0.0525351	2.86036e-11	0.983712
-107.914	0.995004	0.927657	0.000131517	0.0525317	3.48602e-11	0.98032
-107.822	1.00059	0.922715	0.000161272	0.052527	4.58817e-11	0.975403
-107.723	0.992219	0.917139	0.000200358	0.0525219	6.16098e-11	0.969862
-107.67	0.976878	0.914061	0.000224673	0.0525192	7.20563e-11	0.966805
-107.657	0.981062	0.91331	0.000230919	0.0525185	7.48174e-11	0.96606
-107.565	0.986643	0.907788	0.000280842	0.0525138	9.79803e-11	0.960583
-107.537	0.971302	0.90606	0.000297975	0.0525124	1.06359e-10	0.958871
-107.466	0.978277	0.901598	0.00034582	0.0525088	1.30858e-10	0.954452
-107.341	0.969911	0.893531	0.000446544	0.0525024	1.87405e-10	0.946479
-107.335	0.963635	0.893144	0.000451859	0.0525021	1.90567e-10	0.946098
-107.288	0.95457	0.88998	0.000497221	0.0524997	2.18245e-10	0.942977
-107.2	0.958756	0.883977	0.000592595	0.0524952	2.80351e-10	0.937065
-107.101	0.95039	0.876978	0.000720568	0.0524901	3.71568e-10	0.930188
-107.097	0.943417	0.876714	0.000725772	0.0524899	3.75461e-10	0.929929
-107.065	0.92947	0.874386	0.000772892	0.0524883	4.11344e-10	0.927647
-107.052	0.933654	0.873461	0.000792244	0.0524876	4.26408e-10	0.926741
-106.96	0.939235	0.866705	0.000945061	0.0524829	5.5189e-10	0.920133
-106.872	0.919014	0.860069	0.00111601	0.0524784	7.05476e-10	0.913664
-106.861	0.930869	0.859214	0.00113965	0.0524778	7.27773e-10	0.912832
-106.857	0.923895	0.858932	0.00114753	0.0524777	7.3526e-10	0.912558
-106.842	0.904369	0.857758	0.00118077	0.0524769	7.6717e-10	0.911416
-106.829	0.908554	0.856776	0.00120914	0.0524762	7.94787e-10	0.910462
-106.737	0.914135	0.849615	0.00143211	0.0524715	1.02422e-09	0.903519
-106.638	0.905769	0.841702	0.00171372	0.0524664	1.34431e-09	0.895882
-106.634	0.898795	0.841404	0.00172507	0.0524662	1.3579e-09	0.895596
-106.531	0.891824	0.832956	0.00207235	0.0524609	1.79902e-09	0.887489
-106.42	0.870905	0.823699	0.00251186	0.0524553	2.42556e-09	0.878666
-106.407	0.883458	0.822572	0.00256987	0.0524546	2.51382e-09	0.877597
-106.403	0.876484	0.82226	0.00258612	0.0524544	2.53878e-09	0.877301
-106.358	0.866722	0.818424	0.00279234	0.0524521	2.86421e-09	0.873669
-106.332	0.858819	0.816214	0.00291675	0.0524508	3.0683e-09	0.871582
-106.25	0.852777	0.809175	0.00334153	0.0524466	3.8087e-09	0.864963
-106.225	0.844874	0.806921	0.00348705	0.0524453	4.0777e-09	0.862854

-106.19	0.823489	0.803884	0.00369079	0.0524435	4.4674e-09	0.860018
-106.177	0.827673	0.802759	0.00376851	0.0524429	4.62007e-09	0.858971
-106.143	0.838832	0.799748	0.00398275	0.0524411	5.05231e-09	0.856172
-106.085	0.833254	0.79459	0.00437124	0.0524382	5.87865e-09	0.851399
-105.986	0.824888	0.78563	0.00511416	0.0524331	7.61079e-09	0.843177
-105.982	0.817915	0.785295	0.00514372	0.0524329	7.68383e-09	0.842871
-105.954	0.802573	0.782735	0.0053737	0.0524315	8.26279e-09	0.84054
-105.862	0.808154	0.774283	0.00618883	0.0524268	1.04682e-08	0.832898
-105.845	0.813733	0.772706	0.00635077	0.0524259	1.09348e-08	0.831483
-105.834	0.792812	0.771679	0.00645795	0.0524253	1.12489e-08	0.830562
-105.763	0.799788	0.765033	0.00718503	0.0524217	1.34892e-08	0.82464
-105.639	0.791422	0.753293	0.00861878	0.0524153	1.84719e-08	0.814327
-105.635	0.784448	0.752942	0.00866474	0.0524151	1.86441e-08	0.814021
-105.586	0.776081	0.748228	0.00929972	0.0524126	2.1104e-08	0.80994
-105.573	0.780266	0.747004	0.00947007	0.0524119	2.17896e-08	0.808886
-105.461	0.767715	0.736248	0.0110702	0.0524062	2.87649e-08	0.799725
-105.39	0.774691	0.729314	0.0122032	0.0524026	3.43003e-08	0.79392
-105.264	0.76679	0.716964	0.0144308	0.0523962	4.66727e-08	0.783791
-105.183	0.760748	0.708892	0.0160395	0.052392	5.68784e-08	0.777323
-104.992	0.757962	0.689739	0.0203724	0.0523822	9.00004e-08	0.762493
-104.922	0.748201	0.682659	0.0221674	0.0523786	1.06277e-07	0.757205
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-104.789	0.742625	0.669167	0.0258919	0.0523718	1.45207e-07	0.747431
-104.701	0.746811	0.66021	0.0285915	0.0523674	1.78073e-07	0.741169
-104.656	0.737049	0.655587	0.0300571	0.052365	1.97659e-07	0.73801
-104.568	0.741235	0.646581	0.0330566	0.0523606	2.41799e-07	0.731999
-104.469	0.732869	0.636349	0.0366984	0.0523555	3.03218e-07	0.725403
-104.399	0.723107	0.629111	0.0394258	0.0523519	3.55288e-07	0.720889
-104.311	0.727293	0.620041	0.0430213	0.0523474	4.32559e-07	0.71541
-104.266	0.717531	0.615369	0.0449505	0.0523451	4.78352e-07	0.712665
-104.178	0.721717	0.606281	0.0488513	0.0523406	5.80955e-07	0.707473
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-103.913	0.710565	0.578731	0.0618389	0.052327	1.03627e-06	0.692898
-103.795	0.700107	0.566514	0.0681229	0.052321	1.3334e-06	0.686959
-103.78	0.704989	0.564971	0.0689373	0.0523202	1.37627e-06	0.68623
-103.529	0.697091	0.539102	0.083221	0.0523074	2.32701e-06	0.674633
-103.373	0.69105	0.523053	0.0925665	0.0522994	3.20778e-06	0.667923
-103.272	0.683149	0.512764	0.0986904	0.0522943	3.93398e-06	0.663753
-103.221	0.667343	0.507507	0.101846	0.0522916	4.36423e-06	0.661649
-103.149	0.674318	0.500278	0.106202	0.052288	5.03117e-06	0.658772
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-102.884	0.654798	0.473623	0.122201	0.0522744	8.46049e-06	0.648108
-102.867	0.660377	0.471926	0.123205	0.0522736	8.7433e-06	0.647413
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-102.752	0.649222	0.460434	0.129903	0.0522676	1.09162e-05	0.642616
-102.723	0.63388	0.45766	0.13149	0.0522662	1.15153e-05	0.641427
-102.652	0.640856	0.450652	0.135434	0.0522626	1.31759e-05	0.638361
-102.528	0.63249	0.438516	0.141999	0.0522562	1.66249e-05	0.632788
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-102.387	0.621335	0.424924	0.14885	0.052249	2.15473e-05	0.626044
-102.37	0.626914	0.423292	0.14963	0.0522481	2.22277e-05	0.625192
-102.288	0.612969	0.415436	0.153244	0.0522439	2.58093e-05	0.62095
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-102.164	0.604603	0.403688	0.15816	0.0522376	3.22545e-05	0.614118
-102.111	0.589262	0.398717	0.160044	0.0522349	3.54398e-05	0.611031
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-101.915	0.587872	0.38064	0.165773	0.0522249	4.98835e-05	0.598687
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-101.02	0.529312	0.303239	0.164303	0.0521791	0.000215135	0.519937
-100.9919	0.513971	0.300964	0.163517	0.0521776	0.000224617	0.516883
-100.9207	0.520946	0.295239	0.161343	0.052174	0.000250386	0.509006
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-98.4227	0.226711	0.136453	0.0330123	0.0520462	0.00572531	0.227237
-98.335	0.230897	0.132346	0.0300156	0.0520417	0.00623858	0.220642
-98.2941	0.21974	0.130464	0.0286874	0.0520396	0.00648964	0.217681
-98.2022	0.225321	0.126303	0.0258547	0.0520349	0.00708294	0.211276
-98.1029	0.216955	0.121922	0.0230319	0.0520299	0.00776929	0.204753
-98.0971	0.210678	0.121669	0.022874	0.0520296	0.00781099	0.204383
-97.9942	0.203474	0.117261	0.0202151	0.0520243	0.00857626	0.198076
-97.9128	0.197432	0.113858	0.0182832	0.0520201	0.0092203	0.193382
-97.8549	0.191855	0.111486	0.0169995	0.0520172	0.009699	0.190202
-97.8268	0.176513	0.110349	0.0164025	0.0520157	0.00993765	0.188705
-97.814	0.180698	0.109835	0.0161366	0.0520151	0.0100475	0.188034
-97.7221	0.186279	0.106188	0.0143215	0.0520104	0.0108641	0.183384
-97.6227	0.177912	0.102355	0.0125478	0.0520053	0.0117971	0.178705
-97.4799	0.167455	0.0970312	0.0103121	0.051998	0.0132331	0.172574
-97.465	0.172337	0.0964888	0.0100991	0.0519972	0.0133893	0.171974
-97.2164	0.155605	0.0877847	0.00704858	0.0519845	0.016171	0.162989
-97.2158	0.163974	0.0877656	0.00704262	0.0519845	0.0161777	0.16297
-97.058	0.158398	0.0825729	0.00554299	0.0519764	0.0181132	0.158205
-97.0129	0.148636	0.0811338	0.00516789	0.0519741	0.01869	0.156966
-96.9252	0.152822	0.0783946	0.00450086	0.0519696	0.0198395	0.154705
-96.7924	0.147246	0.0743876	0.00363229	0.0519628	0.0216494	0.151632
-96.7303	0.143063	0.0725701	0.00327862	0.0519596	0.0225232	0.150332
-96.5248	0.144928	0.0668154	0.0023145	0.0519491	0.025522	0.146601
-96.3642	0.140282	0.0625799	0.00174494	0.0519409	0.0279673	0.144233
-96.2016	0.14447	0.0585184	0.00129902	0.0519326	0.0305114	0.142261
-95.902	0.144476	0.0516017	0.000736113	0.0519173	0.0353003	0.139555
-95.6023	0.144483	0.0453776	0.000404292	0.051902	0.0400717	0.137756
-95.3112	0.1417	0.039945	0.000219198	0.0518871	0.0445067	0.136558
-95.0436	0.139381	0.0354462	0.000121669	0.0518734	0.048245	0.135686
-94.9579	0.134734	0.0340996	0.000100234	0.051869	0.049349	0.135418
-94.7289	0.136134	0.0307131	5.89749e-05	0.0518573	0.0520261	0.134655
-94.4613	0.133815	0.0271243	3.10064e-05	0.0518436	0.0545661	0.133565
-94.1423	0.131962	0.0233234	1.39476e-05	0.0518273	0.0566235	0.131788
-93.8469	0.130574	0.0202238	6.44836e-06	0.0518122	0.0574832	0.129526
-93.5558	0.127791	0.0175262	2.92628e-06	0.0517973	0.0572981	0.126625
-93.4936	0.123608	0.0169931	2.46271e-06	0.0517941	0.0571257	0.125915
-93.2774	0.120823	0.0152472	1.33735e-06	0.051783	0.0561711	0.123203
-93.2646	0.125008	0.0151492	1.28933e-06	0.0517824	0.0560978	0.123031
-92.982	0.119435	0.0131178	5.65669e-07	0.0517679	0.0540214	0.118908
-92.9199	0.115252	0.0127049	4.70186e-07	0.0517647	0.0534539	0.117924
-92.7229	0.114326	0.0114713	2.59398e-07	0.0517547	0.0514161	0.114642
-92.6372	0.109679	0.0109685	1.99404e-07	0.0517503	0.0504243	0.113143
-92.4403	0.108754	0.00988668	1.07898e-07	0.0517402	0.0479338	0.109561
-92.3546	0.104106	0.00944637	8.22468e-08	0.0517358	0.0467687	0.107951
-92.1576	0.103181	0.00850015	4.365e-08	0.0517258	0.043938	0.104164

-91.8472	0.0985385	0.00717996	1.56446e-08	0.0517099	0.0391612	0.098051
-91.5839	0.094825	0.00620777	6.38171e-09	0.0516964	0.034955	0.0928592
-91.2941	0.0915769	0.00527658	2.31404e-09	0.0516816	0.0303286	0.0872867
-91.1364	0.0860014	0.00482443	1.31557e-09	0.0516735	0.0278631	0.0843611
-91.0014	0.0811228	0.00446591	8.0609e-10	0.0516666	0.0258061	0.0819387
-90.9414	0.0762425	0.00431436	6.4696e-10	0.0516635	0.0249098	0.0808877
-90.7124	0.0776423	0.00377802	2.76349e-10	0.0516518	0.0216147	0.0770445
-90.4213	0.0748592	0.0031839	9.12726e-11	0.0516369	0.01776	0.0725809
-90.1537	0.0725404	0.00271439	3.21247e-11	0.0516233	0.0145937	0.0689313
-89.8625	0.0697573	0.00227617	1.00259e-11	0.0516084	0.0115852	0.0654697
-89.7768	0.0651101	0.00216015	7.07665e-12	0.051604	0.0107871	0.0645513
-89.5799	0.0641846	0.0019138	3.14729e-12	0.0515939	0.00910159	0.0626093
-89.4942	0.0595373	0.0018149	2.20281e-12	0.0515895	0.00843128	0.0618357
-89.2987	0.0581468	0.00160662	9.66693e-13	0.0515795	0.00703993	0.0602261
-89.2158	0.0525697	0.00152519	6.79133e-13	0.0515753	0.00650599	0.0596065
-89.0146	0.053039	0.00134306	2.85317e-13	0.051565	0.00533965	0.0582477
-88.9289	0.0483918	0.00127176	1.96356e-13	0.0515606	0.00489593	0.0577283
-88.6999	0.0497915	0.00109806	7.14404e-14	0.0515489	0.00385338	0.0565003
-88.4224	0.0507274	0.000917064	2.04726e-14	0.0515347	0.00284021	0.055292
-88.2334	0.0553806	0.000810107	8.60775e-15	0.051525	0.00228598	0.0546211
-87.9559	0.0563165	0.000673898	2.35799e-15	0.0515108	0.00163937	0.0538241
-87.7648	0.0616672	0.000592847	9.51724e-16	0.0515011	0.00129158	0.0533855
-87.675	0.0665507	0.000557984	6.18636e-16	0.0514965	0.00115159	0.053206
-87.4502	0.0665557	0.000478949	2.07949e-16	0.051485	0.00085777	0.0528217
-87.4374	0.0707402	0.000474788	1.95356e-16	0.0514843	0.000843263	0.0528024
-87.1293	0.0735364	0.00038406	4.25184e-17	0.0514686	0.000552886	0.0524055
-87.0629	0.0707483	0.000366766	3.04791e-17	0.0514652	0.00050349	0.0523354
-86.8381	0.0707533	0.000313493	9.76617e-18	0.0514537	0.000364263	0.0521314
-86.8254	0.0749377	0.000310695	9.14978e-18	0.051453	0.00035751	0.0521212
-86.5342	0.0721546	0.000252922	2.03789e-18	0.0514381	0.000231171	0.0519222
-86.2388	0.0707663	0.00020473	4.30838e-19	0.051423	0.000145829	0.0517736
-85.9755	0.0670528	0.000169185	1.05095e-19	0.0514095	9.52161e-05	0.0516739
-85.6843	0.0642697	0.000136686	2.14752e-20	0.0513946	5.84258e-05	0.0515898
-85.5986	0.0596224	0.000128305	1.33814e-20	0.0513903	5.04298e-05	0.051569
-85.4031	0.058232	0.000110963	4.50454e-21	0.0513803	3.58373e-05	0.0515271
-85.3202	0.0526548	0.000104303	2.82821e-21	0.051376	3.09317e-05	0.0515113
-85.1276	0.0503345	9.02484e-05	9.49415e-22	0.0513662	2.18423e-05	0.0514783
-85.0461	0.0442924	8.48637e-05	5.96203e-22	0.051362	1.88106e-05	0.0514657
-84.8464	0.0442968	7.29141e-05	1.8858e-22	0.0513518	1.29609e-05	0.0514377
-84.7635	0.0387196	6.84413e-05	1.16515e-22	0.0513475	1.1078e-05	0.0514271
-84.543	0.0373297	5.77716e-05	3.19802e-23	0.0513363	7.24399e-06	0.0514013
-84.5302	0.0415142	5.72047e-05	2.96577e-23	0.0513356	7.06572e-06	0.0513999
-84.2433	0.0373362	4.57768e-05	5.37004e-24	0.0513209	4.00025e-06	0.0513707
-84.2306	0.0415207	4.53223e-05	4.97341e-24	0.0513203	3.89865e-06	0.0513695

-83.9352	0.0401325	3.59303e-05	8.29655e-25	0.0513052	2.12941e-06	0.0513432
-83.9224	0.0443169	3.55692e-05	7.67325e-25	0.0513045	2.0736e-06	0.0513422
-83.6355	0.040139	2.8312e-05	1.30753e-25	0.0512898	1.13142e-06	0.0513193
-83.6227	0.0443235	2.80242e-05	1.20769e-25	0.0512892	1.10087e-06	0.0513183
-83.3359	0.0401455	2.22478e-05	1.99725e-26	0.0512745	5.89834e-07	0.0512974
-83.3231	0.04433	2.20191e-05	1.84228e-26	0.0512739	5.73444e-07	0.0512965
-83.0362	0.0401521	1.74345e-05	2.95688e-27	0.0512592	3.01704e-07	0.0512769
-83.0234	0.0443366	1.72532e-05	2.72383e-27	0.0512585	2.93083e-07	0.0512761
-82.7323	0.0415535	1.35772e-05	4.12651e-28	0.0512436	1.49922e-07	0.0512574
-82.7195	0.045738	1.34344e-05	3.79615e-28	0.051243	1.45518e-07	0.0512566
-82.4113	0.0485342	1.03942e-05	4.98034e-29	0.0512272	7.01315e-08	0.0512377
-82.1032	0.0513304	8.01865e-06	6.32144e-30	0.0512115	3.31267e-08	0.0512195
-82.0368	0.0485424	7.57975e-06	4.0344e-30	0.0512081	2.81092e-08	0.0512157
-81.812	0.0485473	6.2586e-06	8.72386e-31	0.0511966	1.6011e-08	0.0512028
-81.7992	0.0527318	6.19058e-06	7.99266e-31	0.0511959	1.55021e-08	0.0512021
-81.5317	0.0504131	4.91785e-06	1.25992e-31	0.0511822	7.81603e-09	0.0511872
-81.2419	0.047165	3.82364e-06	1.65739e-32	0.0511674	3.66066e-09	0.0511712
-81.1591	0.0415879	3.55642e-06	9.22893e-33	0.0511632	2.93715e-09	0.0511667
-80.9593	0.0415922	2.98388e-06	2.22763e-33	0.051153	1.71697e-09	0.0511559
-80.8722	0.0374099	2.76294e-06	1.19332e-33	0.0511485	1.35499e-09	0.0511513
-80.6538	0.0353226	2.27607e-06	2.46739e-34	0.0511373	7.43247e-10	0.0511396
-80.3563	0.0346317	1.74364e-06	2.80494e-35	0.0511221	3.22637e-10	0.0511239
-80.0651	0.0318486	1.3399e-06	3.24278e-36	0.0511072	1.40021e-10	0.0511086
-79.7697	0.0304603	1.02297e-06	3.52462e-37	0.0510921	5.89394e-11	0.0510931
-79.4701	0.0304669	7.75857e-07	3.59699e-38	0.0510768	2.4044e-11	0.0510776
-79.1619	0.0332631	5.8216e-07	3.33002e-39	0.051061	9.37423e-12	0.0510616
-78.858	0.0346645	4.37311e-07	3.08436e-40	0.0510455	3.63046e-12	0.0510459
-78.5583	0.034671	3.28909e-07	2.86209e-41	0.0510301	1.3978e-12	0.0510305
-78.2587	0.0346775	2.46699e-07	2.57409e-42	0.0510148	5.28044e-13	0.0510151
-77.9654	0.0325918	1.8568e-07	2.36431e-43	0.0509998	1.99945e-13	0.051
-77.6721	0.0305062	1.39386e-07	2.10757e-44	0.0509848	7.43434e-14	0.050985
-77.3725	0.0305127	1.03701e-07	1.72811e-45	0.0509695	2.65493e-14	0.0509696
-77.0685	0.0319141	7.66127e-08	1.32453e-46	0.0509539	9.16386e-15	0.050954
-76.7689	0.0319206	5.66837e-08	1.01977e-47	0.0509386	3.14963e-15	0.0509387