

FIO2	FICO2	PEPRS	PIPRS	MICO2	TINT1	TINT2
FRAC	FRAC	CMH2O	CMH2O	FRAC	DEGC	DEGC
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0.2365	0.0105	0.1242	-4.4452	0.0077	23.2785	22.9885
0.4957	0.0018	36.3258	-104.0108	-0.0003	14.5225	22.3958
0.4607	0.0023	39.6921	-42.8101	-0.0004	15.7495	22.5435
0.4796	0.0023	39.0851	-42.9205	-0.0004	15.8996	22.6223
0.4955	0.0025	39.1955	-43.7483	-0.0002	16.2775	22.6617
0.5078	0.0025	40.851	-43.8034	-0.0001	17.7218	22.6272
0.5173	0.0024	40.1888	-45.1279	-0.0003	22.7693	23.9077
0.5229	0.0027	43.2792	-45.0727	-0.0002	27.7908	28.4534
0.5244	0.0027	43.6655	-45.7349	-0.0002	32.8641	33.4522
0.5239	0.0027	42.3962	-46.342	-0.0002	36.1359	36.6977
0.522	0.0027	42.0099	-46.4523	-0.0003	37.8184	38.515
0.5211	0.003	41.7892	-46.6179	-0.0001	39.2368	40.0319
0.5191	0.0028	41.8444	-47.2801	-0.0001	40.2153	41.007
0.5163	0.0029	41.3477	-46.8938	-0.0001	40.9038	41.731
0.513	0.003	41.5684	-47.3905	0	41.5871	42.3909
0.509	0.003	41.0166	-47.2801	0	42.0686	42.8538
0.5051	0.0031	40.7958	-47.2801	-0.0001	42.3844	43.2183
0.5012	0.0032	40.244	-47.0594	0	42.607	43.5187
0.4961	0.0032	39.9681	-47.0042	0.0001	42.8554	43.7255
0.4908	0.0033	40.4095	-47.556	0.0001	43.0056	43.8437
0.4848	0.0033	39.7473	-47.6112	0.0001	43.0729	43.9669
0.4786	0.0034	39.4714	-48.0527	0.0003	43.2178	44.1097
0.4728	0.0035	39.8025	-47.6112	0.0004	43.2799	44.2131
0.4659	0.0036	38.8643	-47.9975	0.0004	43.2334	44.1934
0.4595	0.0037	39.0299	-48.1079	0.0005	43.2592	44.2476
0.4527	0.0037	38.0366	-47.9975	0.0005	43.2851	44.2722
0.446	0.0037	37.5951	-47.8872	0.0005	43.2903	44.223
0.4392	0.0038	37.7054	-48.3838	0.0006	43.3214	44.2673
0.4319	0.004	36.4914	-48.6598	0.0007	43.2903	44.1786
0.4249	0.0041	36.4362	-48.1631	0.0009	43.28	44.223
0.4178	0.0041	35.9395	-48.3838	0.0009	43.2644	44.1737
0.4096	0.0043	36.6017	-48.2735	0.0012	43.1764	44.0801
0.4019	0.0044	36.2706	-48.8253	0.0013	43.0781	43.957
0.3937	0.0045	36.2706	-48.8253	0.0013	42.8554	43.7797

0.3856	0.0047	36.6569	-48.439	0.0015	42.6639	43.5384
0.3769	0.0049	36.2706	-47.8872	0.0016	42.5552	43.4399
0.3664	0.005	35.8291	-48.1079	0.0016	42.7364	43.6221
0.3559	0.0051	36.1603	-48.9357	0.0018	42.871	43.7305
0.3451	0.0051	35.498	-48.9909	0.0019	42.9538	43.7846
0.3339	0.0053	35.9395	-49.1564	0.0019	42.9383	43.7453
0.3225	0.0054	35.9395	-49.6531	0.0021	43.0677	43.8634
0.3111	0.0056	36.2154	-50.2601	0.0022	43.1246	44.0851
0.3101	0.0057	36.2154	-50.3705	0.0023	43.3628	44.2427
0.3116	0.0059	36.6017	-49.9842	0.0026	43.5595	44.3953
0.3138	0.006	36.381	-50.0946	0.0027	43.6009	44.4889
0.3165	0.0061	35.8291	-49.4875	0.0028	43.7252	44.617
0.3197	0.0062	36.381	-50.1498	0.0029	43.8546	44.7007
0.3217	0.0064	35.2773	-50.4809	0.003	43.9529	44.7598
0.324	0.0067	35.9395	-50.205	0.0032	44.0513	44.8681
0.3257	0.0069	35.6636	-50.5913	0.0033	44.072	44.8829
0.3285	0.0069	35.9947	-50.3153	0.0036	44.1031	44.9519
0.3274	0.0071	35.9395	-50.0946	0.0037	44.0772	44.9469
0.3282	0.0072	35.8843	-50.0394	0.0037	44.0358	44.8435
0.3283	0.0074	35.7188	-49.9842	0.004	44.1548	44.9666
0.3302	0.0075	36.1051	-50.7016	0.0041	44.1082	44.9272
0.3311	0.0079	36.1051	-50.3153	0.0043	44.0358	44.878
0.3324	0.0082	36.0499	-49.929	0.0045	43.8856	44.7549
0.3323	0.0084	36.0499	-50.0946	0.0047	43.8442	44.7105
0.332	0.0085	36.4914	-49.5979	0.005	43.7303	44.6367
0.332	0.0088	36.1051	-49.8738	0.0051	43.5284	44.4544
0.3306	0.0092	36.988	-49.4875	0.0054	43.4301	44.3707
0.3303	0.0092	36.381	-49.4324	0.0056	43.28	44.2033
0.3294	0.0096	36.2154	-48.7149	0.0059	43.1661	44.1195
0.3285	0.0099	36.4914	-49.2116	0.0059	43.0729	44.0998
0.3283	0.0101	36.381	-49.322	0.0063	43.2023	44.2476
0.3283	0.0103	35.8843	-48.7149	0.0065	43.3369	44.4249
0.3293	0.0105	36.6017	-48.9357	0.0067	43.5025	44.5923
0.3298	0.0106	36.5466	-49.7635	0.0069	43.6423	44.6859
0.3285	0.0109	36.3258	-49.3772	0.0072	43.7718	44.8731
0.3283	0.0112	36.6017	-49.322	0.0073	43.9478	45.0848
0.3281	0.0116	36.6569	-48.7701	0.0077	44.0409	45.1144
0.3293	0.0118	36.1051	-48.5494	0.0078	44.1911	45.2769

0.33	0.012	36.1603	-48.9909	0.008	44.2894	45.3655
0.3313	0.0123	36.2706	-48.8805	0.0084	44.3619	45.4788
0.3325	0.0126	35.9947	-49.6531	0.0086	44.4758	45.5527
0.3327	0.013	36.0499	-49.4324	0.009	44.569	45.666
0.3326	0.0133	36.7673	-48.7149	0.0094	44.6363	45.7201
0.3315	0.0135	36.8225	-49.0461	0.0097	44.6881	45.7546
0.3317	0.014	36.8225	-49.2668	0.0099	44.6881	45.7792
0.3321	0.0144	36.8225	-49.322	0.0103	44.7036	45.7743
0.3323	0.0146	36.4362	-49.1564	0.0105	44.5742	45.5822
0.3326	0.015	36.7121	-49.4324	0.0109	44.4603	45.4443
0.3326	0.0153	37.3743	-48.9909	0.0113	44.3464	45.3606
0.3324	0.0157	37.3191	-49.6531	0.0118	44.248	45.2326
0.3303	0.0162	37.0432	-48.5494	0.0122	44.072	45.0947
0.3285	0.0164	37.0432	-49.6531	0.0125	43.8805	44.878
0.3269	0.0169	37.0432	-49.6531	0.0129	43.7407	44.7992
0.3262	0.0173	37.2088	-49.6531	0.0133	43.7459	44.745
0.3251	0.0177	37.264	-50.5913	0.0137	43.663	44.6761
0.3242	0.0181	37.1536	-50.812	0.0139	43.8183	44.7893
0.3264	0.0185	37.2088	-51.2535	0.0143	44.0306	45.0356
0.3273	0.0189	37.0984	-48.6046	0.0147	44.3101	45.3853
0.3243	0.0193	37.1536	-50.5913	0.0151	44.424	45.5084
0.3234	0.0197	37.3191	-52.0261	0.0156	44.5638	45.6857
0.3224	0.0201	36.7673	-53.2953	0.0159	44.6777	45.7891
0.3223	0.0205	36.8225	-53.3505	0.0163	44.8278	45.9319
0.3228	0.0209	37.0984	-54.1231	0.0166	44.9158	46.0009
0.323	0.0214	37.0984	-55.3372	0.017	45.0297	46.06
0.3231	0.0219	36.6017	-55.9442	0.0175	44.9935	46.0058
0.3238	0.0224	37.1536	-56.4409	0.018	45.1177	46.1782
0.3241	0.0231	37.1536	-56.3857	0.0185	45.097	46.2028
0.3229	0.0236	37.264	-56.4961	0.0192	45.1488	46.2225
0.3211	0.024	37.2088	-57.3239	0.0195	45.1695	46.3161
0.3205	0.0244	37.0432	-58.3724	0.0201	45.1229	46.3308
0.3198	0.0251	37.4295	-58.2068	0.0207	45.0608	46.2619
0.3202	0.0255	37.5399	-58.9794	0.0212	44.9676	46.188
0.3199	0.0262	37.2088	-59.752	0.0218	44.7657	45.9615
0.3193	0.0268	37.4295	-59.9176	0.0223	44.6208	45.7891
0.318	0.0275	37.9814	-62.2906	0.0231	44.5431	45.7448
0.3122	0.0283	37.4295	-76.8595	0.0237	44.3464	45.533

0.3012	0.0293	37.5399	-114.7167	0.0241	44.1031	45.1833
0.2873	0.0299	37.5951	-160.3551	0.0248	43.9115	44.9863

0.2265	0.0102	-1.4155	-5.7365	0.009	27.7979	25.9006
0.5715	0.0014	35.4428	-92.5874	-0.0002	13.922	22.4401
0.6079	0.002	52.1088	-39.223	-0.0002	14.1602	23.5285
0.666	0.0022	56.0822	-40.2716	-0.0001	14.859	23.6122
0.7145	0.0024	56.4133	-40.7131	-0.0003	17.1834	23.7107
0.7558	0.0025	57.8481	-40.7682	-0.0002	19.8133	23.8979
0.7891	0.0026	58.8415	-41.8168	-0.0003	24.8555	25.789
0.8182	0.0026	60.1659	-42.3134	-0.0002	29.2041	29.8964
0.8417	0.0027	60.9937	-43.2516	-0.0002	33.2265	33.9742
0.8618	0.0027	61.7111	-43.7483	-0.0003	35.8149	36.5943
0.8759	0.0027	61.0489	-43.9138	-0.0001	37.4663	38.2786
0.8904	0.0028	59.9452	-44.3553	-0.0003	38.6104	39.3867
0.9006	0.0029	58.9518	-44.4657	-0.0001	39.4594	40.288
0.9079	0.0029	57.5722	-44.6864	-0.0001	40.179	40.9775
0.9148	0.003	55.8615	-45.0175	-0.0001	40.7588	41.534
0.9213	0.0031	53.9852	-45.3486	-0.0002	41.1937	41.992
0.9259	0.0031	52.7159	-45.2934	-0.0001	41.5043	42.2924
0.9284	0.0031	50.7844	-45.459	-0.0002	41.8511	42.5682
0.9324	0.003	48.8529	-46.1764	-0.0002	42.0945	42.8735
0.935	0.0031	47.5836	-46.1764	-0.0001	42.3067	43.0558
0.9364	0.0031	45.7073	-46.1212	-0.0002	42.4413	43.2281
0.9384	0.003	43.8862	-46.5075	-0.0001	42.4982	43.3266
0.9398	0.0032	42.8377	-45.8453	-0.0001	42.5655	43.3266
0.94	0.0033	41.1821	-45.9557	0	42.5707	43.3562
0.9408	0.0032	39.361	-45.7901	-0.0001	42.5138	43.2872
0.942	0.0032	37.8158	-45.6246	0	42.4206	43.2035
0.9419	0.0032	37.1536	-45.6797	0	42.2653	43.1247
0.9427	0.0032	38.8092	-45.459	0	42.1618	42.977
0.9422	0.0033	38.6436	-45.4038	0	42.0737	42.9474
0.9419	0.0033	38.4229	-45.6797	-0.0001	41.8667	42.8144
0.9422	0.0034	38.3677	-45.4038	0	41.9443	42.8095
0.9433	0.0034	38.1469	-45.459	0.0001	41.934	42.78
0.9425	0.0035	38.4229	-45.5142	0.0002	41.8718	42.7701
0.9419	0.0035	37.9262	-45.1279	0.0002	41.8356	42.6765
0.9413	0.0036	37.6503	-45.6797	0.0003	41.7994	42.6667

0.9403	0.0035	35.9947	-45.6797	0.0004	41.8977	42.775
0.94	0.0036	36.8777	-45.8453	0.0004	42.1203	42.972
0.9395	0.0036	37.3191	-45.5142	0.0005	42.2498	43.1149
0.9374	0.0037	35.9947	-45.7349	0.0006	42.3895	43.2675
0.9366	0.0036	36.3258	-46.066	0.0005	42.55	43.3956
0.9356	0.0038	35.2221	-46.342	0.0007	42.6432	43.499
0.9351	0.0038	35.8843	-45.9557	0.0008	42.695	43.5286
0.9343	0.0039	36.3258	-45.1831	0.0007	42.8503	43.6812
0.9317	0.004	37.3191	-46.5075	0.0009	43.0211	43.8339
0.9307	0.0041	37.264	-46.8386	0.001	43.1505	43.9767
0.9301	0.0042	37.8158	-46.7835	0.001	43.2282	44.0752
0.9288	0.0043	36.7673	-45.7349	0.0012	43.3007	44.1491
0.9272	0.0043	36.8777	-43.5827	0.0013	43.368	44.2377
0.9265	0.0045	36.4362	-44.3553	0.0014	43.456	44.3067
0.9251	0.0046	36.3258	-45.9557	0.0015	43.5077	44.3904
0.9228	0.0048	37.1536	-45.5142	0.0016	43.5595	44.4397
0.9218	0.0049	36.988	-44.2449	0.0017	43.5077	44.3116
0.9216	0.0049	37.5399	-44.1897	0.0017	43.4456	44.2722
0.9198	0.0053	37.6503	-44.1897	0.002	43.3783	44.2377
0.9184	0.0054	37.3743	-44.0794	0.002	43.3524	44.1836
0.9165	0.0055	37.5951	-44.2449	0.0021	43.3472	44.1688
0.915	0.0057	36.4914	-44.3001	0.0024	43.3162	44.2033
0.9131	0.0059	35.0014	-43.6931	0.0025	43.368	44.223
0.9113	0.006	35.1669	-43.6931	0.0028	43.4353	44.2673
0.9098	0.0062	35.8291	-43.0308	0.0029	43.399	44.2673
0.908	0.0064	36.4914	-43.4723	0.0032	43.4197	44.287
0.9062	0.0065	35.774	-43.3068	0.0033	43.2851	44.223
0.9033	0.0067	35.2221	-43.362	0.0035	43.3835	44.2771
0.9015	0.007	35.0565	-43.7483	0.0037	43.6113	44.5037
0.8997	0.0071	36.8777	-44.1346	0.0039	43.7821	44.681
0.8968	0.0072	37.1536	-43.5827	0.0039	43.9167	44.8534
0.8945	0.0075	36.2706	-43.3068	0.0041	44.2014	44.9814
0.8917	0.0077	35.6636	-43.1964	0.0044	44.3257	45.1242
0.889	0.0079	35.1117	-43.4723	0.0046	44.4447	45.272
0.8861	0.0081	36.9328	-44.2449	0.0048	44.5742	45.3606
0.8834	0.0083	37.2088	-44.3553	0.0051	44.6052	45.4246
0.8789	0.0086	36.6017	-44.9623	0.0052	44.6932	45.4739
0.877	0.0088	36.6569	-44.9623	0.0055	44.833	45.6167

0.8745	0.009	36.381	-45.0727	0.0058	44.9572	45.7349
0.8714	0.0093	36.381	-44.3001	0.0061	45.066	45.8236
0.8683	0.0095	36.381	-44.5208	0.0063	45.1488	45.9171
0.8657	0.0098	36.4914	-44.4657	0.0065	45.2472	45.9812
0.8626	0.01	36.2154	-44.6312	0.0067	45.3144	46.06
0.8595	0.0103	35.774	-44.0242	0.0072	45.33	46.0304
0.8557	0.0106	35.9395	-43.6379	0.0075	45.3403	46.0255
0.8496	0.011	37.1536	-44.0794	0.008	45.3559	46.0206
0.8381	0.0115	35.498	-43.5827	0.008	45.1695	45.8777

0.2485	0.0062	-103.18	-117.636	0.0053	22.1557	21.7785
0.4892	0.0019	31.0832	-113.4475	-0.0002	12.1619	19.1946
0.4505	0.0023	34.4495	-49.8187	-0.0001	13.8237	20.6474
0.4612	0.0024	33.8425	-50.6464	-0.0001	14.3051	21.4403
0.4709	0.0023	30.2002	-51.419	-0.0001	15.0247	22.0018
0.4812	0.0024	30.5865	-51.0327	-0.0001	17.1576	22.642
0.49	0.0024	30.8625	-51.5294	-0.0002	23.9392	25.0306
0.4989	0.0024	31.5247	-52.1364	-0.0003	28.7951	29.3497
0.5069	0.0025	32.3525	-53.185	-0.0002	32.9573	33.6295
0.5143	0.0024	32.7388	-53.185	-0.0003	35.5043	36.2151
0.5209	0.0025	33.1251	-52.7987	-0.0001	36.9072	37.6778
0.5261	0.0025	37.4295	-52.5779	-0.0001	37.7045	38.5101
0.5304	0.0026	39.1403	-52.4124	-0.0002	38.3309	39.1405
0.5352	0.0025	40.4095	-52.0813	-0.0001	38.8123	39.6182
0.5385	0.0025	40.6855	-52.0261	-0.0001	39.0505	39.8693
0.5443	0.0024	41.4581	-52.6883	-0.0001	39.2575	40.0811
0.5477	0.0025	42.1203	-52.6883	-0.0001	39.5526	40.2683
0.5538	0.0025	41.6236	-52.8539	-0.0001	39.594	40.3471
0.5595	0.0026	41.0718	-52.5779	-0.0001	39.651	40.3815
0.5633	0.0027	39.9681	-52.5227	-0.0001	39.7183	40.5096
0.568	0.0027	39.9681	-52.3572	-0.0001	39.9461	40.7164
0.572	0.0026	39.968	-52.4124	-0.0001	40.0237	40.7805
0.5767	0.0027	40.4095	-52.7987	-0.0002	40.2049	40.9528
0.5818	0.0027	39.0299	-53.2402	-0.0002	40.236	41.0612
0.5866	0.0027	38.478	-52.909	0	40.2101	41.0218
0.591	0.0026	38.2573	-53.4057	-0.0003	40.2101	41.0562
0.5958	0.0028	38.2021	-53.2402	-0.0003	40.4275	41.2139

0.6009	0.0027	36.9328	-53.9576	-0.0001	40.4793	41.2582
0.6064	0.0027	37.0984	-53.4609	-0.0002	40.5052	41.3714
0.6141	0.0026	37.2088	-54.0679	-0.0001	40.7174	41.5438
0.6166	0.0027	38.2021	-53.8472	-0.0001	41.0021	41.9033
0.6213	0.0027	37.1536	-53.792	-0.0001	41.3179	42.2185
0.625	0.0027	37.4847	-53.6816	-0.0001	41.67	42.5485
0.6274	0.0027	37.0984	-53.9576	-0.0001	41.9806	42.8686
0.6318	0.0027	37.0984	-53.792	-0.0001	42.3585	43.2971
0.635	0.0028	37.0432	-54.1231	-0.0001	42.7778	43.696
0.6384	0.0028	36.5466	-53.7368	0	43.1246	44.0358
0.6427	0.0028	36.6569	-53.9024	0	43.4353	44.2919
0.6462	0.0028	35.9395	-54.0127	-0.0001	43.663	44.5825
0.6495	0.0028	35.3325	-53.8472	0	43.9478	44.7893
0.6522	0.0029	34.7806	-54.1231	-0.0001	44.072	44.9272
0.6555	0.0029	34.2288	-54.5646	-0.0001	44.0824	44.9469
0.6602	0.0029	34.3391	-54.4542	0.0001	44.0927	44.9765
0.6607	0.003	33.401	-54.5646	0.0001	44.1755	45.0799
0.6647	0.0031	33.2354	-54.6198	0	44.2118	45.1735
0.6651	0.0031	32.6836	-54.7302	0.0001	44.336	45.4148
0.6692	0.0032	32.6836	-54.0127	0.0002	44.4033	45.5034
0.6724	0.0033	32.0213	-54.1231	0.0002	44.481	45.6019
0.6745	0.0034	31.635	-54.2887	0.0003	44.481	45.6561
0.6771	0.0035	31.4143	-54.5094	0.0003	44.5172	45.6906
0.6814	0.0036	31.2488	-67.0365	0.0003	44.5638	45.8285
0.6864	0.0037	31.028	-65.9328	0.0004	44.4344	45.7448
0.6926	0.0038	31.8558	-69.575	0.0005	44.4499	45.8285
0.6961	0.0039	32.6836	-68.968	0.0005	44.4551	45.9221
0.7011	0.004	32.0213	-72.6654	0.0007	44.4551	45.927
0.7056	0.0041	32.1317	-70.7891	0.0007	44.3981	45.9516
0.7104	0.0042	32.1869	-71.8376	0.0008	44.305	45.7842
0.7124	0.0044	32.5732	-73.1069	0.0007	44.2739	45.858
0.7174	0.0044	32.4076	-73.9347	0.001	44.5224	46.0944
0.7199	0.0045	32.1869	-73.9899	0.0012	44.6829	46.3062
0.723	0.0047	32.0765	-73.8795	0.0013	44.8848	46.518
0.7269	0.0047	31.5247	-75.811	0.0014	45.0401	46.7839
0.7326	0.0051	31.5247	-75.3695	0.0016	45.3352	47.04
0.7344	0.0053	31.7454	-76.9147	0.0016	45.5629	47.2961
0.7374	0.0055	31.4143	-77.1354	0.0019	45.7804	47.498

0.7414	0.0056	31.2488	-78.4599	0.0019	45.8166	47.5719
0.747	0.0058	31.4143	-79.5084	0.0021	45.9616	47.7541
0.7496	0.006	31.1936	-79.4532	0.0023	46.0496	47.8625
0.7554	0.0062	31.1936	-78.3495	0.0023	46.2204	48.025
0.7595	0.0064	30.9728	-79.6188	0.0027	46.2929	48.025
0.7617	0.0066	31.3591	-79.0117	0.0029	46.2773	48.1087
0.7641	0.0069	31.4143	-80.8329	0.0032	46.267	48.1038
0.768	0.007	31.5247	-80.6121	0.0033	46.1376	47.9413
0.7717	0.0073	31.4695	-82.3229	0.0037	46.0496	47.8772
0.7721	0.0077	31.4143	-77.9632	0.0038	46.0962	47.8674
0.7739	0.0081	31.4143	-78.3495	0.0042	46.0599	47.8772
0.7768	0.0083	31.1384	-78.8462	0.0043	46.0081	47.7788
0.7769	0.0085	30.9728	-76.8595	0.0046	46.0237	47.8182
0.7808	0.0086	31.1936	-79.0669	0.0048	45.9874	47.8083
0.7827	0.0089	30.9728	-78.2943	0.005	45.9823	47.7935
0.7856	0.0091	31.0832	-79.6188	0.0054	45.7597	47.5719
0.7889	0.0094	31.2488	-80.5569	0.0057	45.7907	47.5818
0.7901	0.0097	31.1936	-80.7777	0.0059	45.7907	47.6458
0.7958	0.0101	31.3591	-80.888	0.0063	45.7027	47.5424
0.7974	0.0105	31.1936	-83.3714	0.0066	45.7648	47.6015
0.8005	0.0107	31.3591	-82.8195	0.0068	45.8373	47.7049
0.8039	0.011	31.3039	-83.9784	0.0073	45.7648	47.6606
0.8043	0.0115	31.5799	-85.1373	0.0076	45.8114	47.7197
0.8077	0.0118	31.6902	-83.1507	0.008	45.7441	47.6753
0.8108	0.0121	31.5799	-84.751	0.0084	45.7338	47.6803
0.8147	0.0127	31.1384	-82.5988	0.0085	45.6975	47.6212
0.8145	0.013	31.028	-84.3095	0.0087	45.77	47.6704
0.819	0.0131	31.1384	-83.4818	0.0092	45.915	47.8181
0.8199	0.0135	30.9176	-83.6473	0.0097	46.1169	47.9856
0.8243	0.0139	30.8073	-85.5236	0.0099	46.2566	48.1727
0.8261	0.0141	30.6969	-85.4133	0.0102	46.4068	48.355
0.8286	0.0146	30.8073	-86.0755	0.0105	46.5569	48.4978
0.8318	0.015	30.6417	-87.8966	0.011	46.676	48.6554
0.835	0.0154	30.7521	-88.3933	0.0114	46.7847	48.7785
0.8355	0.0158	30.5865	-88.9451	0.0117	46.883	48.9164
0.8389	0.0161	30.6969	-89.0003	0.0122	46.94	48.9903
0.8402	0.0165	30.421	-90.4351	0.0125	47.0176	49.0346
0.839	0.0174	30.5865	-119.3523	0.0133	47.059	49.0641

0.8382	0.0176	30.421	-186.5682	0.0132	46.9141	48.8081
0.8318	0.0181	30.2554	-325.194	0.0135	46.6811	48.2959

0.2197	0.0012	-18.501	-22.9213	0.0001	22.8266	20.1784
0.4293	0.0021	32.6836	-105.1696	-0.0001	21.2732	22.5238
0.3928	0.0021	37.3191	-45.3486	-0.0004	20.7399	23.0606
0.3976	0.0023	37.6503	-44.9071	-0.0002	21.2887	23.297
0.401	0.0022	38.0917	-44.9623	-0.0004	21.6459	23.5482
0.405	0.0022	39.5818	-44.6312	-0.0003	23.9962	24.2525
0.4079	0.0021	40.1888	-43.969	-0.0004	26.9832	27.4537
0.4108	0.0022	40.7406	-44.1897	-0.0004	29.934	32.5214
0.4117	0.0022	39.6369	-45.1279	-0.0004	32.5225	36.2594
0.4125	0.0023	36.988	-46.066	-0.0003	34.2671	38.2294
0.4116	0.0023	35.3325	-47.0594	-0.0002	35.6182	39.3966
0.4101	0.0022	33.6217	-46.4523	-0.0003	36.3067	40.091
0.4099	0.0022	32.4628	-47.832	-0.0003	36.7882	40.48
0.4077	0.0021	32.6836	-47.5009	-0.0002	37.4405	40.9775
0.4069	0.0023	33.2354	-47.6664	-0.0003	37.8236	41.2286
0.4068	0.0023	33.8425	-47.7768	-0.0002	38.1445	41.4798
0.4057	0.0022	31.5247	-47.9975	-0.0004	38.6104	41.7162
0.4044	0.0021	30.9728	-47.9423	-0.0003	38.8279	41.7999
0.4046	0.0022	32.4076	-47.7216	-0.0003	39.009	41.9427
0.4033	0.0022	33.7321	-47.2801	-0.0002	39.1954	42.0856
0.4024	0.0022	34.1736	-47.3353	-0.0002	39.2938	42.2038
0.4014	0.0022	34.7254	-47.5009	-0.0002	39.4335	42.2727
0.4016	0.0022	35.1117	-46.8386	-0.0002	39.4025	42.2481
0.4002	0.0022	35.0014	-46.7835	-0.0002	39.4387	42.2382
0.3995	0.0022	34.4495	-46.1764	-0.0002	39.4232	42.1299
0.3987	0.0022	34.5599	-46.5627	-0.0002	39.3404	42.0511
0.3975	0.0022	34.8358	-45.9005	-0.0002	39.3197	41.992
0.3957	0.0022	34.5047	-46.7835	-0.0002	39.2213	41.9969
0.3927	0.0023	34.8358	-45.9557	-0.0002	39.2368	42.0265
0.3904	0.0023	35.0565	-45.9557	-0.0001	39.2524	42.0609
0.3879	0.0023	35.0014	-45.9557	-0.0002	39.2472	42.0511
0.3854	0.0023	34.6151	-45.6246	-0.0001	39.2317	42.1151
0.3828	0.0023	34.4495	-45.5142	-0.0002	39.2575	42.1102
0.3805	0.0024	34.4495	-45.9557	-0.0004	39.3093	42.1151

0.3777	0.0023	33.9528	-45.6797	-0.0002	39.3145	42.1447
0.375	0.0023	34.0632	-46.066	-0.0002	39.2524	42.1299
0.3722	0.0023	33.8977	-45.7901	-0.0002	39.3455	42.253
0.3693	0.0023	33.7321	-45.7349	-0.0001	39.2782	42.2284
0.3661	0.0024	33.7873	-45.9557	-0.0001	39.2731	42.2776
0.3628	0.0024	34.0632	-45.8453	-0.0001	39.2524	42.2875
0.3591	0.0024	33.5665	-45.6797	-0.0001	39.3093	42.3515
0.3561	0.0024	33.4562	-45.7901	-0.0001	39.3041	42.4007
0.3519	0.0025	33.5665	-46.0109	0	39.3093	42.4451
0.3486	0.0025	33.6769	-46.5627	0	39.3041	42.4746
0.3432	0.0025	33.8977	-46.066	0	39.3093	42.5042
0.3397	0.0025	34.008	-45.5694	0.0001	39.4646	42.5879
0.3368	0.0025	33.7321	-45.5694	0.0002	39.594	42.8489
0.333	0.0026	33.5665	-45.7901	0.0002	39.7959	43.1099
0.3291	0.0027	32.6284	-46.5075	0.0002	40.1428	43.4547
0.3233	0.0028	32.5732	-46.2868	0.0003	40.3706	43.8043
0.32	0.0028	32.9595	-47.1698	0.0004	40.6346	44.0654
0.3155	0.0028	32.0213	-47.2801	0.0004	40.8779	44.3707
0.3117	0.0029	32.2421	-47.4457	0.0005	40.9141	44.4594
0.3078	0.003	32.1869	-47.6112	0.0006	41.0746	44.5776
0.3034	0.0032	32.518	-47.832	0.0007	41.292	44.8287
0.2999	0.0033	32.2421	-48.0527	0.0008	41.4163	44.9962
0.2954	0.0034	31.7454	-48.3286	0.0009	41.4681	45.1587
0.2913	0.0035	31.7454	-48.4942	0.001	41.5612	45.2178
0.2864	0.0037	31.911	-48.8805	0.0012	41.4991	45.267
0.2815	0.0039	31.8558	-47.9975	0.0014	41.5146	45.3163
0.2767	0.0041	31.7454	-48.0527	0.0014	41.4525	45.3705
0.2723	0.0041	31.635	-48.1079	0.0016	41.5302	45.4788
0.2672	0.0043	31.9662	-48.1631	0.0017	41.6285	45.661
0.262	0.0044	31.5247	-47.9975	0.0019	41.6337	45.7595
0.2577	0.0045	31.5799	-48.1079	0.0021	41.6648	45.8334
0.252	0.0048	31.3591	-48.2183	0.0023	41.6648	45.8383
0.2467	0.005	32.1869	-47.8872	0.0026	41.6596	45.9762
0.2419	0.0052	32.2421	-47.4457	0.0028	41.5819	45.9565
0.2371	0.0054	32.3525	-47.5009	0.0029	41.5509	45.8777
0.2327	0.0057	32.4628	-47.6112	0.0033	41.4681	45.9122
0.2284	0.0058	33.0699	-47.832	0.0035	41.4111	45.9812
0.2235	0.0061	32.5732	-47.8872	0.0037	41.4266	45.8827

0.2181	0.0064	33.2906	-46.8938	0.0041	41.3904	45.927
0.2128	0.0068	33.2354	-45.7901	0.0042	41.5043	46.0206
0.2085	0.007	33.4562	-46.2316	0.0045	41.5561	46.1043
0.2039	0.0072	33.2354	-45.8453	0.0049	41.6803	46.2028
0.1985	0.0074	33.2906	-46.0109	0.0051	41.6492	46.2471
0.1939	0.0077	33.2354	-45.7349	0.0054	41.5923	46.2176
0.1887	0.008	33.5114	-45.9005	0.0057	41.6803	46.1979
0.1843	0.0083	33.6217	-45.8453	0.006	41.6078	46.1929
0.1791	0.0086	32.9043	-45.5694	0.0063	41.3179	46.0452
0.1732	0.0089	33.3458	-46.2316	0.0067	40.5414	46.0698
0.1673	0.0093	33.401	-46.066	0.007	40.5517	46.2323
0.1614	0.0095	33.8425	-45.7901	0.0073	40.8054	46.3161
0.1547	0.0098	33.7873	-45.8453	0.0076	41.1833	46.4933
0.1834	0.0099	50.067	-82.1573	0.0066	41.0436	45.5379
0.177	0.0105	30.6417	-59.8624	0.0075	41.4473	45.9664
0.184	0.0107	30.7521	-82.2125	0.0075	41.5871	46.06
0.1871	0.0112	30.8625	-79.0669	0.0079	41.8149	46.3259
0.1871	0.0115	30.3106	-86.2962	0.0081	41.9702	46.4589
0.1872	0.0119	30.3658	-82.7644	0.0086	42.1307	46.5426
0.1861	0.0123	30.421	-94.5189	0.0088	42.141	46.5032
0.1874	0.0126	30.8073	-92.3114	0.0092	42.1514	46.4195
0.1877	0.013	30.9176	-91.4837	0.0096	42.0944	46.3062
0.1867	0.0135	30.9728	-87.731	0.0099	42.0375	46.3998
0.188	0.0139	31.028	-87.8966	0.0102	42.0789	46.3899
0.1864	0.0143	31.4695	-90.987	0.0106	41.9961	46.3456
0.1862	0.0148	31.1936	-95.3466	0.0109	41.9961	46.1831
0.1849	0.0151	31.5799	-94.0774	0.0113	41.8149	45.9762
0.1834	0.0156	32.7939	-92.0907	0.0122	41.7683	45.8777
0.1844	0.0159	31.4143	-98.1611	0.0119	41.6751	45.6118
0.1845	0.0165	31.8006	-95.0707	0.0126	41.6648	45.5379
0.1848	0.0168	31.4695	-98.6026	0.0128	41.6803	45.5527
0.18	0.0173	31.5799	-114.2752	0.0129	41.5975	45.3557
0.1681	0.0179	31.3039	-150.9736	0.0127	41.5302	45.0848
0.1395	0.0185	31.0832	-208.2009	0.0123	41.3127	44.6761
0.0964	0.019	30.9728	-295.3939	0.0113	40.8572	44.0063
0.2378	0.005	4.0975	-7.4749	0.0023	18.0416	20.5418
0.4147	0.0019	27.6617	-102.4656	-0.0003	11.6131	21.4256

0.3836	0.002	29.7587	-44.5208	-0.0003	12.9074	21.8393
0.3985	0.0022	32.1317	-44.852	-0.0003	13.7771	22.1741
0.4139	0.0022	33.5114	-44.7968	-0.0002	14.3672	22.6026
0.428	0.0022	35.0014	-44.7968	-0.0004	18.576	23.2576
0.4412	0.0022	37.2088	-44.4657	-0.0003	25.5285	26.2323
0.4548	0.0022	36.2706	-44.5208	-0.0004	30.0427	30.6105
0.4667	0.0022	33.7321	-45.2383	-0.0003	33.5682	34.1417
0.4787	0.0023	33.2906	-45.1279	-0.0003	35.6493	36.2348
0.4896	0.0023	33.0147	-46.3972	-0.0004	36.9228	37.5596
0.4991	0.0024	32.9595	-46.3972	-0.0004	37.7718	38.4805
0.5089	0.0024	32.2421	-46.7283	-0.0002	38.4448	39.1799
0.5177	0.0024	32.1317	-47.1146	-0.0002	38.9832	39.6527
0.5259	0.0024	32.3525	-48.3838	-0.0003	39.3248	39.9875
0.5338	0.0025	32.1869	-47.3905	-0.0003	39.594	40.3077
0.5423	0.0025	31.4143	-47.9423	-0.0005	39.7856	40.4751
0.55	0.0025	30.421	-48.2735	-0.0002	39.9875	40.746
0.558	0.0026	30.4762	-48.3286	-0.0003	40.0807	40.8002
0.5656	0.0026	30.6969	-48.2735	-0.0002	40.1221	40.8445
0.5728	0.0026	30.7521	-48.0527	-0.0004	40.236	40.9577
0.5811	0.0026	30.6417	-48.1079	-0.0003	40.3136	41.0563
0.5881	0.0026	31.028	-48.439	-0.0002	40.3033	41.0858
0.5959	0.0026	30.9728	-48.4942	-0.0002	40.3343	41.1055
0.604	0.0026	31.3039	-48.4942	-0.0001	40.3602	41.1498
0.6104	0.0027	30.9728	-48.3838	-0.0003	40.4016	41.1745
0.6165	0.0027	31.1384	-48.3838	-0.0004	40.4223	41.1991
0.6223	0.0027	30.5313	-47.8872	-0.0003	40.5103	41.3074
0.6281	0.0027	30.3658	-48.1079	-0.0002	40.6035	41.3862
0.6332	0.0026	29.8691	-48.3286	-0.0002	40.5828	41.3567
0.6398	0.0027	30.5865	-48.1631	-0.0002	40.94	41.6965
0.6453	0.0027	30.7521	-48.9357	-0.0002	41.1678	41.9477
0.649	0.0026	30.421	-49.1012	-0.0002	41.5405	42.386
0.6538	0.0027	30.9176	-48.7701	-0.0002	42.053	42.8243
0.658	0.0026	30.6969	-48.7701	-0.0002	42.3792	43.1887
0.6637	0.0026	30.6417	-49.1564	-0.0002	42.6639	43.4842
0.6677	0.0027	30.7521	-49.6531	-0.0002	43.0107	43.8241
0.6714	0.0027	31.1384	-49.3772	-0.0003	43.2851	44.1392
0.6742	0.0028	31.028	-49.322	-0.0002	43.5802	44.4446
0.6782	0.0028	30.8073	-49.6531	-0.0002	43.8649	44.681

0.6819	0.0028	31.028	-49.6531	-0.0002	43.9633	44.7746
0.6834	0.0029	30.3658	-49.929	-0.0002	43.8805	44.7943
0.6879	0.0028	30.5313	-49.8738	-0.0003	44.0875	45.0405
0.6914	0.0029	30.5865	-50.0946	-0.0001	44.248	45.2424
0.6951	0.0029	30.4762	-50.1498	-0.0001	44.2739	45.272
0.6979	0.0029	30.5865	-50.4809	-0.0001	44.3619	45.3557
0.7003	0.003	30.5313	-50.5913	-0.0002	44.481	45.533
0.7024	0.0029	30.7521	-50.7016	-0.0001	44.4913	45.5822
0.7056	0.003	30.7521	-51.1431	0	44.4137	45.5872
0.7073	0.0031	31.1384	-50.8672	0	44.4085	45.6315
0.7101	0.0031	31.4695	-50.3153	0	44.4706	45.661
0.7132	0.0031	31.3039	-49.9842	0	44.481	45.7645
0.7148	0.0033	31.1936	-50.3705	0	44.5069	45.8433
0.7161	0.0033	31.4143	-49.9842	0.0001	44.5224	45.8482
0.7165	0.0034	31.3591	-50.205	0.0001	44.4965	45.8433
0.7187	0.0033	31.2488	-50.4809	0	44.4033	45.8039
0.7191	0.0035	31.4143	-50.5361	0.0001	44.3464	45.7595
0.7209	0.0035	31.911	-50.1498	0.0003	44.1963	45.597
0.7217	0.0036	31.911	-50.5361	0.0003	44.1807	45.6512
0.7222	0.0037	31.8006	-50.7568	0.0003	44.0875	45.6167
0.722	0.0037	31.3591	-50.812	0.0003	44.1548	45.6315
0.7221	0.0038	30.9176	-51.0327	0.0004	44.336	45.8186
0.7205	0.004	32.518	-51.0879	0.0004	44.5172	45.9615
0.7191	0.0041	34.5047	-50.8672	0.0007	44.6622	46.0846
0.7177	0.0042	34.6151	-50.8672	0.0008	44.6829	46.1683
0.7159	0.0044	35.3325	-50.4809	0.0008	44.6829	46.2373
0.7175	0.0045	36.2154	-50.4809	0.0011	44.9158	46.4638
0.7173	0.0046	37.8158	-50.6464	0.001	45.0504	46.6509
0.7166	0.0048	35.498	-51.0879	0.0013	45.2006	46.8036
0.7158	0.0049	35.1669	-52.5227	0.0014	45.2679	46.9711
0.7161	0.005	36.9328	-54.0127	0.0016	45.3662	47.0499
0.7169	0.0052	37.1536	-55.7787	0.0017	45.4025	47.1188
0.7154	0.0055	36.9328	-56.6065	0.0019	45.3455	47.0942
0.7167	0.0057	36.4914	-57.5998	0.0022	45.2782	47.0203
0.714	0.0059	36.8777	-59.5865	0.0024	45.1333	46.8972
0.7134	0.0062	39.3058	-58.5379	0.0026	44.9676	46.7987
0.712	0.0064	40.1336	-58.4276	0.0028	44.8796	46.6559
0.7108	0.0067	40.5751	-59.4761	0.0029	44.8019	46.582

0.7095	0.007	39.8577	-62.125	0.0032	44.7709	46.5524
0.7093	0.0071	39.2506	-64.1669	0.0035	44.745	46.4884
0.7083	0.0074	40.0784	-64.1117	0.0037	44.7709	46.5426
0.7081	0.0077	40.9614	-65.1602	0.0038	44.6622	46.3899
0.7065	0.008	40.851	-65.8224	0.0042	44.6156	46.3653
0.705	0.0083	41.9547	-68.0298	0.0045	44.5328	46.3161
0.7033	0.0085	39.1403	-67.0917	0.0047	44.4913	46.2865
0.7039	0.0089	41.5132	-69.0784	0.005	44.4344	46.2323
0.7022	0.0093	41.4029	-70.5684	0.0053	44.3464	46.1437
0.7016	0.0095	41.9547	-71.2306	0.0057	44.2739	46.0698
0.7014	0.0098	42.8929	-71.3962	0.0059	44.2221	46.0649
0.6998	0.0104	41.5684	-75.3695	0.0064	44.1859	46.0206
0.6972	0.0106	43.0033	-71.065	0.0067	44.1962	46.055
0.6959	0.0109	42.8377	-71.1754	0.0068	44.3464	46.2176
0.6948	0.0113	43.9966	-74.321	0.0075	44.569	46.3801
0.6938	0.0114	45.1555	-69.0784	0.0075	44.7864	46.6017
0.6922	0.0118	45.8177	-72.7206	0.0079	44.9055	46.7396
0.692	0.0121	44.3829	-74.928	0.008	45.0401	46.9218
0.6918	0.0125	44.8244	-76.5284	0.0084	45.2006	47.04
0.691	0.0129	46.0936	-77.0251	0.0088	45.3248	47.1927
0.6901	0.0132	46.0385	-76.7491	0.0091	45.4025	47.2863
0.6896	0.0137	51.1155	-83.0955	0.0096	45.3559	47.2764
0.6853	0.0141	46.7559	-121.5045	0.0101	45.4335	47.1976
0.6791	0.0146	43.4999	-171.0611	0.0105	45.4749	46.9908
0.6348	0.0145	40.4647	-270.7811	0.0096	42.6121	44.5382

0.2108	0.0034	-6.3822	-9.3125	0.0024	22.4259	22.3015
0.4319	0.0023	30.6417	-103.183	0.0003	22.2412	23.8535
0.3951	0.0026	37.5951	-44.6864	0.0004	22.5363	24.1047
0.4138	0.0028	39.4162	-44.2449	0.0004	22.7848	24.3214
0.4314	0.0027	40.1336	-43.8586	0.0004	23.0488	24.4347
0.4485	0.0028	42.8929	-43.6931	0.0003	23.9289	24.6711
0.4649	0.0029	43.7758	-44.1897	0.0003	26.7969	26.5869
0.4821	0.0029	36.5466	-44.852	0.0004	28.9608	30.3002
0.4972	0.003	38.754	-44.4105	0.0004	31.0781	33.5852
0.5109	0.003	39.1403	-44.4657	0.0004	32.8124	35.6487
0.5242	0.0031	39.8025	-44.576	0.0003	34.1583	36.8848

0.537	0.0031	40.4095	-44.576	0.0004	34.9763	37.6433
0.545	0.0032	40.9614	-44.7968	0.0004	35.2041	38.1062
0.553	0.0033	41.0718	-44.4657	0.0004	35.6596	38.5544
0.5624	0.0032	40.7406	-44.4105	0.0004	36.1048	38.9336
0.5717	0.0032	40.851	-44.6312	0.0004	36.3689	39.1848
0.583	0.0034	40.6855	-44.2449	0.0005	36.5915	39.4655
0.5939	0.0032	39.8577	-44.6312	0.0004	36.8037	39.7068
0.6024	0.0032	39.5818	-44.576	0.0003	37.3369	39.9875
0.6102	0.0033	39.7473	-44.6312	0.0003	37.6682	40.2141
0.6195	0.0033	40.0784	-44.7968	0.0004	37.8753	40.3914
0.6276	0.0033	40.244	-44.4657	0.0005	38.0979	40.5539
0.6353	0.0034	39.6369	-44.576	0.0005	38.2015	40.6426
0.6444	0.0034	39.9681	-44.4105	0.0005	38.3878	40.7952
0.6501	0.0033	39.3058	-45.1831	0.0004	38.4448	40.9036
0.6559	0.0034	39.361	-45.0175	0.0004	38.6829	41.2385
0.6619	0.0034	39.1403	-44.7416	0.0006	39.009	41.4749
0.6682	0.0036	38.6436	-44.852	0.0005	39.2213	41.6423
0.6752	0.0035	38.8643	-44.9623	0.0004	39.2679	41.8147
0.681	0.0035	39.1955	-44.7416	0.0005	39.418	42.0314
0.6879	0.0036	39.0851	-44.6312	0.0005	39.6354	42.322
0.6946	0.0036	38.754	-44.7968	0.0005	39.8943	42.514
0.7002	0.0036	39.0299	-44.6864	0.0005	40.003	42.7701
0.7033	0.0036	38.8092	-44.7968	0.0005	40.179	42.9031
0.7092	0.0036	38.5332	-45.1831	0.0004	40.0496	42.9326
0.7142	0.0036	38.3125	-45.1831	0.0004	40.1428	43.0607
0.7181	0.0037	38.8092	-45.0727	0.0005	40.2981	43.2971
0.725	0.0035	38.6436	-46.2868	0.0005	40.3861	43.3463
0.7278	0.0036	38.6988	-45.5694	0.0005	40.324	43.4448
0.7317	0.0038	38.9747	-45.4038	0.0007	40.2618	43.4842
0.737	0.0039	39.3058	-45.6797	0.0006	40.4534	43.6615
0.7413	0.0039	38.9195	-45.5142	0.0005	40.588	43.9225
0.7472	0.004	38.6988	-45.1831	0.0007	40.7951	44.0998
0.7485	0.0041	38.754	-45.0727	0.0006	40.8727	44.2821
0.7518	0.0041	38.754	-45.1831	0.0006	40.9245	44.4397
0.7559	0.0041	38.6436	-45.0727	0.0007	41.0384	44.6268
0.7606	0.0041	38.1469	-45.1279	0.0007	41.1523	44.7696
0.763	0.0042	38.5332	-45.0175	0.0008	41.204	44.8731
0.7637	0.0042	38.754	-45.0727	0.0009	41.2558	44.9765

0.7667	0.0043	38.5332	-45.1831	0.0009	41.4008	45.2079
0.7692	0.0044	38.8092	-44.9071	0.0009	41.5043	45.2917
0.7697	0.0044	38.6988	-45.3486	0.001	41.5302	45.4788
0.7715	0.0045	34.9462	-45.6797	0.0011	41.5043	45.4296
0.7731	0.0046	35.0565	-45.6246	0.0011	41.4629	45.5379
0.7723	0.0047	34.3943	-45.6797	0.0011	41.5405	45.6216
0.7739	0.0048	34.3391	-45.1831	0.0012	41.6958	45.7694
0.7766	0.0048	34.5599	-44.9072	0.0014	41.7942	45.9713
0.7741	0.005	35.0014	-44.9623	0.0015	41.8097	46.0255
0.7738	0.0052	35.4428	-44.7968	0.0016	41.8511	46.1929
0.7734	0.0051	33.401	-45.6246	0.0017	41.9857	46.3013
0.7742	0.0052	32.4628	-46.1764	0.0017	42.3015	46.3998
0.7744	0.0053	32.7939	-46.4523	0.0018	42.5241	46.5968
0.7727	0.0054	32.518	-46.5627	0.0021	42.7467	46.9809
0.7726	0.0055	32.0213	-47.556	0.0022	42.9849	47.1828
0.7739	0.0057	31.5247	-46.3972	0.0024	43.1453	47.2912
0.7717	0.0057	31.4143	-47.0594	0.0024	43.2437	47.3946
0.7706	0.006	31.5799	-47.7768	0.0027	43.2282	47.5177
0.7683	0.0062	31.5247	-47.832	0.0029	43.399	47.6458
0.7663	0.0064	31.5799	-47.5561	0.0031	43.368	47.6064
0.7678	0.0067	31.1384	-46.8938	0.0034	43.3472	47.7098
0.7609	0.0069	30.9728	-47.1146	0.0035	43.3783	47.7492
0.7569	0.0073	30.9176	-47.0042	0.0037	43.4456	47.6556
0.7812	0.0073	30.6417	-47.6112	0.0038	43.368	47.5424
0.7628	0.0076	31.1936	-47.0042	0.0041	43.3162	47.6113
0.7566	0.0079	30.8625	-47.6112	0.0043	43.4094	47.7393
0.7554	0.008	31.4143	-47.7216	0.0044	43.3576	47.6261
0.7593	0.0082	31.2488	-47.6112	0.0047	43.399	47.6212
0.7665	0.0085	31.2488	-47.3353	0.0049	43.4249	47.5276
0.763	0.0089	31.4695	-47.7216	0.0053	43.368	47.6162
0.7567	0.0091	31.635	-47.3905	0.0056	43.2437	47.4045
0.7519	0.0094	31.5247	-47.556	0.0059	43.1091	47.1582
0.7475	0.0098	31.3591	-47.9423	0.0061	43.0159	46.9267
0.7466	0.0102	32.2421	-47.6664	0.0064	42.871	46.7396
0.7458	0.0104	31.6902	-47.5009	0.0066	42.695	46.6214
0.7449	0.0106	31.5247	-47.6112	0.0068	42.5345	46.5918
0.7459	0.011	31.3039	-47.1698	0.0073	42.4465	46.4244
0.7435	0.0113	31.8558	-48.3838	0.0077	42.3429	46.2028

0.7444	0.0117	32.4076	-49.8738	0.008	42.5293	46.3111
0.7431	0.012	32.1869	-49.7635	0.0084	42.5604	46.4884
0.7415	0.0123	32.1869	-50.0946	0.0087	42.6173	46.582
0.7396	0.0127	32.518	-51.695	0.0089	42.5914	46.5574
0.7399	0.0128	32.0213	-52.302	0.0092	42.55	46.4293
0.7396	0.0134	32.4628	-51.6398	0.0098	42.4931	46.4835
0.7389	0.0137	32.2973	-52.5779	0.01	42.4827	46.3505
0.736	0.0142	32.4628	-51.9709	0.0105	42.3844	46.2422
0.7362	0.0146	32.6836	-50.1498	0.011	42.3999	46.2816
0.7344	0.0148	32.4076	-47.9423	0.0113	42.5397	46.385
0.7322	0.0153	32.2421	-47.9975	0.0117	42.8089	46.5278
0.7291	0.0156	31.8006	-47.8872	0.012	42.9435	46.7987
0.7292	0.016	31.635	-48.7701	0.0122	43.1246	47.0154
0.7276	0.0162	31.5799	-49.7083	0.0127	43.311	47.237
0.7263	0.0167	31.5247	-50.7016	0.0131	43.5181	47.2813
0.725	0.0169	31.1384	-49.7083	0.0133	43.632	47.434
0.7238	0.0175	31.5247	-50.9775	0.0138	43.72	47.6162
0.7222	0.0179	31.7454	-63.7806	0.0144	43.7769	47.5867
0.7148	0.0185	32.1317	-114.1649	0.0146	43.5491	47.0548
0.7077	0.0192	33.0147	-199.4264	0.0153	43.1712	46.5426

0.2175	0.0019	-0.8195	-5.1902	0.0013	24.243	24.2429
0.479	0.0016	30.8625	-99.7615	-0.0005	21.0764	24.6366
0.4081	0.0024	39.1403	-52.2468	-0.0004	20.6053	24.6071
0.4102	0.0025	39.6921	-52.302	-0.0004	17.7684	24.6858
0.4114	0.0024	40.0232	-52.4124	-0.0004	16.9194	24.8336
0.412	0.0025	40.2992	-52.6883	-0.0004	18.0946	25.0601
0.4134	0.0025	40.1336	-53.3505	-0.0004	23.3542	25.0257
0.4144	0.0025	39.7473	-51.8605	-0.0003	27.9616	27.3207
0.4159	0.0026	38.0366	-50.5361	-0.0004	32.6933	30.773
0.4168	0.0027	37.7606	-50.3705	-0.0003	36.0324	34.8016
0.4169	0.0027	36.3258	-51.9709	-0.0004	37.9323	36.9932
0.4172	0.0026	34.3943	-53.1298	-0.0004	39.1126	38.3377
0.4173	0.0027	35.0565	-52.1916	-0.0004	39.3611	37.6531
0.4167	0.0028	34.891	-52.4124	-0.0004	40.0807	38.382
0.4166	0.0028	35.9395	-52.1916	-0.0003	40.3033	38.4707
0.4164	0.0028	35.5532	-51.3638	-0.0003	40.4586	39.0814

0.4163	0.0029	35.9947	-51.8053	-0.0003	40.3757	37.9092
0.4162	0.0029	35.6084	-52.3572	-0.0004	40.2981	38.7218
0.4163	0.003	35.7188	-51.7501	-0.0003	40.4327	39.3818
0.4154	0.0029	36.0499	-51.5846	-0.0003	40.4586	39.4754
0.4143	0.003	35.8291	-52.0261	-0.0004	40.5518	39.5837
0.4136	0.003	35.9395	-51.4742	-0.0003	40.4534	39.3769
0.4127	0.003	35.2221	-51.7501	-0.0003	40.531	39.6477
0.411	0.003	35.2221	-52.2468	-0.0004	40.2308	39.0666
0.4102	0.003	35.6084	-52.2468	-0.0003	40.179	38.7366
0.4098	0.003	36.0499	-51.7501	-0.0003	40.1065	38.7169
0.4085	0.003	35.9395	-51.695	-0.0004	39.9512	39.0026
0.4071	0.0031	35.9395	-52.4676	-0.0003	40.0237	39.0173
0.4061	0.003	35.2221	-51.9157	-0.0002	40.1221	39.239
0.4056	0.003	34.3943	-51.0327	-0.0002	40.003	38.845
0.4037	0.003	34.3943	-50.9224	-0.0003	39.9461	38.8203
0.403	0.0031	35.0565	-50.9776	-0.0002	40.1221	39.2931
0.4018	0.0031	34.4495	-50.7016	-0.0003	40.2308	39.7364
0.4006	0.0031	33.7873	-51.1431	-0.0004	40.1738	39.8989
0.3993	0.0031	35.3877	-50.812	-0.0001	40.4068	40.1796
0.3983	0.0031	34.4495	-51.419	-0.0002	40.4689	40.0122
0.3967	0.0031	34.5047	-51.3638	-0.0002	40.6708	39.9826
0.3956	0.0031	33.9528	-51.9709	-0.0002	40.8624	40.416
0.3943	0.0031	35.1117	-52.0813	-0.0002	41.2144	41.3025
0.3936	0.0032	34.8358	-52.0813	-0.0001	41.3697	41.2582
0.3923	0.0032	35.0014	-52.0813	-0.0002	41.4732	41.2188
0.3915	0.0033	34.5599	-51.9157	0	41.6855	41.3222
0.3899	0.0033	35.1117	-51.5846	0.0001	41.8822	41.4749
0.3884	0.0034	34.284	-51.6398	0.0001	41.8874	41.3714
0.3865	0.0034	35.0014	-51.7501	0.0001	41.934	41.4453
0.3843	0.0036	35.1669	-51.9157	0.0002	41.9961	41.1695
0.3817	0.0036	34.7806	-51.7501	0.0003	41.9806	41.0119
0.3802	0.0038	35.0014	-51.8053	0.0003	41.9702	41.1153
0.3779	0.0037	33.9528	-52.1916	0.0004	42.0064	40.6278
0.3763	0.0039	34.7254	-51.6398	0.0005	41.7942	40.2732
0.3745	0.004	34.4495	-52.0813	0.0005	41.8615	39.6723
0.3724	0.0041	33.6217	-52.0813	0.0007	41.9081	39.7955
0.371	0.0043	33.7321	-51.3638	0.0007	41.9702	40.5539
0.3686	0.0045	33.6217	-51.2535	0.001	41.9599	40.6524

0.3667	0.0045	33.7321	-51.3087	0.0011	42.1048	40.8888
0.3641	0.0047	33.3458	-51.419	0.0011	42.11	41.1597
0.3622	0.0048	32.5732	-51.1983	0.0014	42.2653	41.2631
0.3597	0.005	32.7388	-51.7501	0.0015	42.2912	41.7063
0.3584	0.0051	32.2973	-51.0327	0.0017	42.2963	41.1794
0.3565	0.0054	32.6284	-50.9775	0.0019	42.4051	41.8147
0.3544	0.0055	32.0765	-51.7501	0.0019	42.3895	42.1545
0.3527	0.0057	32.4076	-51.1431	0.0022	42.3326	42.1102
0.3509	0.0059	32.9043	-50.9776	0.0023	42.5552	41.8639
0.3495	0.0061	32.9043	-50.7016	0.0024	42.6121	42.1348
0.3482	0.0064	32.4628	-50.7568	0.0027	42.6639	42.3663
0.3462	0.0065	32.3525	-50.205	0.003	42.7726	42.3712
0.3444	0.0067	32.4076	-50.8672	0.0032	42.8399	42.2382
0.343	0.0068	31.8006	-51.1431	0.0033	42.8503	42.2579
0.3412	0.0072	32.0765	-50.8672	0.0036	42.8865	42.1151
0.3397	0.0076	32.0765	-50.6464	0.0039	42.8865	42.2875
0.3376	0.0076	31.5799	-50.5913	0.0041	42.902	42.4254
0.3359	0.0079	31.8558	-51.0879	0.0045	43.1195	42.6815
0.3346	0.0082	31.911	-50.8672	0.0046	43.1609	42.7455
0.3325	0.0085	31.5799	-51.3638	0.0048	43.3007	42.972
0.3312	0.0087	31.4143	-50.8672	0.0053	43.5647	43.2281
0.3298	0.0089	31.4695	-51.5846	0.0054	43.7252	43.3316
0.3281	0.0092	31.3039	-51.7501	0.0056	43.8753	43.6714
0.326	0.0094	31.0832	-52.0813	0.0058	44.0047	43.9619
0.3238	0.0097	30.6969	-51.3638	0.0061	43.9995	43.9767
0.3231	0.01	30.6417	-51.6398	0.0065	44.0565	44.0703
0.3212	0.0103	29.9795	-52.0261	0.0067	43.8287	43.9028
0.3192	0.0107	29.8691	-51.8605	0.0071	43.663	43.7305
0.3176	0.011	29.8139	-51.4742	0.0073	43.5802	43.6714
0.3156	0.0114	30.421	-51.419	0.0078	43.5284	43.6123
0.3132	0.0117	29.6484	-51.5294	0.008	43.4404	43.4301
0.312	0.0119	29.9795	-51.8605	0.0083	43.3576	43.4596
0.3101	0.0122	29.7587	-51.3638	0.0086	43.2023	43.2823
0.3084	0.0126	30.2002	-51.2535	0.0089	43.0056	43.3808
0.3068	0.013	30.6969	-50.5361	0.0094	43.135	43.5039
0.3052	0.0134	30.0899	-50.5913	0.0098	43.1505	43.5335
0.3032	0.0138	29.8139	-50.5913	0.0101	43.1402	43.5089
0.3015	0.0141	29.9243	-50.9775	0.0104	43.0988	43.5138

0.2996	0.0145	29.8139	-50.5913	0.0107	43.0832	43.5581
0.2958	0.0149	29.5932	-52.1916	0.0112	42.9538	43.3956
0.2794	0.0154	28.5447	-51.8053	0.0117	43.0159	43.5138
0.2402	0.0163	27.165	-52.0261	0.0123	43.223	43.7502
0.1814	0.0169	26.2821	-53.9024	0.013	43.4715	43.9028
0.1111	0.0174	27.4961	-62.125	0.0121	43.2282	41.4896

0.2993	0.0087	4.0975	-8.2199	0.0046	21.1912	19.8282
0.5327	0.002	25.6198	-110.5778	-0.0003	19.2697	17.988
0.477	0.0031	29.9795	-47.2801	-0.0003	19.6942	19.0222
0.4866	0.0031	30.0347	-47.7216	-0.0002	19.6787	19.3177
0.4955	0.0032	30.8625	-47.8872	-0.0003	20.0204	19.7215
0.5036	0.0031	31.1384	-48.0527	-0.0003	20.3672	20.1796
0.5113	0.0033	32.0765	-48.2735	-0.0002	22.1687	21.7654
0.5194	0.0032	32.9595	-48.3286	-0.0001	25.6165	25.9466
0.5258	0.0031	31.2488	-50.1498	-0.0002	29.1989	31.364
0.5316	0.0031	31.3039	-51.2535	-0.0002	32.3102	35.4074
0.5371	0.0031	31.2488	-51.6398	-0.0002	33.6717	37.594
0.5436	0.0032	31.5799	-51.3638	-0.0003	34.8676	38.8745
0.5494	0.0033	31.5247	-51.9157	-0.0002	36.6484	39.7364
0.5554	0.0033	31.9662	-52.4124	-0.0002	37.5854	40.3717
0.562	0.0033	32.1869	-52.2468	-0.0002	38.3516	40.8691
0.5685	0.0033	31.8558	-52.8539	-0.0002	38.9417	41.3616
0.5743	0.0033	31.911	-52.909	-0.0003	39.3352	41.6325
0.5795	0.0033	31.635	-53.4609	-0.0003	39.7442	41.8836
0.5844	0.0034	31.6902	-53.0194	-0.0002	39.9616	42.1348
0.5907	0.0034	31.0832	-52.7435	-0.0004	40.2515	42.3023
0.5963	0.0034	30.9728	-52.7435	-0.0002	40.324	42.514
0.6011	0.0035	30.7521	-53.2402	-0.0003	40.1531	42.6371
0.6069	0.0034	30.5313	-53.3505	-0.0002	40.4327	42.8046
0.6118	0.0034	30.421	-53.2402	-0.0002	40.6346	42.8391
0.6165	0.0034	30.3106	-53.2953	-0.0002	40.6863	42.977
0.6227	0.0034	30.3658	-53.7368	-0.0002	40.8417	43.0361
0.6275	0.0035	30.6969	-53.792	-0.0002	40.8934	43.0508
0.6319	0.0034	30.6417	-54.0679	-0.0002	41.0021	43.0656
0.6362	0.0034	30.8625	-54.675	-0.0002	41.2144	43.1395
0.642	0.0035	32.5732	-53.792	-0.0002	41.2972	43.2232

0.6461	0.0033	33.5665	-53.792	-0.0002	41.1937	43.2232
0.6509	0.0035	34.7806	-53.9576	-0.0003	40.5259	43.1543
0.6557	0.0034	39.9129	-53.9576	-0.0002	40.588	43.1444
0.6598	0.0035	45.2659	-54.5646	-0.0002	40.5983	42.9819
0.6664	0.0036	46.3696	-80.6673	-0.0003	40.6242	42.8144
0.6755	0.0036	46.204	-87.3999	-0.0002	40.4275	42.6618
0.6857	0.0036	46.6455	-91.7044	-0.0002	40.5052	42.5879
0.6954	0.0036	47.087	-90.3248	-0.0002	40.4171	42.5386
0.7062	0.0035	45.9281	-89.8281	-0.0002	40.1324	42.4795
0.7161	0.0035	46.3696	-93.1392	-0.0003	40.3136	42.386
0.726	0.0037	45.6522	-95.1811	-0.0001	40.2929	42.3613
0.7356	0.0036	45.7625	-93.8566	-0.0003	40.3395	42.2973
0.7445	0.0037	46.1488	-93.36	-0.0002	40.3602	42.2431
0.7533	0.0037	46.3696	-94.85	-0.0003	40.3136	42.189
0.762	0.0037	47.087	-107.7634	-0.0003	40.2204	42.1988
0.7704	0.0036	48.9633	-113.6682	-0.0002	40.3291	42.2875
0.7783	0.0038	47.6388	-114.7167	-0.0002	40.4016	42.3515
0.7861	0.0038	47.087	-116.1516	-0.0002	40.4845	42.3761
0.7929	0.0038	47.4181	-118.1934	-0.0002	40.4379	42.3663
0.8004	0.0038	47.694	-119.1316	-0.0001	40.4482	42.3712
0.8089	0.0038	48.4114	-122.0564	-0.0002	40.3861	42.2432
0.8159	0.0039	48.7425	-121.0079	-0.0002	40.3136	42.2579
0.8218	0.004	49.0185	-122.3875	-0.0002	40.2722	42.1939
0.8266	0.0039	49.184	-122.8842	-0.0002	40.3498	42.189
0.8312	0.0039	49.3496	-124.4294	-0.0002	40.236	42.2087
0.8368	0.004	48.4114	-125.3675	-0.0001	40.2463	42.1545
0.8405	0.0041	46.2592	-125.5882	-0.0002	40.2308	42.0265
0.8445	0.0041	44.714	-129.8375	0	40.0807	41.8836
0.8488	0.0041	44.3277	-134.6938	-0.0002	39.7493	41.8541
0.8537	0.0041	44.1621	-131.8242	-0.0001	39.6872	41.8639
0.857	0.0041	45.321	-133.3142	0	39.5992	41.8886
0.8599	0.0041	45.9833	-136.3494	-0.0001	39.6354	41.9575
0.8633	0.0041	46.2592	-136.5702	0	39.6613	41.9821
0.8661	0.0042	46.0936	-134.9698	-0.0001	39.6406	41.8984
0.868	0.0042	46.4247	-137.7291	0	39.8736	41.9674
0.8705	0.0043	46.5351	-136.2943	-0.0001	39.9875	42.0265
0.8715	0.0044	46.9214	-132.7624	-0.0001	39.8218	42.1299
0.8748	0.0043	46.9766	-133.1487	0.0001	39.9357	42.1496

0.8773	0.0044	46.9214	-133.259	0	40.0548	42.1496
0.8793	0.0044	46.5903	-134.9698	0	40.2411	42.1791
0.8816	0.0044	46.9214	-135.3561	0.0001	40.3499	42.1988
0.884	0.0044	46.811	-137.4531	-0.0001	40.2411	42.2087
0.8865	0.0046	47.1973	-141.0402	0.0002	40.2308	42.1447
0.8899	0.0045	47.5836	-139.6053	0.0002	40.1428	42.2185
0.8917	0.0047	47.7492	-140.3779	0.0001	39.9823	42.1939
0.8948	0.0048	48.0803	-138.1705	0.0003	39.9202	42.2924
0.8973	0.0048	48.2459	-141.0402	0.0003	39.9616	42.2727
0.9003	0.0049	48.6874	-142.5302	0.0004	40.0599	42.3761
0.9015	0.0049	48.9081	-141.7024	0.0005	40.2101	42.3909
0.904	0.0051	48.8529	-143.0269	0.0005	40.1945	42.3909
0.9058	0.0053	49.0737	-146.8347	0.0006	40.1221	42.4549
0.9084	0.0053	48.6874	-145.3998	0.0006	40.0858	42.5583
0.9112	0.0055	48.6874	-148.0487	0.0008	40.2774	42.6618
0.9126	0.0056	48.7977	-147.5521	0.0009	40.5776	42.7898
0.9153	0.0057	49.0737	-148.7661	0.0011	40.7536	42.8735
0.9173	0.0058	49.9014	-147.7176	0.0013	40.5983	42.9277
0.9191	0.0059	48.7977	-146.338	0.0013	40.4689	42.8341
0.9207	0.0061	49.0737	-144.848	0.0016	40.7329	42.9474
0.9225	0.0062	49.9566	-144.5169	0.0017	40.8365	42.9819
0.923	0.0064	49.9566	-151.0287	0.0019	41.0125	42.9671
0.9238	0.0067	50.7292	-151.5806	0.0022	40.997	42.9819
0.9236	0.0069	49.5151	-152.7395	0.0023	41.0539	43.0213
0.9238	0.0072	50.067	-151.691	0.0026	41.085	43.0705
0.9242	0.0075	50.5637	-151.2495	0.0028	41.0177	43.0755
0.9254	0.0077	49.8462	-151.6358	0.003	40.9866	43.1395
0.9254	0.0079	50.6188	-151.5806	0.0033	40.9348	43.1493
0.9259	0.0082	50.2877	-157.4303	0.0035	41.0177	43.1444
0.9259	0.0084	49.2944	-153.8432	0.0038	40.8624	43.1247
0.9265	0.0089	49.6807	-161.0173	0.0041	40.6812	43.1592
0.9261	0.0091	48.1355	-156.7128	0.0045	40.5362	43.2084
0.9258	0.0094	42.1203	-161.1828	0.0047	40.3964	42.9277
0.9266	0.0097	41.0718	-163.0592	0.005	40.3084	42.8194
0.9267	0.01	40.2992	-162.7281	0.0054	40.3291	42.7258
0.9278	0.0104	39.361	-166.2599	0.0057	40.5259	42.8046
0.9257	0.0108	38.5884	-179.3941	0.0062	40.7122	42.7898

0.2809	0.0059	3.9982	-6.7299	0.0029	21.8109	21.3485
0.4269	0.002	32.7388	-108.0393	-0.0003	17.406	22.5287
0.3907	0.0025	35.4428	-49.5979	-0.0004	18.7934	22.7996
0.4009	0.0025	35.9947	-53.185	-0.0005	19.1455	23.0015
0.408	0.0025	36.2154	-48.439	-0.0004	19.4198	23.1591
0.4143	0.0026	36.2154	-49.6531	-0.0005	20.7658	23.2626
0.4202	0.0027	36.7121	-54.1231	-0.0004	24.6122	24.5529
0.4301	0.0027	36.988	-59.4209	-0.0003	27.8529	29.1035
0.4436	0.0027	36.7673	-62.5113	-0.0004	31.3162	33.8954
0.4563	0.0028	36.988	-59.5313	-0.0004	34.1635	36.9243
0.467	0.0027	35.2221	-60.3039	-0.0004	36.0479	38.7218
0.4782	0.0028	34.1184	-63.8909	-0.0004	37.5026	39.9038
0.4875	0.0028	34.008	-64.9395	-0.0004	38.4862	40.7509
0.4937	0.0029	34.6151	-56.3857	-0.0003	39.2938	41.5044
0.4983	0.0029	34.8358	-59.0346	-0.0003	39.858	42.0708
0.5018	0.0029	34.7806	-56.8272	-0.0003	40.3084	42.5485
0.504	0.0029	34.008	-59.2002	-0.0004	40.6242	42.8982
0.5068	0.0028	33.8425	-58.5931	-0.0004	40.8365	43.1444
0.5103	0.0029	33.8425	-59.9176	-0.0003	41.173	43.4448
0.5137	0.0029	33.7321	-63.7254	-0.0004	41.1367	43.632
0.5179	0.0029	34.0632	-58.4828	-0.0003	41.3852	43.8831
0.5202	0.0029	33.7321	-64.4428	-0.0005	41.4991	44.0851
0.5217	0.0029	33.8977	-57.1031	-0.0005	41.5975	44.2771
0.5229	0.0029	34.3391	-56.7168	-0.0004	41.965	44.3806
0.5257	0.0029	34.2288	-59.5865	-0.0003	42.141	44.3904
0.5291	0.003	34.3943	-60.5798	-0.0003	42.4827	44.4938
0.5304	0.003	34.2288	-58.7587	-0.0003	42.7001	44.5923
0.5306	0.0029	34.008	-55.0613	-0.0004	42.7001	44.5874
0.5309	0.0029	33.6217	-57.5998	-0.0003	42.7933	44.6071
0.5323	0.0031	33.3458	-62.7872	-0.0004	42.8917	44.7056
0.535	0.003	33.7321	-60.9661	-0.0004	42.7778	44.7105
0.5366	0.0031	33.2906	-64.9395	-0.0003	42.7001	44.7598
0.5404	0.0031	33.4562	-66.0432	-0.0003	42.8762	44.814
0.542	0.003	34.1184	-66.5398	-0.0004	42.9849	44.8681
0.5441	0.0031	33.7873	-66.6502	-0.0002	42.959	44.8189
0.5464	0.0031	33.7321	-71.5065	-0.0003	42.9952	44.9125

0.5484	0.0031	33.6769	-73.438	-0.0004	42.9176	44.814
0.5514	0.0031	34.1184	-73.3277	-0.0003	42.8347	44.8484
0.5536	0.0031	34.1184	-77.7425	-0.0003	42.7416	44.7844
0.5558	0.0032	34.3943	-76.5836	-0.0003	42.6691	44.7696
0.5578	0.0031	34.008	-78.184	-0.0003	42.5397	44.6908
0.5616	0.0032	34.284	-66.9813	-0.0003	42.462	44.745
0.5645	0.0032	34.1184	-66.5398	-0.0004	42.4206	44.7352
0.5679	0.0031	33.8425	-68.361	-0.0003	42.5138	44.7844
0.5705	0.0031	33.5114	-74.1002	-0.0004	42.607	44.7499
0.5751	0.0032	33.8425	-78.1288	-0.0003	42.7985	44.7499
0.5785	0.0032	33.6217	-83.4266	-0.0003	42.4827	44.6908
0.5827	0.0032	33.6769	-83.4266	-0.0004	42.7208	44.7253
0.5869	0.0033	33.7873	-84.3096	-0.0003	42.6639	44.7499
0.5915	0.0032	33.4562	-84.8062	-0.0004	42.7933	44.6859
0.5966	0.0031	33.4562	-77.6873	-0.0004	42.8399	44.6908
0.6001	0.0032	33.8977	-77.8529	-0.0003	42.7778	44.5726
0.6027	0.0032	33.9528	-81.164	-0.0003	42.726	44.617
0.6049	0.0032	33.8425	-79.4532	-0.0003	42.8762	44.5628
0.607	0.0032	33.8977	-79.5636	-0.0003	42.8762	44.5726
0.6105	0.0034	33.6217	-83.8681	-0.0004	42.8451	44.5726
0.6128	0.0034	33.6769	-101.693	-0.0002	42.8813	44.612
0.618	0.0034	33.8977	-83.9232	-0.0001	42.783	44.6761
0.6213	0.0034	34.3391	-78.9566	-0.0002	42.8606	44.6859
0.6252	0.0034	34.2288	-81.2192	-0.0001	42.8606	44.6219
0.6276	0.0035	34.2288	-81.5503	-0.0001	42.8762	44.6859
0.6313	0.0035	34.1184	-81.4951	-0.0001	42.8813	44.6465
0.6343	0.0036	34.5599	-82.654	-0.0001	42.8451	44.5726
0.6377	0.0035	34.5599	-84.5855	-0.0001	42.7157	44.415
0.6407	0.0036	34.6151	-82.5436	0	42.726	44.5086
0.6417	0.0036	34.5047	-83.537	0	42.7467	44.4052
0.6443	0.0036	34.008	-83.8129	-0.0001	42.6277	44.2968
0.6477	0.0037	34.5599	-88.0622	0	42.3378	44.3855
0.652	0.0038	34.3943	-87.0688	0.0001	42.6743	44.5234
0.6555	0.0038	34.5047	-87.9518	-0.0001	42.783	44.5628
0.6602	0.0039	34.891	-90.987	0.0001	42.9383	44.6514
0.6637	0.0039	34.6702	-90.6007	0.0001	43.0315	44.8041
0.6683	0.004	34.5599	-93.0289	0.0002	42.8037	44.7696
0.6735	0.0041	34.5599	-92.9737	0.0003	42.9124	44.8189

0.6797	0.0043	35.4428	-93.967	0.0005	42.8451	44.7401
0.6853	0.0044	35.1117	-94.6292	0.0005	42.9383	44.7598
0.69	0.0046	35.6636	-93.6911	0.0008	43.1039	44.8829
0.6951	0.0047	35.4428	-94.574	0.0008	43.2282	45.0257
0.6988	0.0048	35.0565	-95.1259	0.0009	43.3938	45.0454
0.7035	0.005	35.0014	-95.7881	0.001	43.5181	45.1833
0.7088	0.0053	35.1117	-96.4503	0.0011	43.3265	45.1291
0.7141	0.0054	34.8358	-98.8785	0.0013	43.2541	45.0503
0.7192	0.0054	34.8358	-99.0441	0.0015	43.1868	44.9371
0.7247	0.0056	35.1669	-103.8452	0.0015	43.1712	44.8829
0.7316	0.0058	35.3877	-99.3752	0.0018	43.1971	44.9617
0.7372	0.006	35.6084	-102.7415	0.002	43.1971	45.0257
0.7431	0.0063	35.2221	-105.3904	0.0022	43.1557	45.011
0.7484	0.0066	35.8291	-109.5845	0.0025	43.2127	44.9716
0.7537	0.0069	35.7188	-117.5864	0.0027	43.1919	44.9913
0.7595	0.007	35.4429	-110.026	0.0028	43.1557	44.8632
0.7646	0.0072	35.6084	-105.1696	0.0032	43.1505	44.8484
0.7678	0.0075	35.8843	-114.1097	0.0035	43.2023	44.8928
0.7713	0.0078	35.2773	-120.2905	0.0039	43.2334	44.9519
0.7766	0.0081	35.498	-120.3456	0.004	43.2799	44.9223
0.7803	0.0085	35.1669	-127.4646	0.0043	43.28	44.8386
0.7851	0.0088	35.1669	-132.7624	0.0045	43.1246	44.8337
0.7895	0.0092	35.2221	-128.3475	0.0047	43.0884	44.8928
0.7951	0.0095	35.498	-128.4579	0.0051	43.0625	44.8583
0.8008	0.0098	35.498	-127.2438	0.0054	43.0884	44.9519
0.8039	0.0103	35.774	-132.1553	0.0058	42.9952	44.9272
0.8077	0.0106	35.6084	-128.789	0.0061	43.047	44.9814
0.8126	0.0111	35.8291	-127.0231	0.0064	43.2023	44.9666
0.8162	0.0117	35.8291	-119.7938	0.007	43.1454	44.9666
0.819	0.0119	35.3877	-114.9926	0.0073	43.1039	45.0996
0.8222	0.0124	35.5532	-112.0126	0.0077	43.0884	45.1685
0.8258	0.0129	35.0565	-114.7719	0.0082	43.0884	45.2079
0.8287	0.0135	35.3325	-111.0745	0.0087	43.0677	45.2375
0.8313	0.0139	35.2773	-112.6749	0.0092	43.1195	45.4542
0.8347	0.0146	35.2221	-115.7101	0.0095	43.1402	45.4246
0.8345	0.0152	35.7188	-161.4588	0.0105	42.7105	45.267
0.8321	0.0156	35.7188	-255.1085	0.0107	42.9642	45.1735

0.2027	0.0176	-2.1108	-6.9782	0.0155	22.9943	22.6029
0.4733	0.0026	30.6969	-122.3875	-0.0004	17.7943	23.1148
0.4254	0.003	33.9528	-58.8139	-0.0004	16.8521	23.4349
0.445	0.0031	34.1184	-81.9918	-0.0005	17.318	23.5876
0.4664	0.003	35.0014	-82.5436	-0.0005	17.8875	23.824
0.4847	0.003	36.1051	-81.1088	-0.0006	20.0618	24.0308
0.4984	0.0031	37.0984	-79.6188	-0.0005	25.689	25.6905
0.51	0.003	38.2021	-74.928	-0.0004	29.9185	31.1424
0.5193	0.0031	38.8643	-75.3695	-0.0003	33.3663	35.6635
0.5271	0.003	36.6569	-71.8928	-0.0006	35.5406	38.19
0.5321	0.0031	36.3258	-71.1754	-0.0004	37.1764	39.7807
0.5359	0.0032	36.1051	-58.8691	-0.0006	38.626	40.8297
0.5407	0.0032	34.7806	-52.6883	-0.0006	39.6303	41.7162
0.5459	0.0031	35.2221	-52.4676	-0.0005	40.4275	42.386
0.5499	0.0031	36.988	-53.792	-0.0005	41.0021	43.0016
0.5537	0.0031	38.3677	-73.6588	-0.0004	41.2092	43.238
0.5606	0.0031	38.9195	-73.4932	-0.0005	41.6337	43.6665
0.5682	0.0031	38.4229	-69.4095	-0.0006	42.1307	44.0112
0.5744	0.0031	37.7054	-76.5836	-0.0005	42.3533	44.2328
0.5813	0.003	37.8158	-81.2192	-0.0006	42.4775	44.3658
0.5888	0.003	37.8158	-62.8424	-0.0005	42.6535	44.5973
0.5964	0.0031	38.4229	-85.1925	-0.0005	42.8813	44.7499
0.6038	0.0031	38.478	-77.5217	-0.0005	43.0107	44.9272
0.6094	0.0031	38.0918	-81.9918	-0.0006	43.0522	44.9125
0.6158	0.0031	33.2906	-83.6473	-0.0005	43.0677	44.9617
0.6207	0.0031	33.5114	-83.2058	-0.0005	43.0625	44.9765
0.6265	0.0031	33.8977	-83.537	-0.0004	43.135	44.9075
0.632	0.0032	35.774	-86.9033	-0.0006	42.8554	44.7795
0.6387	0.0032	35.1669	-87.9518	-0.0004	42.8658	44.8583
0.6455	0.0032	33.7321	-85.4685	-0.0005	42.9693	44.8484
0.6523	0.0033	33.0147	-85.2477	-0.0006	43.0832	44.8928
0.6595	0.0033	33.2354	-87.3999	-0.0005	43.0108	44.9223
0.6669	0.0034	34.008	-85.9651	-0.0006	42.9331	44.878
0.673	0.0032	33.1802	-83.537	-0.0005	42.9124	44.8731
0.6823	0.0031	33.0699	-92.5874	-0.0005	42.7001	44.6958
0.6909	0.0032	33.1802	-94.4637	-0.0005	42.8762	44.7253

0.7004	0.0031	33.5114	-96.5055	-0.0005	42.9435	44.6859
0.7096	0.0032	33.9528	-97.83	-0.0005	43.0108	44.6564
0.7184	0.0032	33.3458	-95.2363	-0.0004	42.9331	44.7007
0.7263	0.0032	33.401	-98.1611	-0.0005	42.9279	44.617
0.735	0.0033	33.0147	-97.1678	-0.0005	42.814	44.5234
0.7428	0.0033	33.2906	-99.8718	-0.0004	42.6173	44.5923
0.7516	0.0033	33.1251	-99.7063	-0.0004	42.6484	44.6416
0.7611	0.0033	32.8491	-100.6996	-0.0007	42.7519	44.6662
0.7695	0.0033	32.8491	-101.4722	-0.0004	42.7312	44.7155
0.7772	0.0033	32.9043	-103.5693	-0.0006	42.7467	44.6908
0.7857	0.0033	33.0699	-103.8452	-0.0004	42.8244	44.7056
0.7939	0.0033	33.2906	-103.5693	-0.0005	42.959	44.7253
0.8017	0.0033	33.0699	-106.163	-0.0004	42.9797	44.7007
0.8093	0.0033	34.008	-107.653	-0.0005	43.0211	44.6662
0.8162	0.0033	33.4562	-109.3085	-0.0004	42.9693	44.6958
0.8239	0.0034	33.5665	-107.5978	-0.0004	42.8762	44.7007
0.8277	0.0034	34.3943	-102.7415	-0.0005	42.959	44.6958
0.8319	0.0034	34.2288	-103.5693	-0.0005	43.1143	44.7401
0.8356	0.0034	33.5665	-103.5693	-0.0005	43.1661	44.7893
0.8405	0.0035	33.1251	-104.2867	-0.0003	43.1971	44.8583
0.8443	0.0035	33.2906	-107.4874	-0.0005	43.2437	44.9568
0.8488	0.0035	34.1184	-106.6597	-0.0005	43.2127	44.8977
0.8519	0.0036	33.8977	-109.2534	-0.0004	43.4404	44.9519
0.8546	0.0036	34.1736	-108.3704	-0.0003	43.4301	44.942
0.8569	0.0036	34.7254	-107.653	-0.0003	43.487	45.0947
0.8589	0.0036	34.1736	-106.8804	-0.0003	43.4974	45.1685
0.8608	0.0037	33.8425	-110.1915	-0.0003	43.5595	45.2326
0.8655	0.0039	33.8425	-134.749	-0.0004	43.4353	44.9321
0.8763	0.0039	34.008	-102.4104	-0.0004	43.135	44.8583
0.879	0.004	33.7873	-104.0107	-0.0003	43.4094	45.1981
0.8804	0.004	34.6151	-101.5826	-0.0003	43.5025	45.3409
0.8817	0.0041	33.8977	-104.0659	-0.0002	43.6786	45.3902
0.8834	0.0041	34.2288	-105.4456	-0.0002	43.7303	45.4246
0.8847	0.0041	34.3391	-106.77	-0.0001	43.7148	45.4394
0.8858	0.0042	40.6303	-104.6178	-0.0001	43.223	45.0799
0.888	0.0042	42.8377	-104.4522	0.0001	43.28	45.1341
0.8899	0.0042	44.2173	-106.3837	0	43.0677	45.1193
0.891	0.0043	44.4381	-104.2867	0.0001	43.1505	45.2474

0.8914	0.0045	44.4381	-105.7215	0.0001	43.456	45.2178
0.8934	0.0045	43.8862	-105.6663	0.0002	43.4352	45.2178
0.8947	0.0047	43.831	-107.5978	0.0004	43.3938	45.4296
0.8963	0.0048	43.3344	-107.0459	0.0004	43.7614	45.5724
0.8983	0.0049	42.7825	-106.4389	0.0004	44.0254	45.7595
0.8988	0.005	41.9547	-108.8119	0.0006	44.1548	45.8679
0.9002	0.0052	41.0166	-108.7567	0.0008	44.1807	46.0107
0.9029	0.0052	40.4095	-109.5293	0.0009	44.2894	46.0944
0.9041	0.0054	40.5751	-110.2467	0.0008	44.1497	46.0846
0.9056	0.0055	40.6855	-111.0193	0.0011	44.1134	46.124
0.9073	0.0057	41.1821	-112.3437	0.0012	44.0979	46.1535
0.9091	0.0059	41.0166	-110.5778	0.0015	44.0824	46.2028
0.9098	0.0061	38.3125	-111.24	0.0017	44.2946	46.1782
0.9094	0.0064	38.3125	-113.2267	0.0018	44.2687	46.2619
0.9111	0.0065	39.0299	-114.2201	0.0021	44.3516	46.2865
0.9119	0.0068	38.1469	-113.9441	0.0023	44.4137	46.3801
0.9126	0.0069	39.3058	-115.8756	0.0025	44.5069	46.4884
0.9138	0.0071	38.4229	-116.2067	0.0026	44.5224	46.513
0.9138	0.0075	38.3677	-129.0649	0.0029	44.5535	46.6116
0.9118	0.0078	38.2573	-190.3208	0.0031	44.6466	46.5623
0.9075	0.0081	39.4714	-312.0598	0.0033	44.2843	46.2865

0.208	0.0095	-314.17	-341.6337	0.0068	18.9734	19.2165
0.4609	0.0017	33.8425	-124.8708	-0.0005	17.3853	21.268
0.4159	0.0021	40.6855	-51.3087	-0.0005	18.4569	21.7654
0.4297	0.0022	41.9547	-51.1983	-0.0005	18.985	22.0412
0.4436	0.0023	42.2307	-50.5912	-0.0006	19.6062	22.2825
0.4575	0.0022	42.2307	-50.7016	-0.0005	20.5536	22.4943
0.4715	0.0023	41.2925	-50.8672	-0.0005	23.9341	23.2872
0.4853	0.0024	41.1821	-65.7672	-0.0005	26.4293	27.0252
0.5001	0.0025	43.0584	-67.6435	-0.0005	29.5665	24.8237
0.5125	0.0025	43.4447	-64.2221	-0.0005	31.8184	33.4029
0.5243	0.0025	46.2592	-52.5779	-0.0004	33.387	36.7174
0.5348	0.0025	56.7444	-51.5294	-0.0004	34.6087	37.8945
0.546	0.0026	46.8662	-51.419	-0.0005	35.5199	38.7071
0.5581	0.0026	45.5418	-51.4742	-0.0005	36.2653	39.2981
0.5701	0.0027	46.5351	-51.3087	-0.0004	36.8348	39.6871

0.5824	0.0027	47.8596	-50.9776	-0.0004	37.0833	39.9481
0.5945	0.0027	48.1907	-51.5294	-0.0004	37.7977	40.5145
0.6067	0.0028	47.9148	-51.1431	-0.0004	38.4137	40.8691
0.6182	0.0027	48.9081	-52.1364	-0.0004	38.4862	41.2089
0.6301	0.0027	49.9566	-52.302	-0.0003	38.6001	41.465
0.6415	0.0028	50.3429	-52.5779	-0.0004	38.802	41.5832
0.6519	0.0029	50.5085	-52.0813	-0.0003	39.0453	41.6916
0.6621	0.0029	50.067	-52.0813	-0.0003	39.2886	41.7753
0.6743	0.003	50.1774	-51.419	-0.0004	39.2058	41.928
0.6855	0.003	50.1774	-51.8053	-0.0004	39.2938	42.0018
0.6961	0.003	50.3429	-51.5846	-0.0003	39.6096	42.1003
0.7078	0.003	50.3429	-51.8053	-0.0004	39.858	42.2629
0.7187	0.0031	50.6188	-51.9157	-0.0004	39.7597	42.3367
0.729	0.0031	51.1155	-52.1916	-0.0004	39.8011	42.3515
0.7392	0.0031	53.8748	-52.302	-0.0003	39.915	42.4648
0.7488	0.0032	56.5237	-60.3039	-0.0003	39.8632	42.45
0.7612	0.0031	56.7996	-92.8633	-0.0004	39.9926	42.5239
0.7742	0.0033	56.4685	-93.0288	-0.0004	40.2101	42.5583
0.7863	0.0032	56.6892	-95.0707	-0.0003	40.2411	42.5633
0.7983	0.0034	56.4685	-101.3618	-0.0003	40.3447	42.6667
0.8116	0.0033	57.0755	-99.8718	-0.0002	40.5155	42.7898
0.8235	0.0033	56.9652	-101.5826	-0.0004	40.5414	42.78
0.8355	0.0034	57.1859	-98.1611	-0.0003	40.5103	42.8588
0.8451	0.0035	56.7996	-97.554	-0.0003	40.4689	42.8538
0.8533	0.0036	56.91	-101.6378	-0.0002	40.6035	42.9474
0.8634	0.0036	56.4685	-99.4304	-0.0003	40.443	42.9671
0.8716	0.0035	55.6959	-97.2781	-0.0003	40.4637	42.9917
0.8798	0.0037	54.6474	-98.437	-0.0002	40.324	43.0361
0.8873	0.0036	50.1222	-100.2581	-0.0004	40.2774	43.041
0.895	0.0037	47.3629	-104.0659	-0.0002	40.3602	43.0016
0.9028	0.0036	48.577	-106.2733	-0.0002	40.5259	43.0361
0.9096	0.0037	48.4114	-108.536	-0.0003	40.588	43.0164
0.9165	0.0037	48.3011	-100.4237	-0.0001	40.5673	43.0016
0.9234	0.0038	48.8529	-103.9556	-0.0001	40.531	42.977
0.9286	0.0039	48.5218	-108.7567	-0.0001	40.4793	42.9868
0.9348	0.004	50.067	-104.0659	-0.0001	40.9607	43.0311
0.9406	0.004	50.067	-107.7082	0	41.0591	43.0755
0.9463	0.0039	49.4599	-113.1715	-0.0001	41.0643	43.0804

0.9526	0.004	49.2392	-121.2286	0	41.1316	43.1149
0.9615	0.0041	49.6255	-121.8356	0	41.0591	43.1099
0.9701	0.0041	51.0051	-125.0364	0	40.7847	43.1986
0.9774	0.0041	53.654	-119.849	0	40.6605	43.1838
0.9815	0.0041	53.654	-116.6482	0	40.588	43.1444
0.9837	0.0043	54.1507	-123.7671	0.0001	40.5259	43.1099
0.9855	0.0043	52.1088	-114.7719	0.0002	40.5103	43.1149
0.9876	0.0044	51.8329	-119.9042	0.0002	40.5517	43.1444
0.9905	0.0045	52.6607	-119.1316	0.0002	40.5983	43.1838
0.9915	0.0047	52.7711	-127.1335	0.0003	40.5621	43.1986
0.9944	0.0046	52.8263	-127.5197	0.0003	40.7329	43.302
0.996	0.0047	52.8263	-126.9127	0.0004	40.8831	43.2774
0.9957	0.0047	52.8263	-129.2305	0.0005	40.9245	43.3168
0.9967	0.0047	53.8196	-125.4779	0.0004	41.0228	43.3611
0.9976	0.0049	53.5437	-129.7272	0.0004	41.0487	43.4399
0.9976	0.005	54.4818	-126.3609	0.0006	41.1109	43.5335
0.9966	0.0051	54.6474	-126.692	0.0008	41.4059	43.5926
0.9967	0.0052	55.2544	-126.0849	0.0007	41.3283	43.4941
0.9964	0.0053	55.1992	-122.0012	0.001	41.3852	43.6074
0.9968	0.0054	54.537	-112.6197	0.0009	41.4318	43.7403
0.9978	0.0056	54.2611	-120.5112	0.0009	41.6544	43.829
0.9987	0.0056	54.9233	-113.1163	0.001	41.877	43.9964
0.9986	0.0058	56.8548	-121.4493	0.0012	41.8926	44.0457
0.9985	0.0059	56.9652	-112.8956	0.0014	41.9754	44.1294
0.9978	0.006	58.2344	-118.966	0.0015	42.0427	44.2574
0.9986	0.0061	58.8967	-128.4579	0.0016	42.2705	44.3412
0.9985	0.0062	58.7311	-134.9146	0.0018	42.3067	44.3707
0.9982	0.0065	58.7863	-132.4313	0.0019	42.3326	44.4298
0.9959	0.0067	59.1726	-137.8946	0.0021	42.3585	44.4446
0.9931	0.0067	58.7863	-132.652	0.0022	42.3947	44.4791
0.9933	0.0072	58.8415	-136.7357	0.0024	42.3171	44.4889
0.9951	0.0073	58.5104	-132.9831	0.0025	42.2601	44.484
0.9957	0.0074	58.6207	-140.3228	0.0027	42.2498	44.4397
0.9962	0.0076	59.3933	-139.8813	0.0028	42.3378	44.5726
0.9962	0.0078	59.7244	-143.1924	0.0031	42.2498	44.617
0.9955	0.0079	59.007	-143.3028	0.0032	42.3844	44.6416
0.9959	0.0082	58.7863	-146.0069	0.0035	42.3999	44.6071
0.9968	0.0084	58.5656	-148.2143	0.0037	42.4154	44.617

0.9964	0.0087	59.0622	-149.318	0.004	42.3326	44.5529
0.9959	0.0088	60.3315	-146.7243	0.0041	42.2549	44.5382
0.9927	0.0092	61.2696	-149.7043	0.0045	42.1928	44.5382
0.9907	0.0096	60.497	-146.945	0.0049	42.1048	44.484
0.9897	0.0098	61.6559	-144.1857	0.0049	42.1152	44.5579
0.9902	0.0101	61.2696	-146.338	0.0052	42.0789	44.4594
0.9906	0.0105	62.5941	-152.6843	0.0056	42.0841	44.4643
0.9922	0.0107	62.6493	-148.0487	0.0058	42.0789	44.548
0.9916	0.0109	61.7663	-154.0639	0.0061	42.1928	44.5923
0.992	0.0115	62.0974	-153.2914	0.0063	42.2187	44.7056
0.9929	0.0116	60.6074	-149.5939	0.0066	42.4879	44.6859
0.993	0.0118	60.8833	-143.7443	0.0071	42.3895	44.6711
0.9933	0.0122	60.1107	-149.4284	0.0074	42.4206	44.7549
0.9935	0.0125	60.9385	-146.8898	0.0077	42.374	44.8189
0.993	0.0127	61.0489	-149.318	0.0081	42.4102	44.8878
0.992	0.0131	62.0422	-146.7795	0.0084	42.4361	44.9617
0.9915	0.0137	60.5522	-148.4902	0.0089	42.4361	44.9666
0.9908	0.0142	61.8767	-152.7395	0.0094	42.4309	45.0454
0.9905	0.0145	60.8833	-179.1181	0.0095	42.5604	45.1045

0.3277	0.0042	-44.179	-59.9728	0.0033	20.0124	19.7883
0.5664	0.0017	28.1584	-129.4512	-0.0003	19.0678	21.4896
0.4958	0.0025	34.7806	-48.9357	-0.0004	19.2594	21.529
0.4993	0.0024	33.8977	-49.4324	-0.0004	19.4147	21.6718
0.5028	0.0024	34.891	-49.2668	-0.0004	19.8806	21.7161
0.5061	0.0024	35.5532	-48.9357	-0.0004	20.5898	21.8984
0.5092	0.0024	36.381	-49.2116	-0.0003	23.5458	22.8242
0.5118	0.0024	37.0432	-49.2668	-0.0004	26.2378	26.9513
0.514	0.0023	35.8291	-50.3153	-0.0003	29.9392	32.3441
0.5156	0.0024	35.8291	-50.812	-0.0003	32.9935	35.9294
0.5169	0.0025	36.0499	-51.3638	-0.0003	34.9918	37.8797
0.5182	0.0024	35.5532	-51.5846	-0.0003	36.5604	39.0764
0.5187	0.0024	34.891	-51.8053	-0.0005	37.4664	39.9087
0.5196	0.0025	34.7806	-51.695	-0.0004	37.865	40.48
0.5198	0.0025	34.4495	-51.9157	-0.0004	38.5587	40.9873
0.5204	0.0025	34.3943	-51.6398	-0.0003	38.9366	41.3025
0.5204	0.0025	34.1184	-51.6398	-0.0004	39.0142	41.5143

0.5204	0.0024	36.9329	-52.2468	-0.0004	39.4491	41.9723
0.5203	0.0025	36.6017	-51.9709	-0.0003	39.7338	42.2382
0.5204	0.0025	36.381	-52.1364	-0.0004	39.8788	42.4943
0.5198	0.0025	36.1051	-52.0812	-0.0004	39.6613	42.6962
0.5193	0.0025	36.2154	-52.5779	-0.0003	39.9409	42.8735
0.5193	0.0025	36.7121	-52.2468	-0.0003	40.1842	42.9917
0.5189	0.0024	36.6569	-52.4124	-0.0004	40.3447	43.0853
0.5181	0.0026	36.7673	-52.6331	-0.0003	40.5932	43.1887
0.5172	0.0026	36.8225	-51.9157	-0.0004	40.6863	43.2035
0.5168	0.0026	36.2706	-51.8053	-0.0003	40.6191	43.2823
0.5152	0.0026	35.8843	-51.8053	-0.0003	40.7485	43.3513
0.5136	0.0026	36.6569	-52.0813	-0.0004	40.8002	43.3463
0.5121	0.0027	37.264	-52.0261	-0.0003	40.7381	43.1838
0.5105	0.0026	37.2088	-52.4675	-0.0003	40.8261	43.3119
0.5087	0.0027	37.7054	-52.302	-0.0002	40.8831	43.3414
0.5064	0.0027	38.0366	-51.8605	-0.0003	41.0332	43.4645
0.5046	0.0028	37.8158	-51.695	-0.0001	41.0901	43.499
0.5017	0.0027	40.4095	-52.4676	-0.0002	41.0746	43.5433
0.5	0.0028	43.0033	-51.6398	-0.0002	41.0073	43.5335
0.4979	0.0028	46.5903	-52.1916	-0.0001	40.7899	43.5089
0.4963	0.0028	45.1555	-87.0136	-0.0001	40.676	43.3562
0.4975	0.003	41.734	-100.5892	-0.0001	40.7278	43.3759
0.4988	0.003	46.7559	-101.2515	-0.0001	40.588	43.3119
0.5001	0.0031	49.0737	-104.5074	0	40.5983	43.366
0.5012	0.0031	50.4533	-105.0593	0	40.7381	43.4054
0.5017	0.0031	50.3981	-106.8252	-0.0001	40.7795	43.4596
0.5036	0.0032	51.2259	-108.1497	0	40.94	43.4941
0.5053	0.0033	51.9433	-111.8471	0.0001	41.0125	43.4892
0.5071	0.0034	51.9433	-108.7567	0.0001	40.8727	43.5286
0.5072	0.0034	53.047	-110.2467	0.0001	40.8365	43.5286
0.5098	0.0035	53.2126	-114.1097	0.0002	40.8779	43.5089
0.5111	0.0035	51.2259	-114.496	0.0001	40.5621	43.3069
0.5124	0.0036	51.557	-114.4408	0.0004	40.531	43.4251
0.5132	0.0038	53.1574	-113.3923	0.0005	40.6087	43.5138
0.5132	0.0038	52.9918	-112.6749	0.0004	40.6605	43.5236
0.5127	0.0038	52.2744	-109.75	0.0005	40.9711	43.5089
0.5123	0.0039	52.9366	-112.6749	0.0005	40.7019	43.3316
0.513	0.004	51.6674	-113.6682	0.0006	40.7692	43.4892

0.5133	0.0041	52.6607	-115.5997	0.0008	40.9141	43.5778
0.5141	0.0042	51.2259	-116.9241	0.0008	41.0901	43.6665
0.5143	0.0042	51.3363	-118.4142	0.0009	41.1989	43.6763
0.5154	0.0043	51.3363	-119.2419	0.0009	41.116	43.7256
0.5154	0.0044	52.0537	-119.2419	0.0011	41.1678	43.8043
0.5159	0.0045	51.8881	-121.3941	0.0012	41.0694	43.8093
0.5178	0.0047	49.7911	-122.0012	0.0015	41.2506	43.8979
0.5191	0.0047	48.0803	-121.5597	0.0015	41.2558	43.8831
0.5191	0.0049	48.7425	-124.8708	0.0016	41.0228	43.8733
0.5205	0.005	46.6455	-124.4845	0.0017	41.0125	43.76
0.5213	0.0052	45.321	-126.0849	0.0018	40.94	43.6517
0.5226	0.0053	44.714	-123.4912	0.0019	40.8675	43.7354
0.5217	0.0054	44.714	-121.8908	0.002	40.9866	43.6714
0.5213	0.0056	44.107	-123.436	0.0022	40.94	43.5729
0.5211	0.0057	43.3895	-126.0297	0.0024	41.261	43.7453
0.5198	0.0058	43.1688	-126.3057	0.0026	41.3904	43.9176
0.5202	0.0061	43.6103	-127.5197	0.0026	41.2558	44.0654
0.52	0.0062	43.4999	-128.3475	0.0026	41.3076	44.1442
0.5205	0.0063	43.7207	-131.1068	0.0028	41.5561	44.2328
0.521	0.0065	43.3895	-130.4998	0.003	41.9288	44.2525
0.5217	0.0067	42.341	-132.3761	0.0032	41.7942	44.2328
0.5223	0.0069	41.6236	-130.4998	0.0034	41.8874	44.3756
0.5219	0.0071	40.5199	-128.4579	0.0036	41.9081	44.4249
0.522	0.0073	40.7958	-131.1068	0.0038	41.8615	44.287
0.5222	0.0076	40.5751	-132.8727	0.004	41.7269	44.287
0.5229	0.0079	40.7958	-132.9831	0.0042	41.846	44.3855
0.5226	0.008	41.8995	-132.2657	0.0045	42.022	44.5086
0.5211	0.0083	42.2307	-129.9479	0.0047	42.2239	44.617
0.5198	0.0086	41.2925	-130.5549	0.0049	41.8615	44.6958
0.5194	0.0088	42.0099	-132.4313	0.0052	41.9236	44.7401
0.5189	0.0091	41.5684	-132.8727	0.0054	41.9599	44.7696
0.5191	0.0094	42.6721	-135.3009	0.0057	42.1307	44.8238
0.5186	0.0098	46.3696	-134.5283	0.006	42.2601	44.8435
0.519	0.0099	46.9766	-135.3561	0.0064	42.022	44.814
0.5193	0.0104	47.8044	-136.0183	0.0068	42.0065	44.7647
0.5196	0.0107	47.4181	-136.515	0.0071	42.229	44.8238
0.5197	0.011	47.1973	-137.5083	0.0074	42.2135	44.7943
0.5194	0.0114	48.4114	-137.1772	0.0078	42.1721	44.6367

0.5202	0.0117	47.9699	-137.8394	0.0081	42.1462	44.5973
0.519	0.012	48.3011	-138.2809	0.0084	42.0064	44.6859
0.5188	0.0127	49.5703	-138.0602	0.0089	41.9236	44.5874
0.5164	0.013	48.9081	-137.5635	0.0092	41.9029	44.7302
0.5152	0.0134	49.2392	-139.6054	0.0097	41.846	44.6662
0.5138	0.0136	49.7911	-141.8128	0.0099	42.0271	44.6564
0.5145	0.0141	49.4599	-143.6339	0.0102	42.0271	44.7155
0.5153	0.0146	50.5085	-145.2343	0.0107	42.1255	44.7795
0.5151	0.0151	49.6255	-144.9032	0.0112	42.1825	44.8189
0.5148	0.0155	49.1288	-144.848	0.0115	42.1669	44.8337
0.5154	0.0159	49.5703	-146.1724	0.0121	42.2083	44.8189
0.5162	0.0164	49.7359	-141.2057	0.0125	42.2549	44.8878
0.5164	0.017	50.067	-143.082	0.013	42.1359	44.8829
0.5166	0.0175	50.2325	-144.2409	0.0136	42.0634	44.9519
0.5167	0.018	49.2944	-147.5521	0.014	42.2756	44.9223
0.5153	0.0184	49.6807	-160.0792	0.0143	42.2912	44.9371

0.2422	0.0057	1.4155	-6.5809	0.0044	21.9786	22.1729
0.4639	0.0019	31.9662	-122.1667	-0.0003	19.073	24.0949
0.4204	0.0023	36.3258	-47.0042	-0.0002	19.7253	24.3854
0.4265	0.0022	37.0984	-47.0042	-0.0003	19.7149	24.5135
0.432	0.0023	37.4295	-47.3353	-0.0002	20.4293	24.6957
0.4374	0.0023	38.5332	-47.0042	-0.0003	22.8314	24.8976
0.4434	0.0023	39.4162	-46.7835	-0.0003	26.7761	27.4684
0.4481	0.0023	38.4229	-48.2183	-0.0002	30.5242	32.7578
0.4527	0.0023	37.2088	-49.2116	-0.0004	33.6407	36.678
0.4564	0.0023	36.8225	-49.5427	-0.0004	35.4733	38.8597
0.4606	0.0024	35.5532	-50.4257	-0.0003	36.8814	40.3815
0.4639	0.0024	34.9462	-50.2601	-0.0003	38.4189	41.4552
0.4681	0.0024	35.498	-50.1498	-0.0003	39.7286	42.1348
0.4702	0.0023	36.2706	-50.8672	-0.0004	40.2826	42.6618
0.4734	0.0025	35.0014	-72.4447	-0.0003	40.5362	42.9967
0.4805	0.0024	34.3943	-88.4485	-0.0003	40.443	43.2922
0.4862	0.0025	35.1669	-85.3581	-0.0002	40.8934	43.6714
0.4897	0.0026	34.5599	-76.5836	-0.0002	41.3283	43.893
0.4933	0.0026	34.4495	-89.7729	-0.0003	41.6182	44.1245
0.4982	0.0025	34.5047	-91.7044	-0.0003	41.7683	44.218

0.5032	0.0026	34.3943	-96.7263	-0.0004	41.8977	44.3559
0.5069	0.0026	34.8358	-94.574	-0.0004	42.022	44.4692
0.5102	0.0027	34.4495	-98.7681	-0.0002	41.789	44.5726
0.5147	0.0026	34.5047	-100.8652	-0.0003	41.9754	44.7105
0.5175	0.0027	34.891	-102.3	-0.0003	42.0634	44.7007
0.5216	0.0026	34.6151	-104.6178	-0.0003	42.0893	44.7499
0.5254	0.0028	34.891	-102.7967	-0.0002	42.286	44.745
0.528	0.0027	35.3877	-106.4941	-0.0002	42.2083	44.7007
0.5294	0.0027	34.9462	-109.4741	-0.0003	42.2446	44.6859
0.5314	0.0027	34.5599	-106.77	-0.0003	42.2808	44.7105
0.5329	0.0028	34.9462	-107.653	-0.0002	42.2342	44.7401
0.5348	0.0028	34.8358	-105.28	-0.0003	42.1048	44.7893
0.536	0.0029	34.6151	-103.9004	-0.0002	42.0634	44.745
0.5389	0.0028	34.0632	-103.79	-0.0002	42.053	44.6662
0.5426	0.0028	33.2354	-102.7967	-0.0003	42.2342	44.6958
0.5462	0.0028	33.4562	-105.0041	-0.0003	42.0944	44.5973
0.549	0.0028	33.4562	-106.2182	-0.0002	42.0582	44.6219
0.5529	0.0029	33.3458	-113.1715	-0.0003	42.2187	44.5825
0.5564	0.0028	33.3458	-110.1915	-0.0002	42.2653	44.7302
0.5613	0.0029	33.401	-111.7367	-0.0002	42.2549	44.6662
0.5662	0.0028	33.9528	-110.8537	-0.0005	42.4361	44.7598
0.5711	0.0029	34.008	-110.4674	-0.0002	42.4982	44.8337
0.576	0.0029	34.5047	-111.6815	-0.0002	42.2963	44.7598
0.581	0.0029	35.774	-116.2067	-0.0003	42.2963	44.7696
0.5862	0.0031	36.6569	-117.4208	-0.0003	42.3636	44.8435
0.5919	0.003	36.7121	-119.6834	-0.0002	42.4879	44.9617
0.5985	0.0029	35.4428	-118.4693	-0.0003	42.3792	44.8189
0.6033	0.003	33.3458	-120.4008	-0.0003	42.5345	44.9322
0.608	0.003	34.5599	-118.8556	-0.0003	42.6639	45.0454
0.6121	0.0031	34.1184	-122.2771	-0.0002	42.7933	45.0602
0.6174	0.003	34.6151	-126.5816	-0.0002	42.8399	45.0011
0.6263	0.0031	34.3943	-115.9308	-0.0002	42.8969	45.1193
0.6307	0.0031	34.5599	-117.1449	-0.0002	42.7519	45.0947
0.6348	0.0031	35.0565	-119.7386	-0.0001	42.5086	45.0996
0.6396	0.0031	35.0014	-120.6768	-0.0002	42.5966	45.0257
0.644	0.0031	34.8358	-115.4893	-0.0001	42.7157	45.0159
0.6483	0.0032	35.1669	-119.1867	-0.0002	42.7001	45.07
0.6518	0.0033	34.891	-127.299	-0.0001	42.726	45.0947

0.6571	0.0033	34.7806	-129.5616	-0.0002	42.8658	45.0996
0.663	0.0032	35.6084	-134.3627	-0.0002	42.7674	45.1292
0.6688	0.0033	34.891	-132.1001	-0.0003	42.6794	45.0947
0.6738	0.0034	35.1117	-132.4864	-0.0002	42.7312	45.0996
0.681	0.0035	35.498	-129.4512	0	42.6743	45.1538
0.6877	0.0034	36.7121	-135.6872	-0.0001	42.6277	44.9715
0.6957	0.0035	37.7055	-133.5901	-0.0001	42.5448	44.814
0.7013	0.0036	35.9947	-137.2876	-0.0001	42.8658	44.7893
0.7086	0.0035	36.4914	-136.9565	-0.0001	42.9538	44.9568
0.7139	0.0038	36.6569	-137.8946	0.0001	43.135	45.1833
0.7196	0.0037	36.1051	-137.122	0.0001	43.368	45.272
0.7263	0.0038	37.3743	-131.2724	0.0002	43.3421	45.3902
0.7328	0.0039	36.3258	-132.4864	0.0002	43.3731	45.5084
0.7389	0.004	36.4914	-135.4113	0.0003	43.2075	45.597
0.7452	0.0041	36.8225	-143.9098	0.0003	43.1298	45.6413
0.7522	0.0041	37.264	-144.2961	0.0004	43.4922	45.8531
0.7596	0.0042	37.6503	-138.2257	0.0004	43.6734	45.8777
0.7656	0.0044	37.3743	-143.965	0.0007	43.9685	45.9812
0.7735	0.0045	37.264	-137.122	0.0008	43.8753	46.0501
0.7794	0.0047	37.9262	-134.142	0.0008	44.0617	46.1634
0.7852	0.0048	38.0366	-135.6872	0.0008	44.1963	46.2619
0.7917	0.005	38.478	-136.6805	0.001	43.984	46.2176
0.7972	0.0051	38.4229	-136.9565	0.0012	43.9219	46.1979
0.803	0.0055	38.3677	-140.2676	0.0015	44.0306	46.2077
0.8088	0.0056	38.8092	-138.6672	0.0017	44.0151	46.2176
0.8161	0.0058	38.754	-138.4465	0.0017	43.9944	46.2274
0.8222	0.006	38.5884	-132.9279	0.0019	43.8856	46.1732
0.8285	0.0062	38.8092	-138.1705	0.002	43.896	46.2619
0.8342	0.0065	38.754	-141.2057	0.0023	43.9944	46.3161
0.8405	0.0067	39.1403	-142.475	0.0027	43.9581	46.1141
0.8463	0.007	39.9129	-141.1506	0.0028	43.6837	46.2865
0.8501	0.0073	39.4162	-142.2542	0.0029	43.7252	46.3062
0.8559	0.0077	39.9681	-144.9583	0.0033	43.6527	46.4244
0.8609	0.0078	39.5818	-143.6339	0.0036	43.7925	46.5623
0.866	0.0081	39.968	-144.848	0.0039	43.808	46.6263
0.8708	0.0087	40.0784	-144.4617	0.0043	43.7614	46.7002
0.8756	0.0089	40.2992	-147.7728	0.0045	43.6837	46.7199
0.8811	0.0093	39.9681	-149.7043	0.0048	43.7045	46.6903

0.8861	0.0097	40.4095	-151.415	0.0053	43.5906	46.5722
0.8919	0.0101	40.851	-146.5035	0.0057	43.6372	46.6559
0.8968	0.0106	40.6855	-148.8213	0.0061	43.7666	46.715
0.9025	0.0112	41.0166	-145.2894	0.0066	43.7355	46.8529
0.9077	0.0114	40.851	-145.5654	0.0069	44.1393	46.9317
0.9114	0.0119	40.6303	-152.8499	0.0074	44.1134	46.9415
0.9156	0.0124	40.4095	-155.9954	0.0078	44.4654	47.0449
0.9214	0.0128	40.5751	-155.0573	0.0082	44.6622	47.1385
0.9271	0.0134	40.9614	-159.748	0.009	44.5793	47.2321
0.9316	0.0138	40.6303	-162.1762	0.0092	44.2894	47.2813
0.9369	0.0145	41.0718	-167.474	0.0096	44.2584	47.1582

0.7885	0.0005	3.9485	-7.4749	-0.0004	16.7184	18.8353
0.6059	0.0019	30.421	-100.203	-0.0004	16.6916	20.2436
0.5973	0.0024	33.6769	-67.7539	-0.0006	17.5355	20.6917
0.6063	0.0023	34.1184	-59.4209	-0.0007	17.8357	20.9528
0.6138	0.0023	34.3943	-59.0346	-0.0004	18.2447	21.2483
0.6215	0.0023	35.6636	-54.675	-0.0006	19.2387	21.4797
0.6278	0.0023	37.264	-50.3705	-0.0005	22.6295	22.8045
0.6342	0.0024	37.6503	-56.7168	-0.0005	26.1963	27.4635
0.6409	0.0024	37.5399	-52.1364	-0.0005	29.9185	32.6396
0.6477	0.0024	37.264	-52.0261	-0.0004	32.8279	35.9688
0.6525	0.0025	37.1536	-51.9709	-0.0005	34.7019	37.8107
0.6577	0.0025	36.9329	-57.1031	-0.0004	36.2601	39.0715
0.6644	0.0025	38.2573	-70.3476	-0.0005	37.3266	39.9284
0.6713	0.0026	38.2021	-73.7691	-0.0005	38.2015	40.6229
0.6794	0.0026	37.871	-77.3562	-0.0006	38.3723	41.2533
0.6883	0.0025	38.754	-79.0117	-0.0005	38.8952	41.6571
0.6953	0.0026	36.1051	-58.5379	-0.0005	39.5112	42.1594
0.7031	0.0027	36.5466	-69.2991	-0.0005	39.8632	42.4057
0.711	0.0027	36.6017	-68.6921	-0.0004	40.1169	42.5189
0.7205	0.0027	36.7121	-72.0584	-0.0005	40.6035	42.844
0.7295	0.0028	36.7673	-77.2458	-0.0004	40.6398	42.9326
0.7406	0.0028	36.988	-78.2392	-0.0005	40.6346	43.238
0.7516	0.0028	38.478	-83.1507	-0.0006	40.8002	43.2872
0.7622	0.0029	39.3058	-79.7292	-0.0005	40.6812	43.3808
0.7724	0.0028	39.5818	-82.047	-0.0005	40.94	43.5039
0.7822	0.003	39.6921	-84.6407	-0.0005	41.1109	43.4645

0.7924	0.0029	40.1888	-85.4684	-0.0003	40.8986	43.4596
0.8009	0.0029	40.1336	-86.2962	-0.0005	40.7536	43.3759
0.81	0.003	40.6303	-87.2344	-0.0005	40.8261	43.3611
0.8193	0.003	40.2992	-87.5103	-0.0004	41.0746	43.435
0.8283	0.0031	40.5751	-82.047	-0.0003	41.028	43.5483
0.8357	0.0032	37.7054	-80.8881	-0.0005	41.0228	43.5975
0.8445	0.0032	37.8158	-86.241	-0.0003	41.1885	43.76
0.8533	0.0031	37.7606	-87.0688	-0.0004	41.3335	43.8044
0.8616	0.0032	37.4847	-92.0907	-0.0004	41.4318	43.7748
0.869	0.0031	37.9262	-91.9251	-0.0004	41.3801	43.8043
0.8778	0.0032	38.8092	-92.2563	-0.0003	41.5975	43.8684
0.8847	0.0032	40.4647	-91.9251	-0.0003	41.5509	43.7058
0.8934	0.0032	41.4581	-89.0003	-0.0004	41.525	43.8093
0.9021	0.0034	41.6788	-86.6273	-0.0003	41.437	43.8388
0.9113	0.0034	41.8995	-89.3866	-0.0004	41.4422	43.7846
0.9193	0.0034	39.8025	-91.4837	-0.0005	41.4266	43.8241
0.9264	0.0034	40.9062	-92.477	-0.0004	41.5043	43.9275
0.936	0.0034	40.851	-94.6844	-0.0004	41.613	43.9915
0.9443	0.0034	41.0718	-96.947	-0.0003	41.3749	43.9521
0.9521	0.0036	42.2858	-93.4703	-0.0003	41.5923	43.9669
0.9599	0.0037	40.244	-89.497	-0.0004	41.5043	44.0161
0.9659	0.0036	39.3058	-93.0288	-0.0003	41.6026	43.9373
0.9713	0.0037	39.6921	-93.1392	-0.0003	41.7269	43.9816
0.9799	0.0037	40.7958	-92.2011	-0.0003	41.7838	44.0309
0.9821	0.0039	40.851	-89.6074	-0.0002	41.7787	44.026
0.9865	0.0038	40.5199	-91.0422	-0.0003	41.8304	44.0407
0.9878	0.0039	40.7958	-90.9318	-0.0003	41.877	44.021
0.9873	0.0039	39.9681	-91.2077	-0.0002	41.965	44.1245
0.9863	0.0039	41.4581	-93.6359	-0.0003	42.0996	44.2328
0.985	0.0039	40.9614	-93.5807	-0.0003	42.1618	44.2131
0.9846	0.0041	41.1269	-95.2915	-0.0002	42.1566	44.2279
0.9852	0.004	41.8444	-97.3333	-0.0002	41.9806	44.3215
0.9853	0.004	40.5751	-99.8718	-0.0001	42.0893	44.2771
0.9847	0.0041	41.2925	-99.4856	0	41.9599	44.3018
0.9836	0.004	41.0718	-96.7263	-0.0001	41.8511	44.154
0.9846	0.0041	41.1821	-95.457	0	41.9443	44.1245
0.986	0.0042	41.8995	-96.947	-0.0001	42.0582	44.1589
0.9855	0.0041	41.734	-99.9822	-0.0001	41.9547	44.1195

0.9852	0.0042	42.5066	-98.8233	-0.0001	41.9909	44.0949
0.9861	0.0043	42.3962	-97.0022	0	41.9909	44.2033
0.9862	0.0043	41.8444	-103.3485	0.0001	42.0789	44.4003
0.9859	0.0044	42.0099	-104.5074	0.0001	42.0893	44.4544
0.9843	0.0044	42.1755	-105.2248	0.0001	42.3171	44.484
0.9858	0.0046	42.6721	-105.28	0.0002	42.2549	44.4988
0.9851	0.0046	43.1136	-105.4456	0.0004	42.3015	44.6416
0.9848	0.0048	42.8929	-107.1563	0.0005	42.4206	44.7302
0.9853	0.0048	43.3344	-107.2667	0.0006	42.6225	44.814
0.985	0.005	43.5551	-107.8185	0.0006	42.8037	44.9716
0.9835	0.0052	43.7758	-110.2467	0.0007	42.9331	45.1144
0.9844	0.0053	43.4447	-112.0126	0.0008	43.0108	45.3114
0.9844	0.0054	43.9414	-110.4123	0.0009	43.0004	45.5231
0.9837	0.0056	44.4933	-113.8338	0.0012	42.9435	45.6315
0.9849	0.0058	44.6036	-112.5645	0.0013	43.0522	45.666
0.9848	0.0059	44.714	-112.5645	0.0013	43.1557	45.7349
0.9843	0.0061	44.107	-111.6815	0.0016	43.1039	45.6709
0.985	0.0063	44.2173	-108.7567	0.0017	43.2385	45.7891
0.9843	0.0066	43.3344	-113.0612	0.0018	43.3783	45.7842
0.9841	0.0068	43.6655	-102.6311	0.0021	43.5129	45.7891
0.9849	0.007	43.6103	-94.4085	0.0024	43.4715	45.9615
0.9861	0.0073	44.107	-95.6226	0.0027	43.4042	46.0156
0.9851	0.0076	43.5551	-99.4304	0.0027	43.5906	46.055
0.9845	0.0078	44.107	-98.9889	0.003	43.6372	46.1338
0.9843	0.008	44.1621	-100.2581	0.0031	43.4974	46.1191
0.984	0.0083	44.107	-109.8052	0.0035	43.6164	46.1289
0.9838	0.0086	43.9414	-104.3419	0.004	43.6216	46.0747
0.9834	0.0089	43.9414	-111.24	0.0041	43.6527	46.1338
0.9825	0.0094	44.0518	-118.6349	0.0043	43.7148	46.0895
0.9823	0.0096	44.0518	-118.5245	0.0048	43.7096	46.1634
0.9809	0.0101	44.107	-120.7319	0.005	43.5284	46.055
0.9801	0.0105	44.4933	-119.9593	0.0056	43.5491	46.0846
0.9804	0.0109	44.2173	-117.8623	0.0059	43.5181	46.0846
0.9806	0.0114	44.3829	-121.4494	0.0063	43.5957	45.9812
0.9795	0.0118	44.2173	-123.8775	0.0068	43.7096	46.0452
0.9795	0.0122	44.1621	-126.1953	0.007	43.4974	46.0058
0.9778	0.0125	44.3829	-155.9402	0.0074	43.1712	45.8383

0.2471	0.0226	4.4949	-7.7729	0.0186	20.9909	20.5994
0.5109	0.0018	31.1384	-112.2334	-0.0004	19.5596	22.2973
0.4255	0.0025	35.9395	-47.7216	-0.0003	19.7305	22.5337
0.4302	0.0025	39.8025	-47.8872	-0.0005	19.6476	22.6716
0.4348	0.0026	38.3125	-55.1165	-0.0004	20.3051	22.8587
0.4399	0.0026	36.5466	-87.124	-0.0005	21.7287	23.0508
0.4476	0.0027	36.3258	-95.8433	-0.0003	25.1247	24.5824
0.4561	0.0027	38.9747	-103.1278	-0.0003	28.3033	29.596
0.4656	0.0027	37.9262	-110.8537	-0.0003	32.1756	34.7228
0.4754	0.0028	39.6369	-113.5578	-0.0003	34.7485	37.6039
0.4824	0.0027	39.6921	-108.7567	-0.0003	36.11	39.1946
0.4895	0.0028	38.1469	-111.9023	-0.0003	37.3317	40.3421
0.4969	0.0028	37.9262	-107.1563	-0.0003	38.3412	41.2089
0.503	0.0029	37.3191	-108.8119	-0.0004	39.1902	41.8196
0.5077	0.0029	37.0984	-120.2353	-0.0004	39.5267	42.125
0.5135	0.0029	36.8225	-131.769	-0.0003	39.9461	42.3663
0.5199	0.0029	38.6988	-126.5264	-0.0003	40.179	42.8341
0.5252	0.0029	45.5418	-131.8242	-0.0004	40.4793	43.1149
0.53	0.0029	48.577	-134.3627	-0.0003	40.7536	43.3414
0.5344	0.003	46.8111	-123.436	-0.0004	41.1523	43.5729
0.539	0.0031	47.3629	-138.0602	-0.0004	41.261	43.7403
0.544	0.0031	46.7559	-145.0687	-0.0003	41.3749	43.8043
0.5509	0.0031	47.1422	-143.2476	-0.0004	41.4732	43.8093
0.5576	0.0031	48.3562	-148.9869	-0.0003	41.349	43.7797
0.5646	0.0031	48.2459	-151.1943	-0.0003	41.4939	43.9176
0.5698	0.0032	48.3562	-161.7899	-0.0003	41.7787	44.0161
0.5757	0.0032	48.1907	-163.6662	-0.0003	41.6907	44.0112
0.5832	0.0032	48.4114	-167.0877	-0.0003	41.7217	44.1097
0.5922	0.0032	49.4599	-164.8251	-0.0003	41.5819	44.09
0.6002	0.0033	50.3429	-153.5121	-0.0003	41.7321	44.2131
0.6069	0.0032	50.95	-163.8318	-0.0005	41.6389	44.2033
0.6143	0.0033	51.6122	-166.867	-0.0003	41.8149	44.2082
0.6212	0.0034	51.8329	-164.5492	-0.0003	41.8304	44.3067
0.629	0.0033	51.1155	-151.4702	-0.0005	41.701	44.3018
0.636	0.0033	49.5703	-155.6643	-0.0004	41.7114	44.223
0.643	0.0033	50.0118	-164.3284	-0.0004	41.5198	44.0161
0.6517	0.0033	50.2877	-153.4569	-0.0003	41.2972	43.893

0.6576	0.0033	50.6188	-151.0287	-0.0005	41.4111	43.9521
0.6637	0.0034	50.1774	-162.7832	-0.0003	41.3542	43.9078
0.6715	0.0035	50.674	-169.6814	-0.0002	41.4215	43.8437
0.6802	0.0035	50.3981	-174.5378	-0.0004	41.3335	43.7846
0.6882	0.0035	49.6255	-182.9811	-0.0004	41.1264	43.7699
0.6988	0.0035	49.184	-155.9402	-0.0004	41.1367	43.7649
0.7073	0.0035	49.6807	-167.0325	-0.0003	41.292	43.7896
0.7167	0.0035	49.0737	-170.6747	-0.0003	41.3283	43.8684
0.7253	0.0035	47.1973	-170.2885	-0.0004	41.2765	43.8979
0.7349	0.0036	46.3696	-164.6595	-0.0004	41.3697	43.9619
0.7443	0.0035	47.6388	-154.2847	-0.0002	41.5457	44.026
0.7536	0.0035	48.3562	-139.1639	-0.0003	41.4939	44.0604
0.762	0.0036	48.4114	-135.025	-0.0002	41.4939	44.0013
0.7689	0.0037	48.6322	-157.8717	-0.0004	41.4059	43.9176
0.7757	0.0037	46.7559	-160.9621	-0.0004	41.4059	44.0309
0.7828	0.0037	46.6455	-164.6595	-0.0003	41.3645	43.9718
0.7904	0.0038	44.9347	-169.0744	-0.0004	41.1367	44.021
0.7973	0.0038	45.8729	-174.1514	-0.0002	41.4784	44.1639
0.8043	0.0038	44.8796	-180.6633	-0.0003	41.6026	44.1048
0.8112	0.0039	45.1555	-186.237	-0.0003	41.5716	44.1934
0.82	0.0038	45.1555	-174.4274	-0.0003	41.758	44.2919
0.8265	0.0039	44.9347	-174.8137	-0.0003	41.7424	44.2476
0.8325	0.004	44.9347	-185.023	-0.0003	41.6389	44.1836
0.8394	0.0041	45.1555	-190.8174	-0.0002	41.9754	44.1245
0.8441	0.0041	45.5418	-193.6871	-0.0001	41.8252	44.1688
0.8496	0.0041	45.8177	-192.9697	-0.0001	41.6441	44.1885
0.8553	0.0041	45.9833	-188.7756	-0.0001	41.525	44.1885
0.8611	0.0042	46.8662	-190.8174	-0.0002	41.6078	44.0949
0.8665	0.0042	44.4381	-196.3912	-0.0002	41.6337	44.2131
0.8709	0.0043	44.714	-205.552	0	41.5819	44.2525
0.8767	0.0043	41.5684	-212.2294	-0.0002	41.4422	44.3362
0.8828	0.0045	40.7958	-212.6709	0	41.5664	44.3904
0.8879	0.0045	38.8092	-214.2161	0.0001	41.6389	44.5529
0.8939	0.0046	39.0851	-217.8583	0	41.7062	44.5973
0.9016	0.0047	39.4162	-217.1961	0.0001	41.8822	44.6958
0.908	0.0047	39.8025	-203.5653	0.0002	42.2808	44.6859
0.9168	0.0045	44.8244	-143.5787	0.0002	42.141	44.5726
0.9209	0.0049	41.5132	-165.5977	0.0004	42.2187	44.7352

0.9248	0.005	40.4095	-173.4892	0.0004	42.3895	44.878
0.9306	0.0051	40.4095	-178.3455	0.0005	42.3636	45.0405
0.9368	0.0052	40.1888	-178.6215	0.0005	42.3585	44.9913
0.9415	0.0054	39.9129	-178.8974	0.0008	42.4154	45.0405
0.9466	0.0056	41.3477	-178.2903	0.0008	42.5397	45.1538
0.9516	0.0057	40.7958	-173.4892	0.001	42.4206	45.1242
0.9557	0.0059	40.7958	-168.6329	0.0011	42.5707	45.0996
0.957	0.0062	41.1821	-179.3389	0.0015	42.5655	45.1538
0.9585	0.0063	41.1821	-178.5111	0.0015	42.3895	45.0898
0.9612	0.0065	41.0166	-180.4426	0.0017	42.2601	44.9322
0.9627	0.0067	41.4029	-175.6415	0.0019	42.2083	44.8583
0.9637	0.0067	41.4581	-172.1648	0.0021	41.9806	44.9666
0.9648	0.0072	41.6236	-173.9307	0.0025	42.0686	45.07
0.964	0.0075	42.0099	-177.4626	0.0027	42.198	45.0996
0.9641	0.0077	42.0099	-166.9222	0.0027	42.1825	45.1095
0.9644	0.008	41.6236	-168.6329	0.0031	41.8718	45.0257
0.9645	0.0083	41.6236	-175.9725	0.0033	42.0479	45.1144
0.9636	0.0086	41.0718	-177.3522	0.0035	42.1152	45.1242
0.964	0.0091	42.0651	-183.7537	0.0038	42.3326	45.2621
0.9643	0.0092	41.0718	-176.3037	0.0041	42.99	45.3655
0.9638	0.0097	40.6855	-180.277	0.0046	43.1195	45.5231
0.9643	0.0101	40.1336	-178.18	0.0048	43.0366	45.597
0.9643	0.0104	40.6855	-169.9022	0.0052	43.0677	45.7645
0.9649	0.0107	40.3544	-171.0059	0.0056	43.0832	45.9024
0.9639	0.0113	40.7958	-185.0782	0.006	43.1143	45.9861
0.9634	0.0117	44.9899	-188.7204	0.0065	43.0108	46.055
0.9632	0.0121	43.6103	-184.0296	0.0069	43.2799	46.0747
0.9612	0.0129	42.9481	-193.08	0.0074	43.2955	46.2176
0.9604	0.0132	41.5684	-189.7689	0.0078	43.2075	46.2471
0.9604	0.0138	40.1888	-188.61	0.0084	43.135	46.2668
0.9604	0.0143	40.0784	-199.8679	0.0089	43.5233	46.2668
0.2533	0.0047	-60.37	-63.3501	0.0037	18.3538	17.2707
0.4958	0.0023	43.3895	-118.2486	-0.0003	16.438	18.8203
0.4408	0.0025	49.5151	-81.6607	-0.0005	17.463	19.3719
0.4485	0.0027	49.5703	-87.4551	-0.0003	17.815	19.8348
0.4531	0.0027	50.5085	-93.5807	-0.0004	18.1463	20.1599
0.4601	0.0028	48.7425	-93.9118	-0.0003	19.3267	20.5243
0.4666	0.0028	44.8796	-93.6359	-0.0003	22.4949	22.248

0.4715	0.0027	46.0385	-92.1459	-0.0003	25.953	26.9316
0.477	0.0028	48.6874	-93.3048	-0.0004	29.8564	32.0289
0.4829	0.0027	46.2592	-93.084	-0.0003	32.481	35.2695
0.4861	0.0028	47.3077	-90.6559	-0.0004	34.5052	37.1311
0.4887	0.0027	48.0803	-93.9118	-0.0003	35.7839	38.1949
0.4895	0.0028	49.2944	-93.2496	-0.0003	36.7053	38.8844
0.4878	0.0028	48.7977	-92.4218	-0.0004	36.9901	39.5739
0.487	0.0028	51.557	-98.1059	-0.0003	37.3525	40.0023
0.4886	0.003	52.8263	-93.967	-0.0003	37.7563	40.4702
0.4903	0.003	52.0537	-93.4152	-0.0002	38.2791	40.8445
0.4935	0.0029	52.1088	-94.7948	-0.0004	38.9625	41.1301
0.4939	0.003	50.1774	-93.967	-0.0004	39.3455	41.4355
0.4946	0.0031	51.3914	-93.1944	-0.0005	39.651	41.6522
0.4953	0.0031	50.8396	-96.7815	-0.0003	39.682	41.8098
0.4965	0.0031	48.3011	-97.7196	-0.0003	39.8373	41.9083
0.4941	0.0031	38.2573	-91.0974	-0.0002	39.8684	42.1644
0.492	0.003	34.2288	-87.731	-0.0003	40.1117	42.2629
0.4891	0.0031	33.3458	-92.0355	-0.0004	40.3499	42.1545
0.4867	0.0031	33.401	-94.0222	-0.0003	40.531	42.2136
0.4859	0.003	32.9595	-94.3533	-0.0004	40.6863	42.2924
0.4848	0.0032	33.6217	-98.2163	-0.0003	40.5517	42.386
0.4859	0.0032	33.6769	-97.4989	-0.0004	40.4896	42.4352
0.4862	0.0031	33.5665	-98.437	-0.0004	40.5362	42.4451
0.487	0.0031	35.1117	-92.1459	-0.0003	40.7174	42.4697
0.4858	0.0032	34.8358	-87.3447	-0.0003	40.4482	42.4697
0.4864	0.0032	34.3943	-96.2848	-0.0002	40.4793	42.45
0.4846	0.0033	34.7806	-99.2096	-0.0003	40.2256	42.2875
0.4855	0.0032	34.5047	-95.8433	-0.0001	40.2463	42.3269
0.4837	0.0033	34.6702	-97.7196	-0.0003	40.3291	42.317
0.4827	0.0032	33.8977	-100.3685	-0.0003	40.3343	42.3417
0.4834	0.0033	33.5665	-98.4922	-0.0002	40.3809	42.3761
0.4854	0.0033	33.8425	-103.4589	-0.0002	40.5517	42.4007
0.4852	0.0034	33.5665	-106.9356	-0.0002	40.5155	42.3909
0.4842	0.0033	33.8425	-107.9289	-0.0003	40.7433	42.3811
0.4857	0.0034	33.7873	-97.8852	-0.0001	40.6242	42.3564
0.4879	0.0034	34.3943	-80.3914	-0.0001	40.6449	42.2481
0.4882	0.0035	34.7254	-101.1411	-0.0002	40.4948	42.1742
0.4855	0.0033	34.6151	-99.6511	-0.0003	40.4275	42.189

0.486	0.0033	34.4495	-93.7463	-0.0002	40.3964	42.2087
0.4807	0.0034	34.5047	-121.4494	-0.0001	40.4689	42.2038
0.4781	0.0035	34.1736	-125.5882	-0.0001	40.5	42.189
0.4768	0.0035	34.0632	-130.0583	0	40.3654	42.2579
0.4759	0.0037	34.5047	-129.5616	0	40.4379	42.2973
0.4752	0.0037	34.0632	-128.8442	-0.0001	40.4896	42.3121
0.4754	0.0038	34.3391	-134.3627	0.0001	40.236	42.3761
0.4753	0.0039	34.7254	-138.0602	0.0001	40.3447	42.3761
0.4755	0.0039	35.0565	-140.4332	0.0002	40.588	42.4057
0.4753	0.004	35.1117	-136.9565	0.0002	40.6605	42.4795
0.4743	0.004	35.1117	-134.9698	0.0003	40.619	42.4204
0.4724	0.004	35.8291	-133.0935	0.0003	40.7122	42.4746
0.4705	0.0041	35.498	-139.5502	0.0003	40.4379	42.4845
0.4702	0.0042	34.7254	-138.3361	0.0004	40.3498	42.5485
0.4708	0.0043	35.0565	-139.0535	0.0005	40.4637	42.5288
0.4719	0.0043	35.0565	-138.5016	0.0005	40.6035	42.4746
0.4735	0.0044	35.4428	-137.3428	0.0005	40.7019	42.5189
0.4738	0.0046	35.4428	-136.7357	0.0006	40.7329	42.6322
0.4726	0.0047	35.6084	-142.475	0.0008	40.8313	42.583
0.4724	0.0048	35.8291	-147.9935	0.001	40.7692	42.6174
0.4724	0.0049	36.0499	-146.8347	0.0009	40.8261	42.6421
0.4723	0.0049	36.4362	-134.3076	0.001	40.8002	42.7455
0.4713	0.0051	36.2154	-136.7909	0.0013	41.0177	42.7504
0.4695	0.0053	36.6569	-142.6406	0.0014	41.0435	42.8982
0.4691	0.0053	36.1051	-146.0069	0.0015	41.0746	42.9573
0.4695	0.0055	36.3258	-144.7376	0.0016	41.1367	43.0853
0.4694	0.0058	36.1051	-148.6006	0.0018	41.2506	43.0804
0.4688	0.0059	36.381	-152.298	0.002	41.2299	43.1493
0.4688	0.0063	36.7673	-152.6291	0.0022	41.1471	43.2922
0.4697	0.0064	37.2088	-152.1324	0.0023	41.3749	43.2478
0.4709	0.0065	37.1536	-147.9935	0.0026	41.3179	43.3217
0.4711	0.0067	37.264	-153.9536	0.0027	41.3127	43.3611
0.4686	0.0071	37.0432	-154.6158	0.003	41.349	43.4547
0.4689	0.0073	37.0984	-146.7795	0.0032	41.3852	43.5384
0.4673	0.0075	36.4914	-149.0421	0.0034	41.5768	43.5581
0.4663	0.0078	36.7121	-154.0639	0.0036	41.5354	43.6763
0.4638	0.0082	36.8777	-165.3218	0.004	41.6389	43.6468
0.4623	0.0086	37.1536	-168.9088	0.0043	41.6648	43.6812

0.4614	0.0088	38.0366	-172.3303	0.0046	41.6596	43.7059
0.4629	0.0091	37.5399	-165.984	0.005	41.8097	43.824
0.4636	0.0093	37.5399	-165.1562	0.0051	41.9599	43.8339
0.464	0.0098	37.0984	-164.0525	0.0056	42.1514	43.893
0.4643	0.01	36.8777	-165.3218	0.0058	42.2135	43.9078
0.4659	0.0105	37.0432	-151.5806	0.0063	42.0013	43.9324
0.4656	0.0107	37.1536	-153.2913	0.0067	41.789	43.8733
0.4648	0.0113	37.7606	-150.0906	0.0071	41.8718	43.8634
0.4656	0.0116	37.1536	-136.1287	0.0074	41.9391	43.829
0.4662	0.0121	37.4847	-132.652	0.0079	41.8563	43.9275
0.4668	0.0124	37.3192	-132.5416	0.0082	41.8977	43.8979
0.4682	0.013	37.2088	-134.0868	0.0086	41.8926	43.9767
0.4705	0.0134	37.2088	-134.0868	0.009	41.9702	43.9866
0.4714	0.0139	36.988	-132.4312	0.0098	41.9081	44.0014
0.4721	0.0145	37.264	-134.2524	0.0102	41.965	44.0949
0.4733	0.0149	37.1536	-135.1353	0.0106	42.0013	44.1343
0.4738	0.0156	37.0432	-135.025	0.0112	41.9857	44.1442
0.4735	0.0163	37.5399	-134.5283	0.0119	42.053	44.1786
0.4727	0.0169	37.3191	-135.632	0.0123	42.1203	44.1934
0.4706	0.0175	36.988	-134.6387	0.0129	42.1825	44.1983
0.4685	0.018	36.8225	-138.3361	0.0134	42.0841	44.2328
0.4676	0.0186	36.4362	-137.6739	0.014	42.1566	44.3215
0.4678	0.0191	36.5466	-138.4465	0.0144	42.2549	44.3067
0.4671	0.0197	36.6017	-138.8328	0.0151	42.3015	44.3707
0.4657	0.0206	36.4362	-154.8917	0.0156	42.3119	44.4052

0.2766	0.0098	-1.8625	-6.7795	0.0068	23.3531	22.9796
0.4903	0.002	32.3525	-124.6501	-0.0005	22.3344	21.8245
0.4395	0.0022	36.5466	-46.342	-0.0006	23.3284	23.558
0.4504	0.0023	36.4362	-49.5979	-0.0007	23.6649	23.7994
0.4643	0.0023	36.6017	-61.7387	-0.0007	24.1774	24.0801
0.4779	0.0024	37.9262	-60.1935	-0.0006	25.8495	25.8038
0.4905	0.0025	38.478	-59.8072	-0.0006	28.821	29.8619
0.5003	0.0024	37.9262	-56.8272	-0.0006	33.0143	34.4421
0.5115	0.0025	36.6017	-57.3791	-0.0005	36.431	38.0422
0.5195	0.0026	36.4362	-60.1935	-0.0005	38.481	40.0466
0.5311	0.0025	36.6569	-62.5113	-0.0005	39.6665	41.3468
0.543	0.0025	36.7673	-62.0146	-0.0006	40.676	42.3564

0.5543	0.0026	37.9814	-64.8843	-0.0004	41.349	43.1247
0.5673	0.0026	40.3544	-66.2639	-0.0005	42.022	43.7403
0.5819	0.0026	42.1203	-62.5113	-0.0004	42.5914	44.2131
0.5952	0.0026	42.9481	-64.0013	-0.0005	42.7519	44.3264
0.6071	0.0027	43.8862	-67.7539	-0.0006	42.7053	44.2919
0.6188	0.0026	43.7758	-60.3591	-0.0005	42.6846	44.484
0.6271	0.0027	44.0518	-57.8757	-0.0005	42.6535	44.4495
0.6366	0.0028	44.6588	-61.8491	-0.0006	42.6691	44.4446
0.6469	0.0028	44.8796	-63.615	-0.0005	42.783	44.4003
0.6571	0.0028	40.7406	-64.4428	-0.0006	43.0625	44.7549
0.6665	0.0029	33.8977	-66.3743	-0.0005	43.575	45.3508
0.677	0.0028	34.008	-67.5884	-0.0005	43.9063	45.5921
0.6866	0.0029	33.7873	-70.2924	-0.0005	44.0668	45.8383
0.698	0.0029	33.401	-72.8862	-0.0004	44.2739	46.0353
0.7083	0.0029	33.401	-74.7073	-0.0005	44.5586	46.2323
0.7189	0.003	33.7873	-74.8728	-0.0006	44.6311	46.321
0.7293	0.0029	33.5114	-75.811	-0.0004	44.7502	46.4244
0.7396	0.0029	33.5665	-76.3628	-0.0004	44.7657	46.5475
0.7494	0.0029	33.401	-75.9214	-0.0005	44.7295	46.5081
0.7592	0.003	33.7321	-77.3562	-0.0004	44.7968	46.513
0.7674	0.003	33.8425	-79.5084	-0.0005	44.9003	46.5771
0.7769	0.0031	33.8977	-77.0251	-0.0003	45.0194	46.6214
0.7842	0.003	33.6769	-77.8529	-0.0005	45.066	46.6608
0.7916	0.0031	33.3458	-72.2791	-0.0004	45.0556	46.6805
0.7989	0.0032	33.6769	-73.3828	-0.0004	45.1229	46.7396
0.8071	0.0032	33.6217	-74.1003	-0.0005	45.0763	46.8135
0.8141	0.0032	33.2906	-75.0936	-0.0005	45.0194	46.7839
0.8224	0.0033	33.5665	-75.2039	-0.0004	45.1488	46.8233
0.8293	0.0033	33.3458	-77.6321	-0.0004	45.1177	46.7248
0.8371	0.0034	33.5665	-76.6388	-0.0004	44.8641	46.5229
0.8448	0.0034	33.6217	-75.9765	-0.0004	44.481	46.06
0.8515	0.0034	34.008	-77.1906	-0.0005	44.2118	45.8039
0.8576	0.0035	33.7873	-77.0251	-0.0004	43.9322	45.6315
0.8635	0.0035	33.8977	-77.7425	-0.0003	43.7769	45.4739
0.8687	0.0036	34.4495	-76.3077	-0.0003	43.6682	45.3902
0.8742	0.0035	34.5047	-76.5836	-0.0003	43.7769	45.469
0.8796	0.0036	34.5047	-75.4799	-0.0003	43.9995	45.7004
0.8862	0.0037	34.5599	-76.418	-0.0003	44.1134	45.8777

0.8929	0.0037	34.284	-77.0251	-0.0003	44.3567	46.0255
0.8985	0.0037	34.1184	-76.9147	-0.0002	44.4137	46.1388
0.906	0.0038	33.8977	-77.6873	-0.0002	44.6104	46.2964
0.9125	0.0038	34.008	-79.2325	-0.0001	44.4913	46.257
0.9192	0.0038	34.1736	-78.9014	0	44.6622	46.3259
0.9251	0.0038	34.284	-79.8395	-0.0001	44.6829	46.2717
0.9314	0.0039	34.0632	-82.3781	-0.0001	44.6415	46.3161
0.9396	0.004	34.3943	-83.3714	0	44.7295	46.3998
0.9462	0.004	34.4495	-84.8062	0	44.7243	46.4195
0.9523	0.004	34.4495	-83.8129	0.0001	44.7812	46.3801
0.9578	0.0041	34.2288	-82.4884	0.0002	44.8796	46.5278
0.9627	0.0042	34.3943	-82.1573	0.0002	44.9676	46.6165
0.966	0.0042	34.3391	-82.5436	0.0002	45.0608	46.7642
0.9678	0.0044	34.5047	-85.5788	0.0004	45.1488	46.8332
0.9699	0.0044	34.5599	-81.4951	0.0005	45.361	47.04
0.9717	0.0045	35.0014	-80.7777	0.0004	45.6147	47.2025
0.9725	0.0045	34.4495	-82.9299	0.0005	45.651	47.2961
0.9732	0.0045	34.5599	-83.9784	0.0007	45.4491	47.0252
0.9736	0.0047	34.5047	-85.1925	0.0007	45.1488	46.8282
0.9748	0.005	34.891	-85.1373	0.0008	45.0556	46.7888
0.9756	0.005	34.9462	-85.7444	0.0009	44.9728	46.6263
0.9759	0.0052	35.2221	-85.6892	0.001	44.7916	46.4687
0.9766	0.0053	35.2221	-84.2544	0.0012	44.7191	46.449
0.9763	0.0054	34.9462	-83.537	0.0013	44.8071	46.4884
0.9766	0.0056	35.2773	-84.8062	0.0016	44.9831	46.7199
0.9766	0.0057	35.1669	-85.7444	0.0018	45.1022	46.8923
0.9764	0.0059	35.3325	-85.634	0.0019	45.3662	47.0646
0.9763	0.0061	35.774	-85.1925	0.002	45.3973	47.2419
0.9762	0.0062	35.5532	-86.1307	0.0023	45.5422	47.3257
0.9758	0.0063	35.7188	-85.0821	0.0024	45.6147	47.4242
0.976	0.0068	35.498	-87.2344	0.0026	45.6561	47.5079
0.9762	0.007	35.6084	-87.4551	0.0028	45.6717	47.5128
0.9754	0.0072	35.5532	-88.9451	0.0031	45.7545	47.5916
0.9753	0.0074	35.3325	-88.5036	0.0032	45.7493	47.4685
0.9755	0.0075	35.3325	-89.2762	0.0035	45.8477	47.5867
0.9753	0.0078	35.498	-90.5455	0.0036	45.9616	47.6507
0.974	0.0081	35.2221	-91.4837	0.0039	46.0858	47.8329
0.9744	0.0083	35.3877	-92.2563	0.004	46.1272	47.9019

0.9742	0.0086	35.5532	-92.1459	0.0045	46.0806	47.9363
0.9744	0.0089	36.0499	-93.0288	0.0046	46.1324	47.9462
0.9738	0.0092	36.2154	-93.967	0.005	46.0237	47.9462
0.9726	0.0095	35.9947	-92.8081	0.0054	46.2308	47.9905
0.9731	0.0098	36.381	-95.0707	0.0059	46.0289	47.9019
0.9727	0.0102	35.7188	-95.5674	0.0059	45.8736	47.7837
0.9729	0.0106	36.3258	-94.7396	0.0063	45.5474	47.5177
0.9717	0.0109	36.2154	-94.1326	0.0068	45.2679	47.3404
0.9713	0.0114	35.9395	-94.7948	0.0071	45.1902	47.2616
0.9703	0.0119	36.4914	-94.574	0.0076	45.1281	47.2518
0.9704	0.0122	36.1603	-89.8281	0.0083	45.1799	47.2321
0.9695	0.0125	35.774	-97.6092	0.0084	45.2316	47.3454
0.9693	0.013	35.9947	-97.1678	0.0089	45.4335	47.5522
0.9697	0.0135	36.0499	-98.0507	0.0092	45.5371	47.7689
0.969	0.0139	36.0499	-99.8167	0.0097	45.6613	47.9757
0.9683	0.0143	36.1603	-101.0859	0.01	45.8528	48.1678
0.9674	0.0146	35.9395	-102.907	0.0104	45.915	48.2762
0.9674	0.0152	36.1603	-103.0726	0.011	46.0444	48.3894
0.9668	0.0155	35.8291	-104.0659	0.0115	46.1013	48.4978
0.967	0.0159	36.4914	-103.1278	0.0118	46.1531	48.5569
0.9667	0.0165	35.774	-111.7919	0.0121	46.1479	48.5864
0.2665	0.009	1.1175	-7.1272	0.0061	19.7608	19.088
0.4685	0.0017	30.4762	-109.75	-0.0004	19.0989	19.8003
0.431	0.0022	33.8425	-46.0109	-0.0003	19.8495	20.2387
0.4401	0.0022	34.3943	-45.9005	-0.0004	20.0411	20.608
0.4486	0.0021	35.0565	-45.1279	-0.0004	20.4242	20.7213
0.4566	0.0022	35.6084	-45.0175	-0.0003	20.9367	21.0069
0.4643	0.0023	36.9329	-45.1831	-0.0003	23.3335	22.2234
0.4719	0.0022	44.107	-45.6246	-0.0004	25.8391	26.3406
0.4777	0.0023	44.0518	-47.2801	-0.0004	29.1886	31.4231
0.4842	0.0024	42.2858	-48.3286	-0.0002	32.129	35.102
0.4895	0.0024	43.8862	-48.5494	-0.0003	33.9461	37.0277
0.4943	0.0024	37.3743	-48.7149	-0.0002	35.7062	38.5101
0.4986	0.0023	35.3877	-49.2668	-0.0004	36.7364	39.3572
0.5019	0.0024	34.284	-49.7083	-0.0004	37.311	39.9777
0.5055	0.0024	34.3943	-49.4875	-0.0004	37.808	40.4899
0.5093	0.0024	33.4562	-49.2668	-0.0003	38.3619	41.0513
0.5131	0.0024	32.7388	-49.322	-0.0004	38.8434	41.4798

0.5163	0.0025	32.6284	-49.2668	-0.0004	39.1178	41.8639
0.5189	0.0025	32.6284	-48.9909	-0.0002	39.4957	42.0659
0.5219	0.0023	32.3525	-49.2116	-0.0004	39.682	42.2629
0.5242	0.0025	32.6836	-49.2116	-0.0003	39.651	42.5288
0.5267	0.0024	32.6836	-49.1564	-0.0004	39.8166	42.5288
0.5296	0.0024	32.6284	-49.4875	-0.0003	40.0496	42.6076
0.5325	0.0024	32.2421	-49.4324	-0.0004	40.3499	42.7258
0.5341	0.0023	32.4076	-49.5979	-0.0004	40.4171	42.7356
0.536	0.0024	33.1251	-49.3772	-0.0003	40.4637	42.8194
0.5377	0.0024	32.9595	-48.8805	-0.0003	40.1531	42.7455
0.5399	0.0025	33.0147	-48.6598	-0.0002	40.2515	42.7455
0.541	0.0025	32.8491	-48.4942	-0.0003	39.8788	42.7012
0.5431	0.0025	33.1802	-48.1631	-0.0003	40.2618	42.8489
0.5441	0.0024	32.7388	-48.7701	-0.0004	40.2308	42.8538
0.5464	0.0025	32.7939	-48.2735	-0.0003	40.2515	42.8735
0.5476	0.0025	32.7388	-48.8253	-0.0003	40.2722	42.8588
0.5486	0.0026	32.8491	-48.439	-0.0002	40.2722	42.8982
0.5509	0.0026	32.8491	-48.9357	-0.0003	40.4068	42.8932
0.5515	0.0026	32.8491	-48.7701	-0.0003	40.4637	42.9326
0.552	0.0026	32.518	-49.1012	-0.0002	40.2256	42.9179
0.5526	0.0026	32.2421	-49.2116	-0.0003	40.4171	42.8588
0.5541	0.0027	32.1869	-48.8805	-0.0003	40.5052	42.8834
0.5541	0.0028	32.1869	-48.6598	-0.0002	40.5259	42.908
0.5544	0.0028	32.0765	-48.3286	-0.0003	40.3706	42.8932
0.5551	0.0027	32.0765	-48.7149	-0.0003	40.3343	42.9031
0.556	0.0028	32.1317	-48.5494	-0.0003	40.443	42.9622
0.5561	0.0028	32.518	-48.3286	-0.0003	40.324	43.0065
0.5568	0.0028	32.8491	-48.4942	-0.0003	40.4379	42.8735
0.5561	0.0028	33.5114	-48.3838	-0.0003	40.8261	42.9474
0.5572	0.0028	34.6151	-48.9357	-0.0003	40.8934	42.9917
0.5574	0.0028	35.8843	-48.5494	-0.0003	41.0746	43.1444
0.5574	0.0028	38.0917	-48.7701	-0.0001	41.0539	43.1247
0.5572	0.0029	37.7054	-48.9357	-0.0001	41.2817	43.2035
0.5562	0.0028	34.0632	-48.9357	-0.0003	41.1315	43.1789
0.5565	0.0029	34.1184	-49.4875	-0.0003	41.2351	43.1641
0.5574	0.0031	35.0565	-71.341	-0.0001	41.1626	43.0755
0.5601	0.0031	35.498	-77.7977	-0.0003	40.8624	43.0114
0.5635	0.0031	35.4428	-80.1706	-0.0002	40.8934	42.9523

0.5687	0.0031	36.381	-80.7777	-0.0003	40.8624	42.9573
0.5731	0.0031	37.7606	-81.8814	-0.0002	40.8261	42.8785
0.5778	0.0031	37.0984	-83.537	-0.0001	40.8675	42.9967
0.5826	0.0033	38.5884	-84.144	0	40.9504	43.105
0.589	0.0033	38.754	-84.2544	0	40.94	43.0902
0.5942	0.0033	36.9328	-85.6892	0	40.8675	43.0311
0.6	0.0034	38.6436	-83.7025	0	40.7899	42.9474
0.6041	0.0034	39.0299	-83.8129	0	40.8054	42.9622
0.6067	0.0035	39.9129	-83.4818	0.0001	40.7588	42.9967
0.6084	0.0035	37.4847	-83.1507	0.0001	40.7329	43.0213
0.6102	0.0036	40.2992	-85.027	0.0001	40.7951	43.0705
0.6136	0.0037	40.0232	-84.3095	0.0003	40.7951	43.1937
0.6159	0.0038	40.9062	-88.8899	0.0002	41.1057	43.302
0.6192	0.0038	41.6236	-91.0974	0.0003	41.3128	43.3857
0.6234	0.0039	43.1136	-92.1459	0.0003	41.5354	43.4399
0.6266	0.004	43.1136	-94.1326	0.0004	41.5198	43.5335
0.6294	0.0041	43.3895	-95.9537	0.0005	41.5975	43.6123
0.6333	0.0042	42.4514	-93.6911	0.0007	41.4266	43.6369
0.638	0.0043	40.1888	-98.3266	0.0006	41.4111	43.4941
0.6428	0.0045	37.4847	-97.6092	0.0009	41.4836	43.6073
0.6456	0.0046	37.7606	-96.0089	0.0009	41.5405	43.6172
0.6491	0.0047	36.4914	-96.0089	0.0011	41.4473	43.6468
0.6513	0.0049	36.4362	-97.6092	0.0012	41.2403	43.6221
0.6543	0.005	37.9814	-95.8433	0.0012	41.1989	43.632
0.6585	0.0051	38.1469	-97.554	0.0012	41.2092	43.6369
0.6633	0.0052	38.8092	-97.7748	0.0015	41.349	43.6714
0.6691	0.0055	38.9195	-99.0992	0.0016	41.3697	43.7305
0.6744	0.0057	38.9747	-102.9622	0.0017	41.5561	43.7256
0.679	0.0058	38.6436	-100.203	0.0018	41.6855	43.7748
0.6854	0.006	39.1403	-101.1411	0.0021	41.6855	43.7945
0.691	0.0062	39.5818	-101.8585	0.0023	41.5923	43.7305
0.6957	0.0065	39.7473	-103.6245	0.0025	41.4836	43.7846
0.7011	0.0066	39.9129	-102.5207	0.0027	41.4681	43.8733
0.7055	0.0069	39.8025	-103.2933	0.003	41.4784	43.8733
0.7099	0.0071	37.7606	-111.4608	0.0032	41.4991	43.8093
0.7155	0.0075	36.4362	-107.9841	0.0034	41.6337	43.8585
0.7214	0.0076	36.4914	-109.5293	0.0036	41.4991	43.7748
0.7258	0.0078	35.774	-107.7082	0.0038	41.4784	43.8093

0.7311	0.0083	38.0917	-111.8471	0.0041	41.3852	43.7896
0.7366	0.0084	38.6988	-110.4675	0.0043	41.613	44.0112
0.7429	0.0087	39.0851	-115.4893	0.0047	41.6182	44.026
0.7481	0.0091	39.4714	-117.2001	0.0049	41.5457	44.0703
0.7532	0.0095	39.5266	-118.2486	0.0053	41.4836	44.3018
0.7589	0.0097	39.2506	-116.4827	0.0056	41.4059	44.2821
0.7636	0.0101	38.9747	-115.3238	0.0061	41.4318	44.3756
0.7654	0.0106	41.2373	-113.3923	0.0065	41.1989	43.9619
0.7695	0.0108	42.617	-117.4208	0.0065	41.1989	43.9275
0.7739	0.0112	42.7825	-117.9175	0.0068	41.3231	44.1688
0.7769	0.0115	41.6236	-121.5045	0.0071	41.3179	44.2131
0.7797	0.012	41.2925	-124.926	0.0076	41.3024	44.2328
0.7807	0.0125	40.244	-173.0477	0.0079	41.4318	44.1639
0.2712	0.0062	-256.85	-260.031	0.0055	21.6851	21.9823
0.4995	0.0022	35.8291	-107.7082	-0.0003	19.8392	22.3761
0.4445	0.0029	40.7406	-46.5627	-0.0003	20.5122	22.578
0.4521	0.0029	41.8995	-45.6246	-0.0002	21.004	22.6814
0.4591	0.003	41.9547	-46.1212	-0.0003	21.1541	22.839
0.4662	0.0031	41.1821	-55.8339	-0.0003	22.5829	22.9671
0.4783	0.003	42.5066	-59.6417	-0.0003	25.0315	24.0111
0.4869	0.003	43.2792	-48.6046	-0.0002	27.3818	27.9215
0.4931	0.0031	42.8929	-46.8386	-0.0002	30.167	32.7824
0.4985	0.0031	42.341	-48.1079	-0.0003	32.4707	36.1116
0.5038	0.0031	40.4095	-47.9423	-0.0003	34.3447	38.0471
0.5071	0.0033	38.4229	-48.2735	-0.0003	35.8771	39.239
0.5117	0.0033	37.5399	-48.7701	-0.0002	37.0833	40.219
0.5164	0.0032	36.988	-49.0461	-0.0002	37.9737	40.9331
0.5206	0.0032	36.9329	-49.322	-0.0002	38.4034	41.2532
0.524	0.0033	36.6569	-49.4324	-0.0003	39.1902	41.7507
0.5278	0.0034	36.5466	-49.5979	-0.0002	39.4905	42.2826
0.5315	0.0034	36.8225	-49.8187	-0.0001	39.3662	42.7012
0.5358	0.0035	36.6017	-50.2601	0	39.6613	42.8982
0.5386	0.0036	36.4914	-49.929	0	40.091	43.169
0.5422	0.0036	36.8777	-50.1498	0.0001	40.236	43.2971
0.5448	0.0038	36.381	-49.4875	0.0001	40.5052	43.4547
0.5466	0.0038	36.1603	-49.929	0.0001	40.8675	43.696
0.5498	0.004	35.1117	-49.7635	0.0003	41.4111	43.9472
0.5528	0.0041	34.1736	-49.8738	0.0003	41.4939	44.1885

0.5561	0.0042	34.3943	-50.2601	0.0004	41.6182	44.2968
0.5592	0.0043	34.5047	-50.0394	0.0006	41.5819	44.3953
0.5625	0.0044	35.8843	-50.3153	0.0006	41.7372	44.5135
0.5662	0.0046	34.6702	-50.6464	0.0007	41.6441	44.617
0.57	0.0048	35.2773	-59.2554	0.0009	41.6337	44.5382
0.5774	0.0049	36.6017	-71.5617	0.0009	41.4991	44.3609
0.5846	0.0051	35.6084	-72.1136	0.0011	41.6803	44.5086
0.5921	0.0053	36.1603	-74.7073	0.0013	41.6699	44.6317
0.5981	0.0055	35.8843	-72.4447	0.0014	41.934	44.6367
0.6035	0.0056	35.2221	-71.1754	0.0015	41.8667	44.5677
0.6087	0.0056	35.9947	-74.1554	0.0016	41.9495	44.5234
0.6139	0.0059	35.6636	-74.4865	0.0018	42.0789	44.5825
0.619	0.006	34.8358	-71.6169	0.0019	41.8149	44.7302
0.6234	0.0062	34.6702	-72.2239	0.0021	41.8408	44.5283
0.6288	0.0063	34.9462	-76.1421	0.0021	41.7683	44.4643
0.6343	0.0065	35.2221	-74.1002	0.0022	42.0272	44.5923
0.6408	0.0066	34.8358	-75.811	0.0023	41.8511	44.4889
0.6468	0.0067	34.7254	-78.0184	0.0024	41.846	44.4692
0.6532	0.0069	34.891	-76.1421	0.0027	42.0064	44.5726
0.6593	0.0072	34.9462	-78.6255	0.0027	42.1048	44.6416
0.667	0.0072	35.1117	-77.0803	0.0028	42.0841	44.8041
0.6739	0.0075	35.0014	-75.7558	0.0032	42.2032	44.8238
0.6806	0.0077	35.0565	-74.3762	0.003	42.3429	44.9814
0.6872	0.0078	35.2221	-78.2943	0.0033	42.3222	44.9715
0.6957	0.0079	35.1669	-79.1773	0.0035	42.4051	45.011
0.7031	0.0081	36.0499	-79.8395	0.0036	42.5345	45.0011
0.7115	0.0082	35.1117	-82.1021	0.0039	42.4102	44.9568
0.7201	0.0084	35.6636	-80.4466	0.0038	42.6277	45.0602
0.7277	0.0086	35.498	-83.1507	0.0043	42.607	44.9863
0.7364	0.0088	35.2773	-82.0469	0.0041	42.462	45.006
0.7447	0.0089	35.4428	-80.1706	0.0043	42.5759	45.0602
0.7527	0.0091	35.2773	-82.1021	0.0043	42.4568	44.9026
0.7606	0.0093	35.3877	-80.5017	0.0045	42.4672	44.9568
0.7677	0.0098	35.9947	-80.7225	0.0048	42.4465	45.0651
0.7753	0.0099	35.8291	-82.2125	0.0051	42.5604	45.0848
0.7822	0.0101	36.1051	-83.9232	0.0052	42.4465	45.1144
0.7885	0.0103	36.1603	-84.3647	0.0052	42.5914	45.2129
0.7962	0.0103	36.8777	-84.1992	0.0054	42.5759	45.3212

0.8037	0.0106	37.3743	-84.9718	0.0054	42.5759	45.336
0.8104	0.0107	36.6569	-86.0203	0.0057	42.519	45.0602
0.8195	0.0109	36.2154	-84.144	0.0058	42.1669	44.7549
0.8271	0.0111	36.3258	-84.6407	0.0061	41.9599	44.5825
0.8335	0.0114	35.9395	-86.2411	0.0063	42.1721	44.809
0.8397	0.0116	38.2573	-87.3999	0.0064	42.1876	44.9125
0.8456	0.0117	37.7606	-85.027	0.0066	42.3429	45.0356
0.8522	0.0123	37.9262	-84.751	0.0072	42.6121	45.1538
0.8573	0.0123	37.1536	-84.6407	0.0073	42.7778	45.1587
0.8632	0.0126	37.1536	-84.8062	0.0074	42.783	45.2474
0.8683	0.0128	36.988	-83.537	0.0077	42.6018	45.2769
0.8745	0.013	37.1536	-82.654	0.008	42.638	45.2769
0.8811	0.0133	37.6503	-85.0821	0.0081	42.6328	45.2867
0.8887	0.0134	37.871	-85.9651	0.0083	42.5707	45.2473
0.8954	0.0139	38.1469	-87.3999	0.0085	42.8813	45.4887
0.9026	0.014	38.1469	-86.4618	0.0089	43.0573	45.3852
0.9091	0.0145	38.5332	-84.8614	0.0092	42.8865	45.3261
0.9162	0.0148	38.8643	-87.3448	0.0093	43.1505	45.4985
0.9234	0.0149	39.0299	-85.7444	0.0096	43.1143	45.5576
0.9303	0.0152	39.6369	-86.7377	0.01	43.1868	45.5872
0.937	0.0157	39.9129	-89.3314	0.0105	43.3007	45.6807
0.9418	0.0162	39.5818	-86.9585	0.0107	43.3162	45.8728
0.9463	0.0164	38.6988	-87.2896	0.0111	43.2799	45.9516
0.9509	0.0167	38.8643	-86.0755	0.0114	43.4818	45.9073
0.9543	0.0171	39.6369	-86.517	0.0118	43.4094	45.9221
0.9555	0.0174	38.3125	-87.0136	0.0122	43.6786	46.0747
0.9584	0.0178	38.6436	-87.6207	0.0123	43.7303	45.9467
0.9593	0.0181	39.1955	-87.6759	0.0127	43.9529	45.9565
0.9588	0.0185	39.4714	-88.1725	0.013	43.7925	46.06
0.9596	0.0187	39.9681	-87.9518	0.0133	43.9012	46.0353
0.9594	0.0192	39.8577	-90.7663	0.0136	43.9529	46.0304
0.9589	0.0196	40.4647	-91.1525	0.0142	43.9322	46.0156
0.9599	0.02	40.7958	-89.8833	0.0146	43.4922	46.0156
0.9602	0.0205	39.9681	-90.38	0.0152	43.544	45.991
0.9594	0.0208	40.1888	-91.9251	0.0154	43.5854	46.0058
0.9592	0.0214	38.6988	-95.0707	0.0156	43.7459	46.0944
0.9589	0.0218	39.8025	-93.6911	0.0162	43.7821	46.1585
0.9587	0.0222	40.7958	-93.8566	0.0165	43.7821	46.124

0.9574	0.0225	39.5818	-93.8014	0.017	43.9063	46.257
0.9573	0.0232	39.5818	-90.7662	0.0175	43.8442	46.2471
0.9572	0.0237	40.0784	-90.104	0.0177	43.7614	46.2964
0.9562	0.0243	40.3544	-91.8148	0.0184	43.9685	46.3259
0.956	0.0246	40.4647	-123.9327	0.0187	43.9581	46.2717
0.2105	0.0142	-0.6705	-5.2399	0.011	27.2854	25.4574
0.4345	0.0034	40.9062	-100.3133	0.0012	15.9462	24.3313
0.3961	0.003	47.8596	-41.8168	0.0005	18.1567	24.6563
0.4152	0.0029	48.1907	-41.9823	0.0003	20.916	24.8188
0.4325	0.0028	45.8729	-41.5408	0.0001	24.2809	25.592
0.4485	0.0026	47.4733	-41.4857	0.0001	26.7089	27.5374
0.4624	0.0027	48.4114	-41.9823	-0.0001	29.2559	29.9457
0.4761	0.0025	46.1488	-42.6445	-0.0003	31.7822	32.5165
0.4878	0.0025	47.087	-42.5342	-0.0001	34.0082	34.6834
0.4977	0.0026	47.8044	-42.3134	-0.0001	35.8926	36.5894
0.5075	0.0027	47.8596	-42.3686	-0.0003	37.6579	38.4214
0.5167	0.0028	48.0803	-42.5894	-0.0002	39.0763	39.825
0.5257	0.0028	47.4181	-42.6997	0	40.148	40.8937
0.5328	0.003	47.4181	-43.1412	0.0001	40.9918	41.7507
0.5389	0.003	47.3077	-42.9757	0.0001	41.8252	42.5239
0.5462	0.0031	46.7559	-43.0308	0.0003	42.4827	43.1247
0.5528	0.0033	46.7007	-42.8101	0.0002	42.8969	43.6074
0.5589	0.0034	46.3144	-43.362	0.0003	43.3369	43.9915
0.5662	0.0035	45.9281	-43.362	0.0004	43.6009	44.3461
0.5733	0.0037	45.3762	-43.362	0.0006	43.8598	44.5579
0.5801	0.0038	45.2659	-43.362	0.0007	44.0151	44.6859
0.5867	0.0039	45.597	-43.3068	0.0008	44.2014	44.8681
0.5933	0.0041	45.5418	-43.8034	0.0009	44.1911	44.8977
0.5997	0.0043	44.7692	-43.969	0.0009	44.2635	44.9666
0.6047	0.0045	45.1555	-43.6379	0.0012	44.3671	45.0553
0.6097	0.0046	44.7692	-43.8586	0.0013	44.3412	45.0011
0.6145	0.0049	45.0451	-43.7483	0.0016	44.3619	45.0602
0.6199	0.005	44.5484	-43.5275	0.0017	44.3308	45.0454
0.6259	0.0052	44.7692	-43.362	0.0018	44.3412	45.0947
0.6294	0.0053	44.8796	-43.1964	0.002	44.3412	45.0405
0.6346	0.0055	45.2659	-43.1412	0.0021	44.248	44.9913
0.6382	0.0057	44.9899	-43.5275	0.0023	44.2066	45.0208
0.6416	0.0058	45.1003	-43.3068	0.0024	44.2014	45.011

0.6453	0.006	44.6036	-43.2516	0.0024	44.1859	44.9962
0.6483	0.0062	44.9347	-42.9757	0.0027	44.1548	45.0208
0.651	0.0064	44.8796	-43.2516	0.0029	44.1134	45.0454
0.654	0.0066	44.4933	-43.0308	0.0031	44.1341	44.9716
0.657	0.0068	44.7692	-43.0308	0.0032	44.16	44.9223
0.6594	0.0069	44.6036	-43.6379	0.0033	44.1704	44.9272
0.6621	0.007	44.2725	-43.6379	0.0035	44.1807	44.9174
0.6642	0.0072	44.6588	-43.0308	0.0037	44.1652	44.8977
0.666	0.0074	44.1621	-43.2516	0.0038	44.1134	44.9026
0.6682	0.0076	44.714	-42.6997	0.0039	44.129	44.9568
0.6711	0.0077	44.6588	-42.8101	0.0041	44.1755	44.9469
0.6731	0.0079	44.714	-42.3686	0.0042	44.2428	45.0947
0.6743	0.008	44.3277	-42.8101	0.0045	44.4551	45.272
0.6748	0.0081	43.9414	-43.1412	0.0046	44.7036	45.4739
0.6766	0.0084	44.107	-43.0308	0.0048	44.921	45.6709
0.6772	0.0084	43.831	-43.1964	0.0049	45.0297	45.7448
0.6782	0.0086	44.107	-42.9205	0.0052	45.185	45.8925
0.6796	0.0087	43.3344	-43.1964	0.0054	45.242	45.9762
0.6797	0.009	43.7207	-43.2516	0.0055	45.3662	46.055
0.6812	0.0091	43.7758	-43.1964	0.0057	45.4232	46.0895
0.6806	0.0093	43.3895	-43.0308	0.0059	45.4283	46.0994
0.6825	0.0095	43.3895	-42.8653	0.006	45.4853	46.1289
0.6818	0.0097	43.9414	-42.8653	0.0063	45.3973	46.0452
0.6816	0.0099	43.9414	-42.6997	0.0064	45.3455	45.9812
0.6828	0.0101	43.9414	-42.8653	0.0065	45.2937	45.9565
0.6831	0.0103	43.5551	-42.9757	0.0068	45.2006	45.8186
0.6826	0.0105	43.4999	-42.4238	0.0069	45.0401	45.7054
0.6827	0.0106	43.224	-42.479	0.0072	45.0246	45.7004
0.6824	0.0108	43.3895	-42.5342	0.0074	44.9003	45.5625
0.6804	0.0112	43.3895	-42.479	0.0077	44.7709	45.4197
0.6804	0.0114	43.9966	-42.0375	0.0078	44.8227	45.4887
0.6788	0.0116	43.4999	-42.0927	0.0078	44.7709	45.4443
0.6783	0.0118	43.3344	-42.1479	0.0083	44.7243	45.4099
0.6771	0.0121	43.3895	-42.6445	0.0085	44.6984	45.3705
0.6758	0.0124	43.4999	-42.7549	0.0087	44.7243	45.4739
0.6757	0.0125	43.5551	-42.8101	0.0091	44.7036	45.4985
0.6748	0.0128	43.7207	-42.6445	0.0093	44.6881	45.469
0.6736	0.0131	43.3344	-42.3686	0.0095	44.6673	45.5084

0.6722	0.0133	43.1136	-42.5342	0.0097	44.6259	45.4345
0.6715	0.0135	42.7825	-42.5894	0.0099	44.6777	45.4837
0.6702	0.0137	43.2792	-42.479	0.0102	44.6156	45.3852
0.6674	0.014	43.2792	-42.6997	0.0105	44.5793	45.4
0.6659	0.0143	43.3895	-42.5894	0.0108	44.6052	45.469
0.6638	0.0146	42.7825	-43.1412	0.0109	44.5742	45.3557
0.6628	0.0148	42.8377	-42.4238	0.0109	44.6156	45.3803
0.6604	0.015	42.617	-42.0375	0.0115	44.5586	45.3557
0.6582	0.0153	42.9481	-42.3134	0.0116	44.5327	45.272
0.6562	0.0155	42.8929	-42.4238	0.0121	44.6829	45.4394
0.6543	0.0158	43.0033	-42.6997	0.0124	44.833	45.6315
0.6515	0.0161	42.4514	-42.5342	0.0124	45.0453	45.8531
0.6492	0.0164	42.341	-42.479	0.0129	45.2316	46.0058
0.6465	0.0165	42.0651	-42.3686	0.0131	45.4439	46.1141
0.6432	0.0169	42.341	-42.1479	0.0134	45.5474	46.2717
0.6417	0.0171	41.5684	-42.6445	0.0135	45.6872	46.385
0.6391	0.0174	42.0651	-42.4238	0.014	45.7959	46.5327
0.6353	0.0178	41.8444	-42.8653	0.0145	45.8632	46.6657
0.6325	0.018	41.8444	-42.7549	0.0147	45.8994	46.5968
0.6298	0.0184	41.9547	-42.6997	0.015	45.8425	46.5623
0.6269	0.0189	42.1203	-42.7549	0.0155	45.8632	46.5672
0.6238	0.0192	41.5684	-42.8653	0.0156	45.8218	46.5771
0.6203	0.0195	41.6236	-42.9205	0.0161	45.8063	46.5278
0.6177	0.0199	41.7892	-42.7549	0.0164	45.7027	46.5081
0.6146	0.0203	41.6236	-42.9205	0.017	45.6975	46.4195
0.6107	0.0207	41.734	-42.4238	0.0173	45.6354	46.3308
0.6078	0.0212	41.5684	-42.9757	0.0177	45.5785	46.2717
0.6039	0.0217	41.4581	-43.086	0.0182	45.5474	46.2717
0.6003	0.0222	41.4029	-43.086	0.0187	45.4749	46.2077
0.5972	0.0226	41.2925	-43.2516	0.019	45.4076	46.2225
0.5939	0.0232	41.6236	-43.5275	0.0198	45.242	46.0304
0.5894	0.0236	40.9062	-43.969	0.0201	45.2316	46.055
0.5853	0.024	41.2373	-43.5275	0.0206	45.2679	46.055
0.5824	0.0246	41.1269	-43.5827	0.0212	45.242	46.06
0.5786	0.0251	40.5751	-43.0308	0.0216	45.3714	46.1535
0.5743	0.0257	40.851	-43.3068	0.0222	45.4387	46.1585
0.5679	0.0263	39.9681	-43.4171	0.0228	45.3818	46.1929
0.5485	0.0273	39.6921	-43.6931	0.0238	45.6458	46.449

0.5137	0.0285	39.6369	-44.0794	0.025	45.8787	46.715
0.4693	0.0294	39.361	-77.4114	0.0245	45.4956	46.2964

0.3118	0.0024	-49.791	-61.2144	0.0017	23.3764	25.1737
0.5249	0.0013	40.6303	-104.6178	-0.0006	23.4992	23.7649
0.4722	0.0018	45.8729	-43.7483	-0.0005	23.494	23.7107
0.4736	0.0018	46.4799	-43.0308	-0.0005	23.4888	23.7649
0.4744	0.0019	46.0936	-43.5275	-0.0006	23.6027	23.888
0.4752	0.0019	46.7559	-43.6931	-0.0005	23.8461	24.1146
0.4761	0.0019	46.811	-44.1346	-0.0006	25.1144	25.6068
0.4763	0.0019	46.204	-45.2383	-0.0005	29.7425	30.2658
0.4769	0.0018	44.4381	-46.3972	-0.0006	34.5673	34.974
0.4768	0.0018	43.6103	-47.7768	-0.0006	37.4353	37.8846
0.477	0.0019	42.617	-47.9423	-0.0005	39.1644	39.6428
0.4763	0.002	41.8444	-47.9975	-0.0004	40.3913	40.8445
0.4761	0.002	40.3543	-48.8253	-0.0006	41.3283	41.7654
0.4761	0.002	39.9681	-49.0461	-0.0005	41.9909	42.4746
0.4756	0.0021	39.9129	-48.7149	-0.0004	42.55	43.0459
0.4754	0.0022	41.0718	-48.8805	-0.0004	42.9952	43.5236
0.4745	0.0022	41.1269	-48.8253	-0.0005	43.2955	43.7502
0.4734	0.0023	41.6788	-48.7149	-0.0003	43.5491	44.0555
0.472	0.0023	42.1203	-48.8805	-0.0004	43.7769	44.2968
0.4707	0.0023	41.734	-48.7149	-0.0004	43.8649	44.3904
0.469	0.0023	41.4581	-48.8253	-0.0005	43.7355	44.3461
0.467	0.0025	41.2373	-48.7701	-0.0006	43.7976	44.3855
0.4648	0.0026	40.9062	-48.4942	-0.0002	43.9167	44.4741
0.4625	0.0026	41.5132	-48.4942	-0.0003	43.9064	44.4889
0.4603	0.0027	41.4029	-48.439	-0.0001	43.7769	44.3412
0.4586	0.0027	41.5684	-48.3286	-0.0002	43.751	44.3461
0.456	0.0029	40.7958	-49.1564	0	43.7303	44.3018
0.4531	0.0029	41.0166	-48.6046	0	43.6216	44.2279
0.4503	0.003	40.5751	-48.7701	0.0002	43.632	44.2279
0.4481	0.0031	40.4647	-48.7149	0.0002	43.4974	44.09
0.4458	0.0032	40.5751	-48.7701	0.0003	43.4301	44.0161
0.443	0.0033	40.5199	-48.5494	0.0003	43.3783	43.9472
0.44	0.0033	39.8025	-48.6046	0.0004	43.3576	43.8881
0.4366	0.0034	39.5818	-49.1012	0.0005	43.368	43.8979

0.4335	0.0035	38.2021	-49.2116	0.0004	43.4353	43.9275
0.4298	0.0035	39.2506	-49.4875	0.0005	43.4353	43.957
0.4262	0.0036	37.3192	-49.5427	0.0007	43.4611	43.9176
0.4221	0.0037	38.6436	-49.6531	0.0008	43.3887	43.8979
0.418	0.0038	37.1536	-49.7635	0.0009	43.2127	43.7748
0.4138	0.004	37.5399	-49.7635	0.0011	43.3472	43.8585
0.4094	0.004	37.5399	-50.0394	0.0011	43.4663	44.0604
0.4048	0.004	36.8777	-50.0394	0.0013	43.7252	44.2968
0.4011	0.0041	37.0432	-49.9842	0.0012	43.9995	44.5776
0.3964	0.0042	36.988	-50.4257	0.0015	44.1238	44.617
0.3913	0.0042	36.1603	-51.3638	0.0016	44.4292	44.8534
0.3865	0.0045	35.8843	-50.812	0.0015	44.7709	45.1587
0.3809	0.0045	37.0984	-50.7016	0.0018	44.9469	45.3114
0.3741	0.0047	36.4362	-50.0394	0.002	45.2782	45.661
0.3672	0.005	34.7806	-50.4257	0.0021	45.5474	45.9073
0.3599	0.0051	36.3258	-50.4809	0.0024	45.5785	45.9565
0.3531	0.0052	36.6569	-53.1298	0.0025	45.3869	45.7497
0.3569	0.0054	38.0366	-60.3591	0.0027	45.0504	45.469
0.3633	0.0056	38.0917	-59.9176	0.0028	45.0453	45.4345
0.3673	0.0057	39.6921	-59.4209	0.003	45.0556	45.4197
0.3701	0.0059	38.6436	-58.7035	0.003	45.0142	45.4296
0.3716	0.0061	38.8092	-59.2554	0.0033	45.0763	45.5034
0.3734	0.0064	39.4162	-59.6968	0.0036	45.0453	45.5675
0.3748	0.0066	38.6988	-59.4209	0.0036	45.0556	45.5478
0.3764	0.0068	39.1955	-60.4694	0.0039	45.0815	45.5921
0.3771	0.007	41.0166	-60.9661	0.0041	45.0504	45.5675
0.378	0.0072	40.4647	-61.4628	0.0042	44.9883	45.5625
0.3796	0.0074	39.8577	-62.8976	0.0044	44.9365	45.469
0.3802	0.0076	38.6988	-62.732	0.0047	44.8951	45.4837
0.3813	0.0078	39.9681	-62.0146	0.0048	44.8641	45.5084
0.3814	0.0079	39.9129	-61.1868	0.0051	44.7502	45.3655
0.3805	0.0082	40.1888	-61.4076	0.0053	44.7709	45.3852
0.3809	0.0085	40.244	-64.5532	0.0055	44.8485	45.4542
0.3796	0.0086	40.0784	-60.2487	0.0055	44.7916	45.4542
0.3789	0.0089	40.9614	-58.1517	0.0059	44.7554	45.3705
0.3801	0.0092	40.7958	-57.8757	0.006	44.7191	45.4197
0.3807	0.0094	41.1821	-58.1517	0.0062	44.7139	45.4394
0.3811	0.0097	41.2373	-57.8205	0.0066	44.6984	45.4049

0.3815	0.0101	40.851	-59.2554	0.0069	44.7088	45.4542
0.3817	0.0104	41.5132	-59.5865	0.0071	44.8019	45.5133
0.3816	0.0107	41.3477	-59.0346	0.0075	44.833	45.5428
0.382	0.011	41.5684	-58.4276	0.0078	44.8226	45.4887
0.3812	0.0113	42.0099	-58.7035	0.0082	44.833	45.533
0.3808	0.0116	41.5132	-59.4761	0.0083	44.7139	45.5182
0.3806	0.0119	40.851	-59.8624	0.0087	44.7243	45.5084
0.381	0.0122	40.9062	-59.3657	0.0089	44.6673	45.5034
0.3815	0.0125	40.1888	-58.8691	0.0091	44.6777	45.533
0.3812	0.0128	40.7406	-60.3039	0.0096	44.6725	45.5822
0.382	0.013	40.9062	-60.9109	0.0098	44.7398	45.533
0.3823	0.0134	41.2373	-60.8557	0.0101	44.6259	45.4591
0.3823	0.0139	41.2925	-61.4076	0.0105	44.7295	45.5133
0.3826	0.0143	39.9681	-61.1317	0.011	44.6881	45.4887
0.3829	0.0146	41.0718	-60.5798	0.0113	44.6673	45.5034
0.382	0.015	40.1888	-60.4694	0.0117	44.7088	45.5428
0.3816	0.0154	40.244	-62.125	0.012	44.7502	45.6069
0.3821	0.0157	40.7406	-62.7872	0.0125	44.7243	45.5576
0.3822	0.0162	40.4647	-62.5665	0.0126	44.688	45.5034
0.3826	0.0164	40.6303	-61.8491	0.0133	44.6363	45.5231
0.3828	0.0168	40.6303	-62.6769	0.0135	44.7346	45.5872
0.3831	0.0173	40.6303	-63.1183	0.014	44.9314	45.8433
0.3833	0.0177	40.4647	-64.1117	0.0142	45.1954	46.0403
0.3842	0.018	40.7406	-64.3876	0.0147	45.3766	46.2176
0.385	0.0184	39.7473	-64.5532	0.015	45.5526	46.3752
0.3852	0.0189	40.0232	-64.3324	0.0155	45.7907	46.5623
0.3851	0.0194	39.4162	-64.0565	0.0161	45.8943	46.6706
0.3843	0.0198	39.0851	-63.2839	0.0165	46.0392	46.779
0.3837	0.0203	39.1403	-64.0013	0.0169	46.1376	46.976
0.3836	0.0207	38.9747	-64.5532	0.0173	46.2515	47.0499
0.3835	0.0213	39.8577	-64.4428	0.0177	46.1945	47.0351
0.3838	0.0218	38.3125	-63.8909	0.018	46.1427	47.0548
0.384	0.0222	40.0784	-63.7254	0.0181	46.0806	46.8873
0.3842	0.0228	39.2506	-63.6702	0.0185	45.9253	46.7888
0.384	0.0233	39.6921	-63.0632	0.019	45.7959	46.6509
0.384	0.0239	38.9195	-63.1735	0.0195	45.7286	46.6263
0.3828	0.0246	39.6921	-63.1183	0.0202	45.6251	46.5524
0.3828	0.0253	37.7606	-62.6769	0.0207	45.5578	46.4146

0.3815	0.026	39.9129	-62.4009	0.0214	45.5215	46.4096
0.3808	0.0265	38.6988	-62.5113	0.0219	45.4646	46.3062
0.3806	0.0271	38.8643	-62.5113	0.0223	45.4439	46.3062
0.3804	0.0276	38.9195	-63.1735	0.0229	45.4542	46.4047
0.3787	0.0283	38.8092	-69.575	0.0237	45.4335	46.3801
0.374	0.0292	39.2506	-104.673	0.0244	45.2989	46.1043
0.3648	0.0301	39.5818	-188.8307	0.0256	44.978	45.6069

0.209	0.009	1.2665	-4.8922	0.0068	26.3442	26.1355
0.439	0.0019	28.8206	-106.6596	-0.0001	24.7209	25.5477
0.4107	0.0024	36.4362	-44.5209	-0.0002	24.9177	25.6511
0.4245	0.0023	37.5399	-44.3001	-0.0001	23.2714	25.8728
0.4374	0.0024	38.0366	-44.2449	-0.0001	23.5976	26.0796
0.4501	0.0025	38.9195	-44.3001	-0.0001	24.8141	26.3652
0.4616	0.0025	39.5266	-45.0727	-0.0001	28.2205	28.5667
0.4721	0.0024	39.4714	-46.1212	-0.0001	33.3145	33.9151
0.4815	0.0026	38.478	-46.2868	0	36.9797	37.7812
0.4895	0.0028	38.5884	-46.3972	0	38.9883	39.7758
0.498	0.0028	37.5951	-46.949	0.0001	40.1842	40.9331
0.5053	0.0029	37.9814	-47.2249	0	41.0487	41.8492
0.5118	0.0028	38.0366	-46.949	0.0001	41.701	42.5239
0.5183	0.0029	38.4229	-47.3353	-0.0001	42.2601	43.0213
0.5236	0.003	39.1403	-46.8386	0	42.6328	43.4005
0.5295	0.0029	41.0166	-46.342	0	42.9952	43.7403
0.5342	0.0032	42.2858	-47.2801	0.0002	43.223	43.9619
0.5378	0.0031	42.0651	-47.3905	0.0001	43.456	44.1737
0.5413	0.003	41.6236	-47.556	0	43.5802	44.3018
0.5452	0.003	41.6236	-47.7216	0	43.663	44.4052
0.5478	0.0031	41.5684	-47.4457	0.0002	43.7666	44.4889
0.5512	0.003	41.2373	-47.7216	0.0001	43.8598	44.5283
0.5543	0.003	41.4029	-48.0527	0.0002	43.9374	44.617
0.557	0.003	40.5199	-48.5494	0.0002	43.9685	44.6268
0.5605	0.0031	40.9062	-48.3286	0.0001	43.9995	44.6958
0.5631	0.0031	40.5751	-47.7768	0.0002	43.9944	44.7056
0.5658	0.0031	40.244	-48.2735	0.0002	44.0617	44.7746
0.5679	0.0032	40.6303	-47.7216	0.0003	44.1755	44.8287
0.5712	0.0031	39.9129	-47.7768	0.0002	44.2325	44.8977
0.5739	0.0032	39.8025	-48.3838	0.0001	44.305	44.9322

0.5764	0.0031	40.1336	-48.4942	0.0002	44.3878	44.942
0.5783	0.0032	39.5818	-48.1631	0.0001	44.3981	45.0208
0.5802	0.0031	39.4714	-48.1079	0.0002	44.4085	45.0504
0.5823	0.0031	39.361	-48.3286	0.0002	44.4344	45.0602
0.5843	0.0031	39.4714	-48.439	0.0003	44.305	44.9913
0.5854	0.0032	39.7473	-48.6598	0.0003	44.1755	44.8583
0.5862	0.0032	39.8025	-48.8805	0.0003	44.1031	44.8337
0.5873	0.0032	39.8577	-48.8805	0.0003	44.1341	44.8287
0.5885	0.0033	39.8025	-48.2735	0.0003	44.1186	44.8287
0.5891	0.0033	39.4714	-48.4942	0.0003	44.0772	44.7746
0.5899	0.0035	39.9129	-48.4942	0.0003	44.0927	44.8287
0.5908	0.0035	39.361	-48.4942	0.0003	44.2221	44.9371
0.5902	0.0035	39.3058	-48.439	0.0004	44.3257	44.9617
0.5909	0.0036	40.1888	-48.3286	0.0004	44.3619	45.0503
0.5911	0.0036	39.6921	-48.4942	0.0003	44.3774	45.0848
0.5913	0.0036	42.0651	-48.3838	0.0004	44.3774	45.0651
0.5906	0.0036	42.1203	-48.439	0.0004	44.3101	45.0307
0.5904	0.0036	41.1269	-48.8805	0.0005	44.3205	45.0405
0.5892	0.0037	39.9681	-48.5494	0.0006	44.3257	44.9519
0.5883	0.0036	42.1203	-48.7149	0.0004	44.1807	44.8583
0.5884	0.0035	41.6788	-48.9357	0.0005	44.2118	44.8632
0.5881	0.0036	41.5132	-48.9357	0.0006	44.1963	44.9075
0.5878	0.0037	41.8995	-48.9357	0.0007	44.1755	44.8829
0.5875	0.0037	41.6236	-48.8805	0.0007	44.1859	44.8731
0.5864	0.0037	41.7892	-49.2116	0.0006	44.1134	44.8681
0.5844	0.0037	41.4581	-49.2116	0.0007	44.1497	44.9075
0.5839	0.0038	41.5684	-49.3772	0.0007	44.2377	44.9666
0.5828	0.0038	42.0099	-49.5979	0.0008	44.3309	45.07
0.5814	0.004	41.5132	-49.1012	0.0008	44.4551	45.139
0.5798	0.004	41.8444	-49.3772	0.0008	44.5742	45.2769
0.5781	0.004	41.4581	-49.5427	0.0008	44.7139	45.3606
0.5766	0.0041	41.6236	-49.3772	0.001	44.9365	45.5084
0.5744	0.0042	41.3477	-49.2668	0.0011	45.066	45.6512
0.572	0.0042	41.1269	-49.322	0.0011	45.1799	45.7398
0.5701	0.0044	41.0166	-49.5427	0.0013	45.3352	45.8236
0.568	0.0045	41.2925	-49.8738	0.0013	45.3714	45.9024
0.5654	0.0046	41.1269	-49.9842	0.0015	45.4283	45.9171
0.562	0.0048	41.8995	-49.2668	0.0017	45.5992	46.1289

0.5591	0.0049	41.2925	-49.3772	0.0018	45.6768	46.1585
0.5555	0.005	41.1269	-48.9357	0.0019	45.7855	46.2964
0.5525	0.0053	41.2373	-49.0461	0.0023	45.8943	46.3949
0.5488	0.0054	41.3477	-48.9357	0.0024	46.0082	46.518
0.5449	0.0056	41.5132	-48.6046	0.0026	46.1117	46.6756
0.5402	0.0059	41.3477	-48.5494	0.0028	46.2929	46.8282
0.5348	0.0062	41.3477	-48.6046	0.0032	46.4482	47.0105
0.5294	0.0066	40.9062	-48.7701	0.0035	46.4482	47.0006
0.5251	0.007	40.7406	-48.8253	0.0039	46.5465	47.0597
0.5197	0.0074	40.851	-48.8253	0.0043	46.4378	46.9267
0.5144	0.0078	41.7892	-49.0461	0.0045	46.6087	47.0351
0.5095	0.0083	41.4029	-49.2116	0.005	46.7174	47.1434
0.5041	0.0087	40.851	-49.2668	0.0057	46.8416	47.2567
0.4984	0.0093	40.2992	-49.4875	0.0062	46.8261	47.306
0.4926	0.0099	39.4162	-49.4324	0.0068	46.8157	47.2912
0.4869	0.0105	38.754	-49.3772	0.0074	46.7433	47.2666
0.4805	0.0112	38.0917	-49.4324	0.0079	46.7122	47.306
0.474	0.0118	38.754	-49.1012	0.0087	46.7588	47.3749
0.468	0.0124	37.9262	-49.0461	0.0093	46.8261	47.4586
0.4606	0.0132	37.5399	-49.0461	0.01	46.9555	47.5818
0.4528	0.0139	38.2021	-49.1564	0.0107	46.9918	47.6113
0.4444	0.0147	37.4295	-48.9909	0.0115	47.1781	47.8575
0.4362	0.0156	37.3191	-51.3638	0.0118	47.1678	47.8034
0.4374	0.0164	38.5884	-69.9061	0.0125	46.6863	47.3257
0.4404	0.0172	38.0366	-78.4599	0.0128	46.676	47.2863
0.4432	0.0181	39.9681	-83.7025	0.0137	46.7225	47.3798
0.446	0.0192	39.6369	-90.8214	0.0147	46.7174	47.3355
0.4482	0.0203	39.6369	-93.1392	0.0156	46.7226	47.4045
0.4499	0.0215	39.0851	-99.3752	0.0168	46.7329	47.4389
0.4511	0.0227	39.6369	-106.8252	0.018	46.707	47.4439
0.4532	0.024	39.8577	-106.0526	0.0191	46.4275	47.3651
0.453	0.0255	40.4095	-108.0393	0.0205	46.4119	47.1434
0.4518	0.0268	40.2992	-114.1649	0.0217	45.9201	47.1385
0.4512	0.0284	40.0784	-115.0478	0.023	45.4698	47.2567
0.4513	0.03	40.244	-113.2267	0.0245	45.2057	47.3552
0.4518	0.0316	39.5818	-112.5093	0.0259	45.185	47.4094
0.4523	0.0334	39.6369	-117.7519	0.0274	45.4387	47.3995
0.4525	0.0355	39.8577	-119.573	0.0293	46.0185	47.4291

0.4523	0.0375	39.968	-119.9593	0.0314	45.5474	47.4685
0.4541	0.0394	40.4647	-106.77	0.0331	45.3559	47.5177
0.4528	0.0419	39.8025	-118.6901	0.0354	45.2264	47.498
0.4517	0.0442	40.0784	-118.4693	0.0379	45.1333	47.4685
0.4457	0.047	39.7473	-163.1143	0.0407	45.4491	47.2715

0.2067	0.0041	-15.869	-20.6366	0.0025	22.8778	21.7474
0.4583	0.0022	30.3658	-102.3552	-0.0001	17.2197	23.1542
0.4244	0.0027	33.0147	-43.4723	-0.0001	18.3016	23.7156
0.4439	0.0028	32.9043	-43.4171	-0.0001	18.9953	24.1293
0.4607	0.0027	33.0699	-44.4105	-0.0002	19.8858	24.5529
0.4754	0.0028	34.0632	-44.1346	-0.0001	22.702	25.0404
0.4885	0.003	35.2773	-43.4723	0	26.6053	27.434
0.499	0.0031	36.3258	-44.0242	-0.0002	30.6174	31.2409
0.5099	0.003	37.1536	-44.2449	-0.0003	34.1739	34.8509
0.5196	0.0032	37.7054	-43.969	-0.0001	36.6277	37.3133
0.5276	0.0032	37.3191	-44.4657	-0.0001	38.1186	38.8844
0.5355	0.0033	36.988	-44.7416	0	39.242	40.1353
0.5432	0.0034	36.8777	-44.7968	0	40.0548	40.9282
0.5504	0.0034	36.8225	-44.7968	0	40.6708	41.4552
0.5571	0.0035	36.8777	-44.7968	-0.0001	41.1419	41.9181
0.5641	0.0037	37.264	-44.6312	-0.0001	41.5198	42.3072
0.5711	0.0039	38.0366	-43.4171	0.0002	41.7528	42.6273
0.5772	0.0039	37.4295	-44.6312	0.0001	41.7787	42.7209
0.5855	0.0039	37.7054	-44.7416	0.0002	41.934	42.8489
0.5937	0.0041	37.9814	-44.6312	0.0001	41.9857	42.8735
0.6006	0.0041	37.7054	-44.7416	0.0001	42.0893	43.0361
0.6069	0.004	37.7054	-44.2449	0.0002	42.1203	43.1986
0.6137	0.0042	38.2573	-44.4105	0.0003	42.1773	43.3316
0.6207	0.0043	38.6436	-44.0794	0.0003	42.2912	43.3907
0.6255	0.0042	36.7673	-44.9071	0.0001	42.519	43.6172
0.6308	0.0044	37.264	-45.0727	0.0004	42.7623	43.8634
0.6361	0.0045	37.7606	-45.4038	0.0004	42.8813	44.0063
0.6412	0.0045	37.4295	-44.5208	0.0005	43.0884	44.1737
0.6443	0.0046	37.1536	-45.1831	0.0004	43.2696	44.351
0.6486	0.0046	37.1536	-45.459	0.0005	43.4715	44.5382
0.653	0.0047	37.2088	-45.6246	0.0006	43.6579	44.7105

0.6567	0.0047	37.264	-45.1279	0.0007	43.9012	44.9272
0.6597	0.0049	37.5399	-44.6864	0.0009	44.0358	45.0848
0.6625	0.005	37.3192	-45.5142	0.001	44.2325	45.2572
0.666	0.005	37.4295	-45.459	0.0009	44.3101	45.336
0.6686	0.0051	36.4914	-45.7901	0.0009	44.3464	45.3754
0.6718	0.0054	37.4295	-45.3486	0.0011	44.4344	45.464
0.6743	0.0053	37.1536	-45.4038	0.001	44.3878	45.4345
0.6761	0.0055	37.4295	-44.852	0.0011	44.4758	45.4887
0.6789	0.0055	37.5951	-44.7416	0.0013	44.3516	45.3655
0.681	0.0057	37.264	-44.9071	0.0015	44.217	45.2572
0.6833	0.0059	37.8158	-44.576	0.0017	44.0979	45.1882
0.6835	0.006	37.0432	-45.5142	0.0015	44.0513	45.1095
0.6849	0.006	37.6503	-44.852	0.0017	44.0565	45.1242
0.686	0.0063	38.0917	-44.0242	0.002	44.0617	45.1242
0.6878	0.0063	37.6503	-44.6312	0.0019	43.9063	44.9568
0.6878	0.0062	37.4295	-44.0242	0.0021	43.8753	44.942
0.6903	0.0064	38.2021	-43.7483	0.0021	43.808	44.8534
0.691	0.0067	38.5884	-43.4723	0.0024	43.7407	44.8632
0.6914	0.0066	37.5951	-44.3001	0.0024	43.6682	44.7499
0.6914	0.0068	37.9814	-43.9138	0.0025	43.663	44.7056
0.6931	0.0068	38.3677	-44.0242	0.0027	43.5957	44.6711
0.6932	0.0069	37.8158	-43.8034	0.0028	43.5388	44.6367
0.6935	0.0074	38.6436	-43.969	0.003	43.7303	44.8189
0.6932	0.0074	37.5399	-44.3001	0.0029	43.8183	44.8878
0.6927	0.0074	37.8158	-43.1964	0.0032	44.0461	44.9913
0.6938	0.0075	37.8158	-43.5827	0.0033	44.1341	45.1291
0.6931	0.0075	37.1536	-44.1346	0.0032	44.2635	45.2818
0.6931	0.0078	37.7606	-43.8034	0.0036	44.4189	45.4246
0.6928	0.008	37.5951	-43.5827	0.0039	44.5172	45.5379
0.693	0.008	37.5951	-43.7483	0.0038	44.5897	45.5182
0.6926	0.0083	37.4295	-44.1346	0.0039	44.657	45.5921
0.6926	0.0083	37.2088	-44.576	0.0039	44.7605	45.7743
0.6922	0.0088	38.0917	-43.7483	0.0044	44.7295	45.73
0.6923	0.0088	38.0917	-44.2449	0.0045	44.6622	45.6364
0.6918	0.0089	37.9262	-43.5275	0.0047	44.6259	45.6167
0.6912	0.009	37.8158	-44.2449	0.0047	44.5793	45.5675
0.6907	0.0093	38.1469	-43.9138	0.0049	44.5845	45.5133
0.6899	0.0093	37.9262	-43.9138	0.005	44.4654	45.4493

0.6894	0.0097	37.8158	-43.6379	0.0053	44.3723	45.3557
0.6893	0.0097	38.2021	-43.3068	0.0054	44.2635	45.2424
0.688	0.0101	38.3677	-43.3068	0.0057	44.2014	45.1636
0.687	0.0102	37.9814	-43.5827	0.0059	44.0927	45.1095
0.6858	0.0104	38.6436	-42.8101	0.0062	44.1186	45.0996
0.6839	0.0109	37.9262	-43.6379	0.0064	44.041	45.0257
0.6828	0.011	38.478	-43.3068	0.0064	43.9219	44.9223
0.6812	0.0112	38.2573	-43.0308	0.0069	43.7821	44.7401
0.6792	0.0112	38.0366	-43.5275	0.0069	43.7821	44.7401
0.6783	0.0117	38.5332	-42.6445	0.0072	43.751	44.7302
0.6774	0.0119	38.9747	-42.5894	0.0075	43.7252	44.7204
0.6754	0.012	38.5884	-43.3068	0.0077	43.663	44.6613
0.6731	0.0122	38.4229	-43.8586	0.0079	43.6216	44.5529
0.6726	0.0126	38.8643	-43.4723	0.0082	43.6734	44.617
0.6707	0.0129	38.6436	-43.1964	0.0085	43.7355	44.7499
0.6684	0.0128	38.0917	-43.5827	0.0087	43.8339	44.8583
0.6672	0.0131	38.4229	-43.7483	0.0089	44.0461	45.0405
0.665	0.0135	38.0917	-43.4723	0.0092	44.2273	45.267
0.6624	0.0138	38.1469	-43.4723	0.0094	44.5172	45.4985
0.661	0.0139	38.3125	-43.5275	0.0097	44.5431	45.5379
0.6593	0.0142	37.7606	-43.7483	0.01	44.5793	45.6216
0.6573	0.0145	38.5332	-43.5827	0.0102	44.833	45.7497
0.6549	0.0149	38.2573	-43.8034	0.0106	44.9365	45.8876
0.6532	0.0151	38.1469	-44.1897	0.0109	44.9676	45.8777
0.652	0.0155	38.9747	-43.3068	0.0114	45.009	45.8974
0.6496	0.0157	38.3125	-43.5275	0.0116	44.921	45.7743
0.6477	0.0164	38.6436	-42.9757	0.012	44.7398	45.6216
0.6461	0.0169	38.754	-43.086	0.0125	44.7243	45.5576
0.6436	0.0169	38.3677	-43.3068	0.0127	44.5742	45.4296
0.6411	0.0172	38.2021	-43.3068	0.0129	44.4292	45.2966
0.6388	0.0176	39.3058	-43.6931	0.0134	44.4189	45.272
0.6362	0.0182	39.6369	-42.5342	0.0139	44.305	45.2129
0.6272	0.0185	38.478	-43.2516	0.0145	44.2118	45.1045
0.6069	0.0195	37.0984	-43.969	0.0154	44.3153	45.2326
0.5754	0.0202	35.0565	-44.6864	0.0161	44.3516	45.267
0.5305	0.0209	34.4495	-44.7968	0.0168	44.4188	45.3212
0.4637	0.0218	33.7873	-63.615	0.0176	44.2325	45.2227

0.2266	0.0083	-44.668	-56.7771	0.0075	24.3932	23.117
0.5027	0.0031	34.3997	-109.6989	0.0007	21.4311	24.809
0.4578	0.0031	39.0336	-40.7482	0.0002	23.5647	24.9715
0.4716	0.0028	39.2011	-40.9715	-0.0001	24.3974	25.198
0.4838	0.0028	39.9827	-40.6923	-0.0002	26.3801	25.986
0.4948	0.0027	40.9877	-41.1948	-0.0003	28.4618	27.9363
0.5049	0.0025	42.1043	-40.804	-0.0004	30.6475	30.1328
0.5141	0.0024	42.8301	-41.1948	-0.0005	33.0362	32.5854
0.5224	0.0025	41.9926	-41.5298	-0.0005	35.5341	35.0479
0.5295	0.0026	42.1601	-41.1948	-0.0005	37.7146	37.1754
0.5351	0.0026	42.2718	-40.9715	-0.0005	39.4424	38.9139
0.5403	0.0025	41.6577	-41.1948	-0.0005	40.7642	40.2338
0.5457	0.0027	41.4902	-42.1998	-0.0004	41.9195	41.4256
0.5505	0.0027	41.2668	-41.809	-0.0006	42.8355	42.3515
0.5551	0.0027	41.546	-42.0881	-0.0006	43.5484	43.0853
0.5603	0.0028	41.2668	-42.4789	-0.0005	44.2093	43.7206
0.5648	0.0028	41.211	-42.7581	-0.0003	44.5892	44.09
0.5692	0.0028	40.7644	-43.5397	-0.0004	44.9535	44.4003
0.5727	0.003	40.7085	-43.0931	-0.0002	45.2554	44.7499
0.5765	0.0031	41.0435	-43.0372	-0.0002	45.5416	45.0701
0.5807	0.0032	40.7085	-43.6514	0.0001	45.8955	45.3557
0.5847	0.0034	39.0895	-43.5397	0.0002	46.114	45.5822
0.5883	0.0036	39.2011	-43.4839	0.0003	46.3586	45.7595
0.5913	0.0039	38.8661	-43.4839	0.0005	46.5408	46.055
0.5939	0.0041	39.7594	-44.1538	0.0008	46.6813	46.2422
0.5962	0.0043	39.1453	-44.5447	0.0011	46.8426	46.3998
0.5996	0.0045	38.7545	-44.8796	0.0014	46.9935	46.4983
0.6016	0.0048	38.6428	-44.6005	0.0017	47.1288	46.6657
0.6032	0.0051	40.541	-45.3263	0.0018	47.2954	46.8233
0.6059	0.0053	39.3128	-45.5496	0.002	47.311	46.8923
0.6077	0.0058	40.2061	-45.2146	0.0021	47.4567	46.8627
0.6084	0.0061	40.541	-45.8846	0.0024	47.5295	47.04
0.6131	0.0063	40.4294	-47.392	0.0026	47.7117	47.1287
0.6198	0.0066	39.5919	-46.0521	0.003	47.7585	47.3306
0.6237	0.0067	38.3637	-45.2705	0.0032	47.8782	47.4242
0.6272	0.007	38.3637	-45.6054	0.0034	47.9199	47.434
0.6322	0.0073	38.7545	-45.3821	0.0036	47.9823	47.5276

0.6361	0.0075	39.4244	-45.4379	0.0038	48.0604	47.6113
0.6406	0.0077	39.2011	-45.6054	0.0041	48.1853	47.7049
0.644	0.008	38.4195	-45.1588	0.0043	48.2946	47.695
0.6481	0.0081	38.4753	-45.2704	0.0044	48.3154	47.8674
0.6512	0.0083	38.6428	-45.5496	0.0047	48.3622	47.8871
0.6549	0.0085	38.4195	-45.4379	0.0048	48.4142	47.9314
0.6593	0.0088	38.7545	-45.2146	0.0053	48.4611	47.961
0.6617	0.0091	38.587	-45.103	0.0053	48.4455	47.9265
0.6663	0.0094	38.6428	-45.103	0.0055	48.4455	47.8871
0.6683	0.0097	38.4195	-44.9355	0.0058	48.4142	47.8329
0.6714	0.0099	38.922	-44.9913	0.006	48.4403	47.8674
0.6734	0.0101	38.8103	-44.8796	0.006	48.4194	47.9265
0.6757	0.0103	38.922	-44.8796	0.0064	48.4611	47.9462
0.6773	0.0104	38.3637	-44.5447	0.0064	48.586	47.9856
0.679	0.0106	38.3078	-45.0471	0.0066	48.6276	47.9659
0.6823	0.0107	38.4753	-44.9355	0.0068	48.612	48.0201
0.6843	0.011	38.3078	-44.7121	0.007	48.6328	48.0545
0.6879	0.0111	38.3078	-44.4888	0.0072	48.7161	48.0644
0.6903	0.0114	38.3078	-44.7121	0.0076	48.4715	47.8526
0.6936	0.0116	38.3078	-44.6563	0.0078	48.305	47.6901
0.6966	0.0117	38.7545	-44.2097	0.0079	48.2321	47.5818
0.6989	0.0121	38.6428	-44.3772	0.0082	48.0864	47.434
0.7019	0.0123	39.4244	-44.433	0.0083	48.0343	47.4439
0.7049	0.0125	39.2569	-44.5447	0.0085	47.8678	47.3158
0.7073	0.0128	39.3128	-44.1538	0.0086	47.873	47.2272
0.7094	0.0131	39.0336	-44.2655	0.009	47.8522	47.2764
0.7117	0.0132	39.4803	-44.6005	0.009	47.9407	47.3552
0.7128	0.0134	39.7594	-44.3213	0.0095	47.9979	47.4439
0.7136	0.0137	39.9269	-44.3213	0.0095	48.1228	47.4783
0.7147	0.0138	38.6428	-44.3213	0.0096	48.1644	47.5571
0.7158	0.014	40.1502	-44.2097	0.0096	48.2477	47.5867
0.718	0.0142	39.6478	-44.433	0.0099	48.3934	47.7541
0.7208	0.0143	38.587	-44.3213	0.0101	48.5183	47.8772
0.7223	0.0147	39.8711	-44.4888	0.0104	48.7161	48.0545
0.7246	0.0147	40.7644	-44.6005	0.0106	48.7681	48.222
0.7272	0.015	40.9319	-44.7121	0.0108	48.841	48.2121
0.731	0.0152	40.8202	-46.0521	0.0112	48.9294	48.2565
0.7338	0.0153	40.9877	-54.7616	0.0114	48.8098	48.153

0.7357	0.0155	39.7036	-52.9192	0.0117	48.8566	48.2712
0.7383	0.0159	39.7594	-50.9093	0.0119	48.9242	48.2565
0.7406	0.0161	39.5361	-49.0111	0.0122	48.9451	48.2909
0.7412	0.0164	39.7036	-51.5793	0.0122	48.893	48.2121
0.7436	0.0167	39.8153	-46.4987	0.0126	48.8306	48.1629
0.7461	0.0169	40.2619	-45.4938	0.0129	48.841	48.1678
0.7485	0.017	39.3686	-44.3772	0.0132	48.8514	48.2072
0.7487	0.0172	39.3128	-44.8238	0.013	48.8254	48.1678
0.7516	0.0175	39.2011	-44.2097	0.0133	48.919	48.286
0.753	0.0177	39.4244	-44.433	0.0135	48.9919	48.3599
0.7553	0.0178	38.9778	-44.3213	0.0136	48.9711	48.35
0.7569	0.0181	39.2569	-44.2655	0.0141	49.0491	48.4091
0.7584	0.0183	39.4244	-45.1588	0.0142	49.1012	48.3845
0.7605	0.0187	39.2011	-45.8288	0.0147	49.07	48.4042
0.7628	0.0188	39.2011	-44.2655	0.0149	49.0804	48.4682
0.7649	0.0192	39.8153	-44.433	0.0153	49.0127	48.3993
0.766	0.0195	39.6478	-45.103	0.0155	49.0648	48.4633
0.7669	0.0196	39.8711	-44.768	0.0155	49.07	48.4141
0.7679	0.0199	40.0386	-44.6005	0.0159	48.8514	48.222
0.7685	0.0203	39.7594	-44.3772	0.0163	48.5235	47.8871
0.7696	0.0205	39.4244	-44.3213	0.0163	48.3102	47.7098
0.7712	0.021	39.4244	-44.6005	0.0168	48.1644	47.5473
0.7711	0.0213	39.8711	-43.9864	0.0171	48.0135	47.3995
0.7719	0.0218	39.6478	-44.0422	0.0175	47.8678	47.2813
0.7715	0.0219	39.9827	-44.2097	0.0178	47.8574	47.2616
0.7719	0.0222	40.7085	-48.1178	0.0181	47.9251	47.3995
0.7733	0.0225	40.4852	-46.1079	0.0184	47.9823	47.434
0.774	0.0227	39.0895	-45.3263	0.0186	48.0448	47.5177
0.7743	0.0232	39.5919	-46.0521	0.0188	48.1436	47.6015
0.776	0.0234	39.3686	-44.9913	0.0192	48.2165	47.7344
0.7763	0.0239	39.4803	-47.2245	0.0199	48.3466	47.8526
0.7747	0.0241	39.7594	-73.9115	0.0199	48.3102	47.8576
0.7713	0.0247	39.8153	-151.6834	0.0201	48.1644	47.5965
0.2353	0.0028	-4.0479	-5.2895	0.0006	22.8871	22.6295
0.4458	0.0023	34.6151	-102.6863	-0.0002	16.3086	24.3953
0.4021	0.0026	39.4714	-40.9338	-0.0004	17.0281	24.6859

0.4125	0.0028	40.3544	-41.0442	-0.0001	17.5665	24.8336
0.4216	0.0027	42.1203	-41.5408	-0.0002	19.0885	24.9518
0.4302	0.0026	41.6236	-41.7064	-0.0003	23.1368	25.198
0.4385	0.0027	43.3344	-41.9823	-0.0002	26.5328	27.1532
0.4469	0.0027	44.3829	-41.596	-0.0003	29.7166	30.7927
0.456	0.0027	44.9347	-41.7616	-0.0003	32.8382	34.3534
0.4651	0.0028	46.6455	-41.8168	-0.0002	35.2196	37.0474
0.4735	0.0027	47.087	-41.3753	-0.0003	36.5966	38.7662
0.4812	0.0028	44.9347	-41.2097	-0.0003	37.72	39.9235
0.4889	0.0029	40.3544	-41.2649	-0.0002	38.657	40.8987
0.4957	0.003	38.3677	-41.7064	-0.0002	39.33	41.5783
0.5012	0.0029	38.3677	-41.8719	-0.0003	39.682	42.0708
0.5064	0.003	38.478	-40.7131	-0.0002	40.1221	42.4894
0.5113	0.0031	38.6988	-40.4371	-0.0002	40.4223	42.7947
0.5159	0.0031	38.6988	-39.1127	-0.0002	40.4948	42.9622
0.5204	0.0032	39.6921	-37.733	-0.0002	40.6294	43.1149
0.5238	0.0033	40.244	-38.7816	-0.0001	40.8002	43.174
0.5276	0.0034	39.9129	-38.5056	0	40.8934	43.2183
0.5307	0.0035	39.8577	-38.5608	-0.0001	40.9504	43.3168
0.534	0.0034	39.7473	-38.3401	0	41.3283	43.6665
0.5375	0.0035	39.5818	-38.5056	0.0001	41.5716	43.9521
0.54	0.0036	39.7473	-38.8919	0.0002	41.8667	44.2033
0.5423	0.0037	39.1955	-38.5608	0.0002	42.1618	44.4052
0.5441	0.0037	39.5818	-39.223	0.0002	42.3378	44.5874
0.5458	0.0039	39.0851	-38.9471	0.0003	42.5966	44.6908
0.548	0.0039	38.9195	-38.5056	0.0003	42.726	44.9765
0.5505	0.0041	39.0851	-40.2716	0.0005	43.0315	45.1439
0.5527	0.0041	39.0299	-39.499	0.0005	43.1454	45.2818
0.5542	0.0042	39.0299	-40.4923	0.0005	43.2541	45.3655
0.5559	0.0044	39.0851	-38.8368	0.0006	43.1868	45.4099
0.558	0.0045	39.4162	-38.7264	0.0008	42.959	45.3557
0.5601	0.0047	38.8092	-38.1745	0.0009	43.0315	45.3261
0.5611	0.0046	39.0851	-39.6093	0.0009	43.1712	45.3557
0.5619	0.0049	39.2506	-38.6712	0.001	43.2437	45.3458
0.5631	0.005	39.6921	-38.1745	0.0011	43.1557	45.3902
0.5634	0.0051	39.4714	-38.1193	0.0011	43.1298	45.4246
0.5647	0.0052	40.0232	-38.0642	0.0013	43.0108	45.3754
0.5651	0.0053	39.4162	-38.9471	0.0013	43.0625	45.3803

0.565	0.0054	39.3058	-38.2849	0.0014	43.0366	45.3015
0.5652	0.0055	39.6369	-37.4019	0.0016	42.99	45.3458
0.565	0.0055	39.0851	-39.499	0.0016	42.9435	45.3606
0.564	0.0057	38.6988	-39.1127	0.0017	43.047	45.4049
0.5636	0.0059	38.8092	-38.3953	0.0018	42.9952	45.3951
0.5626	0.006	38.9195	-39.3334	0.002	42.9538	45.3311
0.562	0.006	38.6436	-38.1193	0.002	42.8865	45.272
0.5608	0.0061	39.0299	-38.5056	0.0022	42.959	45.336
0.5594	0.0064	39.3058	-38.9471	0.0022	43.0159	45.336
0.5576	0.0064	39.1955	-38.1745	0.0023	42.9383	45.3754
0.556	0.0065	39.6369	-38.009	0.0025	42.9279	45.3114
0.5543	0.0066	39.6369	-38.2849	0.0026	42.8969	45.3261
0.5528	0.0067	39.3058	-38.616	0.0027	42.959	45.2966
0.551	0.0068	40.2992	-38.0642	0.0029	42.871	45.1833
0.548	0.007	39.8577	-38.8919	0.003	42.8037	45.2129
0.5463	0.0071	39.8577	-38.2849	0.0032	42.8554	45.1932
0.5445	0.0073	39.6369	-38.2849	0.0032	43.0625	45.4394
0.5423	0.0073	39.1955	-38.1745	0.0034	43.2334	45.6118
0.5395	0.0074	39.1403	-37.6779	0.0036	43.4042	45.7743
0.537	0.0076	38.8643	-38.009	0.0036	43.6889	45.9516
0.5336	0.0077	39.1955	-38.8367	0.0038	43.7614	46.1486
0.5302	0.0079	39.0851	-37.6779	0.0039	43.9426	46.2865
0.5267	0.008	39.4714	-37.8986	0.004	43.984	46.385
0.5244	0.0081	39.361	-39.4438	0.0042	44.1859	46.4983
0.521	0.0083	39.0299	-38.1193	0.0043	44.248	46.5229
0.5178	0.0086	38.8643	-38.2297	0.0045	44.2791	46.4589
0.5141	0.0087	39.361	-39.8301	0.0048	44.2221	46.3308
0.5106	0.0089	39.3058	-38.616	0.0049	44.1393	46.3407
0.5071	0.009	39.4162	-37.733	0.0051	43.9581	46.2865
0.503	0.0091	39.1955	-37.6779	0.0052	43.839	46.2914
0.499	0.0093	39.2506	-37.4571	0.0054	43.8494	46.2964
0.496	0.0095	39.5817	-37.2364	0.0055	43.896	46.252
0.4923	0.0097	39.4714	-37.0156	0.0057	43.8701	46.1929
0.4883	0.0099	39.5266	-36.7949	0.0059	43.8339	46.1141
0.4848	0.0101	39.5266	-37.1812	0.0061	43.6993	46.0698
0.4806	0.0102	39.5818	-37.4571	0.0064	43.5957	45.9418
0.4759	0.0105	39.4714	-38.1193	0.0066	43.5388	46.0206
0.4713	0.0104	38.9195	-38.2297	0.0067	43.4456	45.9319

0.4663	0.0107	38.6436	-38.4505	0.0069	43.3783	45.8827
0.4612	0.011	38.3125	-38.1193	0.0071	43.311	45.8728
0.4552	0.0112	37.871	-38.9471	0.0074	43.3576	45.9122
0.4496	0.0114	37.7054	-39.0023	0.0075	43.2385	45.858
0.4435	0.0115	37.3743	-39.6645	0.0077	43.3524	45.8679
0.4378	0.0117	37.264	-40.2164	0.0079	43.3938	45.8285
0.4313	0.0119	36.8225	-41.0442	0.0081	43.3628	45.8039
0.4254	0.0121	36.8225	-41.9823	0.0082	43.4249	45.7152
0.4187	0.0123	36.4362	-41.9271	0.0084	43.3576	45.7054
0.4116	0.0126	37.2088	-41.6512	0.0087	43.2851	45.7448
0.4042	0.013	37.5399	-42.5894	0.0091	43.3887	45.9368
0.3955	0.0132	38.5884	-48.2735	0.0092	43.2696	45.8236
0.3963	0.0136	40.5751	-64.8843	0.0094	43.223	45.6118
0.3994	0.0137	39.8025	-64.9395	0.0097	43.135	45.5281
0.4022	0.014	38.3125	-64.6635	0.0101	43.0729	45.5773
0.4046	0.0142	37.4847	-65.3258	0.0103	43.1919	45.7152
0.4075	0.0144	37.3191	-66.5398	0.0104	43.399	45.9812
0.4099	0.0147	37.5399	-67.2572	0.0107	43.6579	46.1191
0.4134	0.0149	37.4295	-69.6302	0.011	43.8598	46.2323
0.4178	0.0149	37.5951	-71.2306	0.0111	43.9995	46.2964
0.4215	0.0153	37.4295	-73.1621	0.0115	44.2118	46.4244
0.4253	0.0156	37.6503	-75.4799	0.012	44.3101	46.5278
0.4296	0.0158	37.6503	-76.1973	0.0123	44.336	46.6756
0.4344	0.0162	37.6503	-77.3562	0.0124	44.4447	46.6805
0.4382	0.0166	37.9262	-78.0184	0.0129	44.4551	46.6509
0.4414	0.017	38.3125	-78.9014	0.0131	44.424	46.6263
0.4438	0.0172	37.8158	-78.2943	0.0132	44.4551	46.6559
0.4459	0.0178	37.7054	-79.3429	0.0138	44.336	46.5623
0.4491	0.0179	37.7606	-79.8395	0.0139	44.2325	46.5426
0.4522	0.0184	37.9814	-79.2877	0.0144	44.2377	46.4835
0.4543	0.0188	38.2021	-80.0051	0.0149	44.1807	46.3555
0.4564	0.0193	38.3125	-78.3495	0.0154	44.1134	46.2964
0.4582	0.0199	38.754	-74.6521	0.0159	43.8598	46.2323
0.4586	0.0203	38.8643	-74.7073	0.0164	43.8701	46.1585
0.4593	0.0207	38.8092	-74.9832	0.0168	43.7459	46.1141
0.4597	0.0212	38.6988	-79.7292	0.017	43.6061	46.0304
0.4557	0.0218	38.8643	-105.28	0.0178	43.5802	45.9615
0.4449	0.0224	39.0299	-190.6519	0.0181	43.5284	45.7645

0.2138	0.0097	-16.579	-22.1064	0.0089	29.6483	26.0469
0.4539	0.0016	29.9891	-103.6133	-0.0003	20.562	25.4
0.4211	0.0019	33.6181	-34.1043	0.0001	21.9879	26.0107
0.4405	0.0021	40.9877	-33.8252	-0.0001	22.6488	26.3899
0.4583	0.0021	42.6068	-34.0485	-0.0002	24.1372	26.7839
0.4749	0.0022	42.1043	-34.7185	-0.0001	27.4002	27.5817
0.491	0.0022	42.0485	-34.9976	-0.0001	30.6683	30.3446
0.5063	0.0021	40.0944	-35.2768	-0.0002	34.6494	34.1909
0.5202	0.0022	40.2061	-35.5559	-0.0001	38.0009	37.4069
0.5329	0.0022	39.5919	-36.2259	-0.0001	40.3323	39.7511
0.5436	0.0023	39.6478	-36.1142	0	41.8571	41.3271
0.554	0.0023	38.5311	-36.5609	-0.0001	43.054	42.4697
0.5649	0.0024	38.3078	-36.1701	-0.0001	43.8034	43.238
0.5747	0.0024	37.6379	-36.0584	0.0001	44.3811	43.7994
0.584	0.0026	37.582	-35.7234	0.0001	45.0004	44.4544
0.5934	0.0026	37.4145	-35.8909	0	45.4583	44.942
0.6017	0.0026	37.4145	-35.6676	-0.0001	45.8122	45.3015
0.6091	0.0026	37.7495	-36.2259	0	46.2754	45.7054
0.6168	0.0026	38.0287	-35.7793	0	46.5668	46.0895
0.6233	0.0027	37.5262	-36.0584	0.0001	46.7906	46.2964
0.6303	0.0027	37.6379	-36.0026	0.0002	47.0143	46.5672
0.6362	0.0028	37.7495	-35.8909	0.0002	47.134	46.7199
0.6423	0.0028	38.0845	-35.9468	0.0001	47.2693	46.8184
0.6479	0.0029	38.0845	-35.8909	0.0002	47.3682	46.8923
0.6525	0.003	38.3078	-36.0584	0.0003	47.3734	46.9661
0.6575	0.003	38.5312	-36.0026	0.0003	47.4515	47.0499
0.6616	0.0031	38.5312	-36.0584	0.0005	47.5556	47.0252
0.6659	0.0032	38.7545	-36.0026	0.0005	47.5764	47.0646
0.6706	0.0033	38.922	-36.2259	0.0006	47.5087	47.0893
0.6737	0.0034	38.7545	-35.5001	0.0006	47.5452	47.1139
0.6767	0.0035	38.8661	-35.0535	0.0008	47.592	47.2075
0.6799	0.0035	38.8661	-34.9976	0.0007	47.6284	47.2222
0.6836	0.0037	39.0895	-34.7743	0.0009	47.6649	47.2222
0.687	0.0037	39.0895	-35.1651	0.001	47.7221	47.2764
0.6899	0.0038	39.3128	-34.7743	0.0009	47.8002	47.3158
0.6929	0.0039	39.5361	-34.2718	0.001	47.8106	47.3601
0.6951	0.004	39.7594	-34.4952	0.0012	47.8314	47.3257

0.6978	0.004	39.4803	-34.4952	0.0013	47.8054	47.3601
0.7002	0.0041	39.1453	-34.6068	0.0014	47.7741	47.3848
0.7025	0.0041	39.0895	-34.551	0.0014	47.7793	47.3355
0.7039	0.0042	38.9778	-34.9418	0.0016	47.9147	47.4143
0.7057	0.0043	38.587	-35.3326	0.0017	47.9147	47.3552
0.707	0.0044	38.6428	-35.3326	0.0018	47.8678	47.3749
0.708	0.0046	38.922	-35.0535	0.002	47.899	47.3503
0.71	0.0047	38.587	-35.2768	0.0021	47.9251	47.4192
0.7112	0.0049	38.587	-34.7743	0.0022	47.8574	47.4045
0.7128	0.0049	38.1403	-34.886	0.0021	47.9355	47.4833
0.7127	0.005	38.1962	-35.1093	0.0024	48.0708	47.5571
0.7134	0.0051	37.7495	-35.3326	0.0023	48.1384	47.6556
0.7138	0.0053	37.5262	-35.0535	0.0026	48.1801	47.6753
0.7149	0.0053	37.6379	-35.5001	0.0026	48.1124	47.6753
0.7143	0.0054	36.9121	-35.5001	0.0026	48.1957	47.6409
0.7153	0.0055	37.1912	-35.7793	0.0026	48.2165	47.7197
0.7162	0.0056	36.7446	-36.1142	0.0027	48.2165	47.7935
0.7174	0.0057	36.9121	-35.8909	0.0029	48.2737	47.7147
0.7176	0.0058	36.5212	-36.0026	0.0031	48.2946	47.7443
0.7173	0.0057	36.4654	-36.6726	0.0032	48.305	47.7738
0.7172	0.006	36.5212	-36.3934	0.0033	48.2894	47.7246
0.7179	0.0061	36.7446	-36.2817	0.0035	48.3206	47.7689
0.7178	0.0063	36.4654	-36.1142	0.0037	48.1644	47.6212
0.7168	0.0063	36.3538	-36.84	0.0035	48.1228	47.5719
0.7169	0.0065	36.1304	-36.5609	0.0035	48.2061	47.631
0.7165	0.0066	35.8513	-36.6167	0.0037	48.1905	47.6704
0.7155	0.0068	35.9071	-36.2817	0.0037	48.2581	47.7197
0.7152	0.0069	37.8054	-36.3934	0.0039	48.2321	47.7246
0.714	0.007	38.8661	-36.6167	0.0039	48.331	47.7837
0.7129	0.0072	38.587	-36.3376	0.0042	48.3778	47.9019
0.7118	0.0072	39.3128	-37.0634	0.0042	48.3414	47.7935
0.7123	0.0075	40.0944	-71.5666	0.0046	48.0708	47.5867
0.7161	0.0077	40.0944	-79.4387	0.0046	47.9875	47.5424
0.7186	0.0079	40.3736	-80.3878	0.0048	48.0968	47.5571
0.7211	0.008	40.4294	-82.2861	0.0049	48.0343	47.5424
0.7244	0.0081	40.0386	-84.7426	0.0051	48.076	47.5818
0.7272	0.0082	40.7085	-86.1942	0.0053	48.0396	47.5177
0.7286	0.0084	40.4294	-88.0366	0.0055	47.9303	47.4143

0.7314	0.0088	40.541	-88.4274	0.0056	47.9719	47.3946
0.7326	0.009	40.3736	-88.5391	0.006	47.9823	47.4192
0.7338	0.0091	40.8202	-91.219	0.006	48.0135	47.4488
0.7354	0.0093	40.4852	-92.2239	0.0061	48.0135	47.4537
0.7377	0.0093	40.5969	-94.6246	0.0061	47.9927	47.4242
0.7393	0.0095	40.6527	-96.6904	0.0061	47.9927	47.503
0.7416	0.0097	40.7085	-96.5229	0.0063	48.0812	47.5325
0.7437	0.0098	40.9319	-98.6444	0.0065	48.1228	47.5522
0.7463	0.01	41.0435	-97.0812	0.0066	48.2009	47.631
0.7492	0.0101	41.211	-96.0762	0.0069	48.2165	47.6901
0.7516	0.0103	41.2668	-97.3603	0.007	48.3362	47.7738
0.7536	0.0105	41.4902	-98.5328	0.0073	48.2998	47.764
0.7559	0.0107	41.9926	-97.3603	0.0075	48.3674	47.8329
0.7592	0.0109	42.1601	-97.8628	0.0078	48.4351	47.8674
0.7612	0.0112	42.0485	-99.0911	0.0079	48.3882	47.8871
0.7646	0.0114	42.1043	-98.2536	0.0081	48.409	47.8428
0.7668	0.0116	42.0485	-98.1978	0.008	48.3362	47.8428
0.7691	0.0119	42.1601	-99.1469	0.0085	48.4403	47.9511
0.7703	0.0121	42.3834	-99.0911	0.0086	48.4194	47.8674
0.7717	0.0124	42.0485	-100.9893	0.0088	48.3362	47.7788
0.7721	0.0127	42.1601	-100.1518	0.0091	48.331	47.7591
0.7735	0.0129	42.1043	-101.6034	0.0094	48.3986	47.8083
0.7757	0.013	41.6018	-100.1518	0.0097	48.383	47.8477
0.7773	0.0134	41.2668	-102.2734	0.0099	48.3986	47.828
0.7789	0.0136	41.7135	-101.5476	0.0102	48.3414	47.8575
0.7799	0.0138	41.3785	-101.8826	0.0107	48.2789	47.8034
0.7811	0.0141	41.9368	-99.091	0.0108	48.3154	47.8723
0.7818	0.0145	41.9368	-99.761	0.0111	48.2893	47.8378
0.784	0.0146	41.8251	-100.4868	0.0115	48.2737	47.8625
0.7847	0.0151	42.216	-103.5017	0.0116	48.2113	47.7837
0.7854	0.0153	41.881	-104.1716	0.0119	48.305	47.7443
0.7866	0.0157	42.216	-104.2833	0.0124	48.3154	47.7147
0.7872	0.0161	42.8301	-105.0091	0.0127	48.2841	47.7394
0.788	0.0164	42.8301	-103.9483	0.0129	48.2894	47.6803
0.7887	0.0168	41.8251	-105.3999	0.0133	48.1697	47.6655
0.7857	0.0173	45.6216	-141.5781	0.0137	47.9303	47.3503

0.2266	0.0123	0.3542	-3.7158	0.0083	22.2574	22.1552
0.4672	0.002	44.6725	-107.2981	-0.0003	16.0188	24.0407
0.4296	0.0025	48.134	-34.3277	-0.0002	17.5905	24.4839
0.447	0.0029	47.6874	-33.7135	0.0001	18.6105	24.7449
0.4639	0.0028	48.0223	-33.4344	0.0002	20.9627	25.1045
0.4798	0.0027	48.469	-33.7694	0	25.0427	25.7447
0.4949	0.0027	49.6973	-33.7135	-0.0001	28.4878	28.2958
0.5083	0.0028	50.9814	-33.4344	0	32.1879	31.7432
0.5211	0.0029	50.1997	-33.1552	-0.0001	35.5341	35.0626
0.5324	0.003	50.9255	-32.9877	0.0001	37.9332	37.3527
0.5423	0.0029	50.758	-33.546	0.0001	39.5205	39.0124
0.5516	0.0031	50.1439	-33.9369	0	40.7434	40.2486
0.5602	0.0031	49.9764	-33.6577	0.0001	41.6437	41.0365
0.569	0.0031	50.8139	-33.546	0.0001	42.3515	41.7753
0.5774	0.0031	50.5347	-33.7694	0.0001	42.7574	42.2875
0.585	0.0032	50.6464	-33.9369	0.0002	43.1685	42.8391
0.5929	0.0032	50.7022	-33.4902	0.0002	43.4287	43.0656
0.6001	0.0033	50.758	-33.8252	0.0003	43.4912	43.1493
0.6061	0.0034	50.6464	-33.8252	0.0003	43.741	43.3069
0.612	0.0034	51.2047	-33.7135	0.0004	43.767	43.4547
0.6178	0.0035	50.9255	-33.4344	0.0004	43.8659	43.5138
0.6226	0.0036	50.8697	-33.0436	0.0006	43.9648	43.6271
0.6277	0.0037	51.1488	-32.5411	0.0006	43.9595	43.5483
0.6315	0.0038	51.093	-32.3736	0.0007	44.0116	43.6074
0.6356	0.0039	51.428	-32.2061	0.0007	44.2198	43.8142
0.6397	0.0039	50.758	-32.4853	0.0008	44.4071	44.09
0.6439	0.004	51.428	-32.5411	0.0008	44.6257	44.4003
0.6472	0.004	51.2047	-32.7644	0.0009	44.6829	44.548
0.6505	0.0042	51.3722	-32.4294	0.001	44.7506	44.5037
0.6534	0.0043	51.2047	-32.2061	0.001	44.9379	44.681
0.6559	0.0045	51.5955	-31.9828	0.0011	45.0784	44.7499
0.6585	0.0045	51.5397	-32.5969	0.0013	45.1201	44.8189
0.6612	0.0046	51.3163	-32.6528	0.0014	45.1721	44.9026
0.6635	0.0046	51.5397	-32.4294	0.0014	45.1825	44.942
0.6653	0.0047	51.428	-32.1503	0.0015	45.245	45.0602
0.6665	0.0048	51.1488	-31.9828	0.0016	45.3647	45.1292

0.6677	0.005	51.1488	-32.0386	0.0017	45.4115	45.2326
0.6696	0.0051	50.8697	-31.927	0.0018	45.6197	45.2966
0.6711	0.0052	51.3163	-32.2061	0.002	45.578	45.3754
0.6735	0.0052	51.093	-31.8711	0.002	45.6144	45.4591
0.6743	0.0053	51.2047	-32.1503	0.002	45.6717	45.4887
0.6753	0.0054	50.8139	-31.8711	0.0023	45.7289	45.5281
0.6762	0.0056	50.758	-32.0386	0.0022	45.7654	45.5724
0.6763	0.0057	50.9255	-31.9828	0.0024	45.7029	45.5822
0.6771	0.0058	50.6464	-32.2619	0.0026	45.8642	45.6069
0.677	0.0061	50.9814	-32.1503	0.0027	45.8851	45.6364
0.6774	0.0061	51.1488	-31.927	0.003	45.8382	45.5872
0.6777	0.0063	51.1488	-31.8153	0.003	45.8694	45.5724
0.6768	0.0064	50.5347	-31.8153	0.003	45.8694	45.6413
0.6771	0.0065	50.2556	-31.8153	0.0031	45.9735	45.7251
0.6769	0.0065	50.1439	-31.8153	0.0032	46.01	45.8088
0.6762	0.0066	50.0322	-31.8153	0.0035	46.1453	45.8925
0.6751	0.0068	49.9206	-32.3736	0.0036	46.1973	45.9024
0.674	0.0069	50.1439	-32.4294	0.0037	46.2025	45.9122
0.6729	0.0069	49.6972	-32.1503	0.0038	46.265	45.9959
0.6722	0.007	49.8089	-32.6528	0.0039	46.2129	46.1388
0.6702	0.0072	49.3623	-32.9877	0.004	46.2858	46.1979
0.6688	0.0073	49.2506	-32.9877	0.0042	46.3794	46.1683
0.6671	0.0076	48.9715	-33.0994	0.0045	46.4887	46.3161
0.6655	0.0078	49.1948	-33.7694	0.0045	46.4263	46.1732
0.6635	0.0079	49.0273	-34.216	0.0047	46.5616	46.2964
0.6617	0.008	49.0831	-34.1043	0.0048	46.6032	46.2471
0.6601	0.0081	49.0273	-34.4393	0.0049	46.6188	46.2422
0.658	0.0082	48.9715	-34.3835	0.0051	46.6865	46.2964
0.6558	0.0083	48.7481	-34.551	0.0052	46.5928	46.2175
0.6529	0.0085	49.0831	-34.886	0.0053	46.3066	45.9418
0.6514	0.0087	49.1948	-33.9927	0.0056	46.2858	45.927
0.6487	0.0088	49.4739	-34.216	0.0057	46.2129	45.8777
0.6455	0.009	49.3064	-34.6627	0.0058	46.1765	45.858
0.6435	0.0091	49.6972	-35.1093	0.006	46.0776	45.7792
0.64	0.0093	50.3114	-34.886	0.006	46.036	45.7497
0.6373	0.0096	50.758	-34.6626	0.0063	46.0308	45.7792
0.6342	0.0098	51.763	-34.9418	0.0065	46.0464	45.794
0.631	0.0101	53.1029	-48.7878	0.0067	46.0256	45.7349

0.6324	0.0102	53.3262	-76.2005	0.007	45.9683	45.6906
0.6335	0.0104	52.8238	-75.4748	0.0072	45.9215	45.73
0.6346	0.0106	52.6563	-74.6373	0.0074	46.0776	45.9713
0.6348	0.0108	52.5446	-71.9574	0.0074	46.2754	46.0747
0.6347	0.011	52.8238	-75.0839	0.0075	46.2702	46.0156
0.636	0.0112	52.8796	-76.0331	0.0077	46.4471	46.1191
0.6371	0.0112	53.4379	-76.4797	0.008	46.5043	46.252
0.6384	0.0115	52.9913	-74.749	0.0081	46.546	46.2816
0.6389	0.0117	53.4937	-75.1398	0.0084	46.5824	46.2471
0.6406	0.0119	53.717	-75.5864	0.0084	46.6397	46.3161
0.6411	0.012	53.4937	-76.4239	0.0086	46.7021	46.2964
0.643	0.0122	53.6612	-78.3779	0.0091	46.6969	46.3604
0.6437	0.0124	53.5496	-79.997	0.0091	46.5616	46.2274
0.6453	0.0126	53.4379	-79.7737	0.0093	46.5148	46.1929
0.6453	0.0128	53.3262	-79.2712	0.0095	46.5304	46.1634
0.6452	0.0131	53.4937	-79.4945	0.0098	46.5408	46.252
0.6447	0.0133	53.4379	-78.9362	0.01	46.5043	46.1929
0.6451	0.0135	53.3821	-80.1087	0.0103	46.5304	46.2077
0.6464	0.0136	53.717	-80.9461	0.0104	46.5512	46.2225
0.647	0.014	53.8287	-82.7886	0.0108	46.6032	46.2373
0.648	0.0142	53.6612	-83.0119	0.011	46.4679	46.1831
0.649	0.0145	53.4937	-84.1285	0.0112	46.4991	46.252
0.6494	0.0149	53.9962	-84.9659	0.0116	46.5304	46.2668
0.6499	0.015	53.9962	-84.7984	0.0117	46.5356	46.2767
0.6508	0.0154	54.2753	-85.1893	0.0118	46.546	46.3358
0.6523	0.0157	54.1637	-88.0366	0.0123	46.5928	46.3505
0.6526	0.0161	54.1637	-89.5999	0.0125	46.5408	46.2964
0.6536	0.0164	54.387	-90.549	0.0128	46.5304	46.2225
0.6536	0.0168	54.5545	-89.6557	0.0131	46.5096	46.2028
0.6531	0.0172	54.722	-90.3815	0.0135	46.52	46.252
0.6525	0.0174	54.5545	-90.8281	0.0139	46.572	46.2816
0.6521	0.0177	54.052	-92.838	0.014	46.5043	46.2323
0.6522	0.0179	54.3312	-92.6706	0.0143	46.5356	46.252
0.6527	0.0181	54.387	-92.9497	0.0146	46.5408	46.2717
0.6528	0.0185	54.2753	-95.2946	0.015	46.5772	46.3308
0.6535	0.0188	54.387	-96.0204	0.0153	46.6188	46.3358
0.6514	0.0193	54.5545	-122.8749	0.0157	46.4731	46.2028
0.2165	0.0107	0.304	-3.9168	0.0079	25.4985	24.0612

0.4604	0.0025	75.2676	-116.8452	-0.0003	16.5965	25.2325
0.4257	0.0029	84.1447	-35.3884	-0.0001	18.4179	25.6905
0.4459	0.0029	84.5355	-35.7234	-0.0001	19.542	26.0599
0.4659	0.0029	84.7588	-35.7793	-0.0002	21.915	26.3702
0.4852	0.0029	85.4846	-36.0584	-0.0003	26.3593	27.1286
0.5037	0.003	85.1496	-35.8351	-0.0002	29.6795	29.5763
0.5204	0.003	84.5355	-35.6676	-0.0001	33.1767	33.0237
0.534	0.0031	82.5256	-36.4492	-0.0002	36.2679	36.1313
0.5467	0.0031	81.1857	-36.5051	-0.0001	38.6878	38.5248
0.5585	0.0033	80.2924	-36.0584	-0.0002	40.3427	40.1008
0.5689	0.0034	79.3991	-36.1701	0	41.5396	41.3665
0.58	0.0035	79.9016	-36.2817	-0.0001	42.4191	42.2776
0.5896	0.0036	79.3433	-36.6726	0	43.028	42.8883
0.5997	0.0036	79.1199	-37.0075	0.0001	43.5276	43.4054
0.6089	0.0037	78.7849	-37.51	0.0002	44.0168	43.8142
0.6151	0.0039	78.7849	-37.51	0.0003	44.3394	44.1934
0.6227	0.0041	79.5666	-36.9517	0.0003	44.7141	44.5382
0.631	0.0042	79.1199	-38.1241	0.0004	44.9848	44.7992
0.637	0.0043	80.0132	-37.0634	0.0003	45.1045	44.9371
0.6432	0.0044	79.1199	-36.9517	0.0004	45.349	45.1932
0.6494	0.0044	79.3991	-36.3934	0.0005	45.5	45.3557
0.6557	0.0045	78.5058	-36.2817	0.0004	45.6249	45.4936
0.6608	0.0046	78.5058	-36.0584	0.0007	45.8278	45.6315
0.665	0.0047	78.8966	-36.7284	0.0008	45.9787	45.7595
0.6697	0.0049	79.5107	-36.6167	0.0007	46.0204	45.8679
0.6745	0.0049	79.9574	-36.5051	0.0009	46.0672	45.9368
0.6788	0.0049	77.11	-37.7333	0.001	46.4003	46.1043
0.6835	0.0049	75.3793	-37.7892	0.001	46.5252	46.2225
0.6866	0.005	75.6584	-37.2309	0.0011	46.6188	46.3505
0.6907	0.0051	75.8259	-37.7892	0.0014	46.6553	46.3308
0.6941	0.0052	75.9934	-38.18	0.0015	46.7281	46.385
0.6964	0.0054	75.1001	-38.2916	0.0016	46.7593	46.4983
0.6996	0.0055	74.151	-38.0125	0.0016	46.8946	46.6214
0.7027	0.0056	74.3743	-37.51	0.0017	46.9363	46.6362
0.7049	0.0059	73.5927	-38.18	0.002	46.9987	46.715
0.708	0.0059	73.8719	-36.8959	0.0021	47.0143	46.7051
0.7098	0.0061	73.7602	-37.4542	0.0024	47.082	46.7888
0.7114	0.0063	73.9277	-37.2309	0.0022	47.1653	46.8036

0.7139	0.0063	73.4252	-38.2916	0.0024	47.2225	46.9366
0.7164	0.0065	73.7044	-38.5708	0.0025	47.2225	46.9267
0.7185	0.0065	73.2019	-39.5199	0.0027	47.311	47.0203
0.7197	0.0066	73.481	-39.3524	0.0027	47.3162	47.0449
0.7209	0.0067	73.2019	-40.469	0.0028	47.363	47.0745
0.7222	0.0066	73.7602	-42.0323	0.0028	47.4047	47.1237
0.7234	0.0069	74.2069	-40.7482	0.0032	47.3266	47.0499
0.7238	0.0072	73.6485	-39.8549	0.0033	47.4255	47.0302
0.7235	0.0074	73.3694	-41.474	0.0036	47.4203	47.0646
0.7246	0.0075	72.9786	-41.139	0.0036	47.4879	47.1434
0.726	0.0075	72.4203	-40.7482	0.0037	47.566	47.2124
0.7258	0.0075	72.0853	-41.3623	0.0037	47.6128	47.2321
0.7254	0.0077	72.1969	-41.2507	0.004	47.6076	47.2715
0.7241	0.008	72.1411	-42.3673	0.0042	47.6388	47.2813
0.7229	0.0081	72.6994	-41.1948	0.0042	47.6753	47.3158
0.722	0.0081	72.8111	-41.8648	0.0041	47.7221	47.4094
0.7193	0.0082	72.5878	-42.0323	0.0042	47.7377	47.4389
0.7168	0.0083	72.3644	-41.5856	0.0045	47.7741	47.503
0.7144	0.0085	72.8111	-40.7482	0.0047	47.9511	47.6852
0.7121	0.0083	73.2577	-40.9715	0.0046	48.0968	47.8034
0.7066	0.0088	72.9228	-56.604	0.0051	48.0239	47.7147
0.6997	0.0089	73.0344	-71.1758	0.0048	47.9563	47.6901
0.6914	0.0091	72.9227	-75.1398	0.005	48.0448	47.7
0.6844	0.0094	72.7553	-72.1249	0.0052	48.2269	47.8034
0.6773	0.0096	72.6436	-75.7539	0.0051	48.3414	47.8772
0.6692	0.0098	72.6436	-74.3023	0.0053	48.2893	47.8477
0.6659	0.01	72.4761	-76.2006	0.0056	48.2581	47.8871
0.6675	0.0099	72.197	-86.1384	0.005	48.305	47.8674
0.6701	0.0099	72.1411	-89.9349	0.0046	48.383	47.9905
0.6736	0.0101	72.8111	-91.4981	0.0047	48.4819	48.0841
0.6759	0.0102	72.4761	-87.0875	0.0048	48.5183	48.1481
0.6777	0.0102	72.4761	-89.5999	0.0045	48.4403	48.0841
0.68	0.0103	72.5878	-88.7624	0.0049	48.4403	48.089
0.6828	0.0104	73.2019	-90.9398	0.005	48.4194	48.0693
0.6846	0.0106	73.3694	-92.9497	0.0053	48.5131	48.153
0.6874	0.0106	73.7044	-92.3914	0.0053	48.5808	48.1974
0.6889	0.0108	73.481	-92.1123	0.0056	48.6953	48.2466
0.6909	0.0112	74.3185	-92.3356	0.0057	48.7109	48.2959

0.6919	0.0114	74.2068	-91.7214	0.0058	48.7525	48.4091
0.6935	0.0115	73.8719	-93.5638	0.0061	48.815	48.5076
0.6934	0.0119	74.7093	-93.0055	0.0062	48.9034	48.5421
0.6943	0.0122	73.7602	-94.0663	0.0064	48.8878	48.5076
0.6953	0.0124	73.481	-91.4423	0.0066	48.893	48.5864
0.6972	0.0125	73.9277	-92.6706	0.0068	48.9138	48.5569
0.6997	0.0128	73.4252	-91.4981	0.0068	48.9451	48.6258
0.701	0.0127	73.6485	-91.3864	0.007	49.0387	48.6308
0.7033	0.0128	73.5369	-91.4423	0.0073	49.0543	48.68
0.7047	0.013	74.0952	-93.3405	0.0074	49.0752	48.6702
0.7069	0.0132	74.0394	-93.5638	0.0076	48.9711	48.6209
0.7089	0.0135	74.0952	-92.6705	0.008	48.9086	48.5618
0.7109	0.0137	74.3743	-93.6755	0.008	48.8098	48.4387
0.712	0.0138	74.3185	-91.8331	0.0083	48.8306	48.4781
0.7132	0.0144	74.486	-91.6656	0.0085	48.8826	48.4879
0.7138	0.0146	74.5977	-93.7872	0.0086	48.8254	48.4485
0.7145	0.0148	74.2627	-93.508	0.0089	48.7265	48.4042
0.7156	0.015	74.3185	-93.0055	0.0093	48.7889	48.3993
0.7163	0.0154	74.486	-92.2797	0.0096	48.7421	48.3796
0.7164	0.0158	74.3744	-94.4571	0.0097	48.7369	48.3993
0.7177	0.0159	74.3185	-94.513	0.0101	48.8046	48.4338
0.7185	0.0161	74.0952	-94.9038	0.0102	48.8306	48.4682
0.7195	0.0163	74.486	-94.3455	0.0103	48.8566	48.4879
0.7208	0.0168	74.486	-95.3504	0.0108	48.7889	48.4682
0.7216	0.0171	74.0952	-95.9087	0.011	48.8202	48.5027
0.7225	0.0172	74.3185	-96.7462	0.0114	48.7785	48.4387
0.7235	0.0176	73.9835	-96.8578	0.0117	48.7213	48.3648
0.7249	0.018	74.4302	-95.9646	0.012	48.6953	48.3993
0.7255	0.0183	74.7652	-95.8529	0.0123	48.7785	48.4239
0.7266	0.0187	74.7093	-100.8218	0.0123	48.7265	48.4091
0.7251	0.0194	74.821	-141.1314	0.0126	48.6068	48.222

0.217	0.0076	-15.869	-20.9843	0.0068	24.1917	23.4229
0.4831	0.002	73.6312	-100.6996	-0.0004	14.5795	22.6666
0.4238	0.0024	80.1982	-36.1327	-0.0003	17.2197	22.7898
0.4314	0.0025	79.8119	-36.519	-0.0004	17.6079	23.1591
0.4384	0.0024	79.9775	-36.8501	-0.0005	18.6381	23.4842
0.4454	0.0024	79.5912	-36.7949	-0.0005	22.1118	24.3756

0.4523	0.0024	79.6464	-36.6845	-0.0006	26.4448	27.0301
0.4589	0.0024	79.0393	-37.0156	-0.0005	30.519	31.0636
0.4647	0.0024	77.7701	-37.8986	-0.0003	34.5725	35.1217
0.4694	0.0024	76.7767	-37.5123	-0.0004	37.4353	38.0668
0.4728	0.0025	75.7834	-39.499	-0.0003	39.3714	40.022
0.4769	0.0023	74.6245	-39.7197	-0.0005	40.6501	41.2926
0.4807	0.0024	73.7415	-39.223	-0.0004	41.5768	42.2284
0.4835	0.0024	72.1412	-40.5475	-0.0004	42.2705	42.9031
0.4861	0.0024	71.8652	-39.9956	-0.0003	42.9331	43.5827
0.4884	0.0025	72.7482	-40.5475	-0.0004	43.4456	44.026
0.4899	0.0024	72.4171	-40.989	-0.0004	43.7303	44.351
0.4914	0.0024	71.9756	-39.7749	-0.0004	44.0099	44.6022
0.4929	0.0025	72.4171	-40.3268	-0.0003	44.2118	44.7844
0.4945	0.0025	71.7549	-39.7197	-0.0003	44.3567	44.9174
0.4957	0.0026	71.6997	-39.0575	-0.0003	44.5793	45.0848
0.4962	0.0026	71.6445	-38.2849	-0.0003	44.6259	45.1981
0.4968	0.0026	71.5893	-38.3401	-0.0003	44.8692	45.3853
0.4981	0.0027	70.9271	-37.7882	-0.0003	45.0142	45.5133
0.4986	0.0027	70.6512	-40.3819	-0.0002	45.0142	45.5576
0.4985	0.0027	70.0993	-41.1545	-0.0002	45.0918	45.6069
0.4982	0.0028	70.1545	-38.5608	-0.0001	45.1126	45.6167
0.4985	0.0028	70.596	-39.4438	-0.0001	45.1333	45.7004
0.4984	0.0029	70.6512	-40.2164	0	45.1902	45.7497
0.498	0.0029	70.8167	-39.6645	0	45.2316	45.7891
0.4972	0.0028	70.32	-38.5056	0	45.2161	45.8186
0.4963	0.003	70.5408	-44.576	0.0001	45.2834	45.7595
0.496	0.0029	70.9823	-41.9271	0.0001	45.2523	45.8186
0.4949	0.003	70.0993	-39.1127	0.0002	45.185	45.7448
0.4936	0.0031	70.0993	-38.009	0.0003	45.1799	45.794
0.4921	0.0031	70.1545	-42.3134	0.0002	45.2161	45.7497
0.4905	0.0032	69.9889	-38.5608	0.0002	45.185	45.8285
0.4894	0.0033	69.8234	-40.2716	0.0004	45.273	45.8039
0.4877	0.0033	69.4923	-42.8653	0.0004	45.3248	45.8728
0.4854	0.0034	69.713	-41.1545	0.0005	45.3869	45.8679
0.4831	0.0035	69.1611	-43.1412	0.0006	45.4283	45.8777
0.481	0.0035	69.3267	-46.2316	0.0006	45.4542	45.9812
0.4787	0.0035	68.9404	-39.1127	0.0006	45.4128	46.0156
0.4749	0.0035	68.8852	-46.8938	0.0006	45.5526	46.0403

0.4711	0.0036	68.3886	-52.6331	0.0009	45.594	46.0501
0.4679	0.0038	68.4989	-44.6864	0.0009	45.5371	46.1191
0.4645	0.0038	68.0574	-44.1346	0.001	45.6975	46.0698
0.4605	0.004	67.8367	-46.066	0.001	45.6509	46.1388
0.4557	0.0042	68.4989	-45.459	0.0009	45.5008	46.1683
0.451	0.0043	68.223	-49.322	0.0011	45.5578	46.124
0.4467	0.0044	68.3334	-45.6797	0.0013	45.6147	46.2668
0.4426	0.0045	68.1126	-44.3001	0.0013	45.651	46.2619
0.4381	0.0046	68.6645	-45.3486	0.0014	45.6302	46.3259
0.4343	0.0047	67.7815	-46.342	0.0015	45.6095	46.3407
0.4302	0.0048	67.8367	-46.066	0.0016	45.5733	46.257
0.4256	0.0049	68.0023	-45.0175	0.0017	45.7493	46.4736
0.4231	0.005	71.9756	-46.2868	0.0018	45.6458	46.3998
0.4283	0.0052	71.6445	-48.7149	0.0019	45.7131	46.3899
0.433	0.0053	72.6378	-50.812	0.0019	45.7338	46.449
0.4368	0.0054	73.0241	-50.812	0.0022	45.7286	46.4786
0.4385	0.0055	73.6312	-51.3638	0.0021	45.7493	46.4244
0.4405	0.0056	73.1897	-49.7083	0.0023	45.7079	46.4589
0.4418	0.0058	72.8034	-50.5913	0.0025	45.7597	46.454
0.4443	0.0059	72.8034	-51.419	0.0026	45.594	46.321
0.4467	0.0061	72.9689	-51.8053	0.0027	45.5992	46.3308
0.449	0.0063	73.2449	-54.0679	0.0029	45.6509	46.4244
0.4516	0.0063	71.8652	-51.8605	0.003	45.6406	46.3949
0.4535	0.0065	70.32	-52.8538	0.0032	45.9046	46.6411
0.4555	0.0066	71.1478	-54.1231	0.0032	45.8787	46.5968
0.4572	0.0066	70.9823	-54.5646	0.0034	45.9771	46.7199
0.4584	0.0069	70.9271	-54.0679	0.0035	46.0444	46.7494
0.46	0.0071	70.9823	-53.7368	0.0037	46.0754	46.7347
0.4618	0.0072	71.3686	-56.2753	0.0038	46.1893	46.8578
0.4634	0.0073	72.086	-56.9928	0.0039	46.2463	46.8381
0.4629	0.0074	72.4723	-55.7235	0.0041	46.2308	46.9317
0.4622	0.0076	72.086	-56.4961	0.0042	46.2877	47.0006
0.4615	0.0079	71.9204	-57.1583	0.0043	46.2049	46.9218
0.4621	0.0079	72.0308	-59.3657	0.0044	46.3447	47.0055
0.4625	0.0081	72.2515	-59.145	0.0046	46.3136	47.0252
0.4637	0.0083	72.086	-61.4076	0.0048	46.443	47.1385
0.4655	0.0086	72.5275	-60.3591	0.0049	46.5465	47.2419
0.466	0.0088	72.6378	-61.242	0.0052	46.5	47.1779

0.4673	0.0089	73.1345	-61.242	0.0053	46.355	46.9612
0.4684	0.0092	72.8034	-61.3524	0.0055	46.3654	46.9809
0.4693	0.0093	73.1345	-61.3524	0.0057	46.5	47.0942
0.4693	0.0095	73.1345	-62.8424	0.0059	46.5362	47.0843
0.4693	0.0099	73.6312	-62.2906	0.0061	46.5051	47.04
0.4703	0.01	73.7967	-62.0698	0.0065	46.5414	47.104
0.4701	0.0103	74.0727	-64.0565	0.0067	46.5207	47.1139
0.469	0.0105	73.3001	-60.8557	0.0069	46.4792	47.0548
0.4679	0.0107	73.9071	-60.2487	0.0071	46.4482	47.0203
0.4667	0.0109	74.3486	-63.3391	0.0071	46.3136	46.9169
0.4658	0.011	74.2934	-69.6302	0.0075	46.3498	46.9415
0.4661	0.0114	74.1278	-69.4095	0.0077	46.4223	47.0449
0.4666	0.0115	74.3486	-69.9062	0.0079	46.3653	46.9514
0.4673	0.0118	74.0726	-69.851	0.0081	46.3188	46.907
0.4674	0.0122	74.2382	-71.1202	0.0085	46.3291	46.9514
0.4677	0.0124	73.7415	-72.1688	0.0088	46.3343	46.912
0.4675	0.0126	73.5208	-72.0584	0.0089	46.3084	46.9464
0.4681	0.0129	73.576	-71.7273	0.0092	46.3136	46.9464
0.468	0.0133	73.7967	-67.2021	0.0097	46.3032	46.9661
0.468	0.0136	73.9071	-66.6502	0.0099	46.3395	47.0055
0.4677	0.0139	74.459	-67.8091	0.0102	46.179	46.8726
0.4672	0.0143	74.1278	-66.8158	0.0107	46.1635	46.8184
0.4665	0.0147	74.2934	-65.2154	0.0109	46.2049	46.8972
0.4647	0.0149	73.9071	-64.6635	0.0112	46.3032	46.9366
0.4631	0.0152	74.3486	-70.7891	0.0115	46.1738	46.8381
0.4624	0.0156	74.4589	-71.341	0.0118	46.0651	46.7494
0.4618	0.016	73.8519	-70.2373	0.0123	46.0082	46.6805
0.4621	0.0165	73.7967	-68.968	0.0125	46.0237	46.6953
0.4587	0.017	73.9623	-94.3533	0.013	46.0651	46.7445
0.456	0.0174	74.2382	-131.769	0.0136	45.7959	46.3801
0.2171	0.0013	-46.265	-54.6087	0.0006	24.1079	21.384
0.4791	0.0019	92.1183	-104.2867	-0.0004	17.0126	22.1298
0.4324	0.0023	101.5	-38.009	-0.0002	15.9306	23.952
0.4466	0.0022	101.224	-38.5056	-0.0004	15.9358	24.2081
0.46	0.0023	101.114	-39.1127	-0.0004	16.4846	24.548
0.472	0.0023	100.838	-38.9471	-0.0004	18.3223	24.8976
0.4837	0.0024	101.721	-41.2649	-0.0003	24.3016	25.7349

0.4942	0.0024	98.6302	-51.4742	-0.0003	28.6191	29.527
0.5043	0.0024	88.5864	-54.7853	-0.0005	32.7968	34.5948
0.5124	0.0024	86.0479	-54.0127	-0.0003	35.6337	37.8797
0.5189	0.0025	85.0546	-53.6264	-0.0003	37.2748	39.825
0.526	0.0025	84.1716	-51.8605	-0.0003	38.3568	40.9036
0.5315	0.0025	82.2953	-54.3439	-0.0003	39.4284	41.923
0.5367	0.0026	81.909	-50.6464	-0.0003	39.9616	42.4746
0.5408	0.0026	82.1297	-48.6046	-0.0003	40.4275	42.8144
0.546	0.0026	83.0679	-41.7616	-0.0005	40.7019	43.0705
0.5495	0.0027	83.1231	-42.6445	-0.0004	40.9297	43.238
0.5538	0.0027	83.9508	-41.0994	-0.0003	41.0436	43.4744
0.5572	0.0028	82.4608	-40.7682	-0.0003	41.1574	43.5236
0.5609	0.0028	82.2953	-39.5542	-0.0003	41.2662	43.5433
0.5652	0.0029	81.9642	-40.3819	-0.0002	41.4215	43.6861
0.5692	0.0028	81.6331	-39.8301	-0.0003	41.5768	43.76
0.5726	0.0028	81.0812	-40.9338	-0.0003	41.7062	43.9078
0.5758	0.0028	81.026	-40.9338	-0.0003	41.8615	44.0752
0.5794	0.0029	81.4123	-40.2164	-0.0001	41.7062	44.1688
0.5822	0.0029	81.1364	-40.5475	-0.0003	41.7735	44.1934
0.5856	0.003	81.2468	-41.4305	-0.0003	41.789	44.287
0.5882	0.003	80.6949	-40.7131	-0.0004	41.8563	44.218
0.5909	0.003	81.0812	-40.8786	-0.0002	41.8149	44.1146
0.5931	0.0031	80.6397	-42.0927	-0.0001	41.8408	44.2131
0.5949	0.003	80.3638	-40.8234	-0.0002	41.8149	44.2525
0.598	0.003	80.1982	-42.2582	-0.0002	41.8511	44.2624
0.6002	0.0031	79.8119	-41.7064	-0.0002	41.8874	44.2968
0.6027	0.003	79.7016	-40.8786	-0.0002	41.877	44.2968
0.6044	0.0031	79.9223	-42.2583	-0.0002	41.9391	44.3658
0.607	0.0032	79.9223	-40.6579	-0.0001	42.0168	44.5037
0.6083	0.0031	79.4808	-40.1612	-0.0001	42.3274	44.7302
0.61	0.0032	79.536	-40.9338	-0.0001	42.5293	44.9272
0.6119	0.0031	79.6464	-41.0442	-0.0001	42.7053	45.0159
0.6133	0.0032	79.536	-41.3201	-0.0001	42.783	45.0356
0.6142	0.0032	78.7634	-42.1479	-0.0001	42.9693	45.2769
0.6158	0.0032	78.7082	-41.0993	-0.0001	43.1712	45.4542
0.6175	0.0033	78.8738	-39.7197	-0.0001	43.3628	45.6167
0.6184	0.0033	78.8186	-40.0508	-0.0001	43.5129	45.8383
0.6192	0.0033	78.1012	-41.2649	0.0001	43.632	45.8974

0.6197	0.0033	78.5427	-40.1612	0.0001	43.6475	45.9319
0.6207	0.0034	78.4323	-40.2716	0	43.5284	45.7842
0.6215	0.0035	78.7634	-40.106	0.0001	43.4767	45.8236
0.622	0.0035	78.4875	-39.9956	0.0002	43.5181	45.7103
0.6226	0.0036	78.653	-39.8301	0.0002	43.4145	45.661
0.6227	0.0038	78.7082	-39.1679	0.0004	43.368	45.6315
0.6219	0.0037	78.8738	-38.9471	0.0003	43.223	45.5428
0.623	0.0038	78.4323	-38.2849	0.0003	43.1195	45.5231
0.6231	0.004	78.9842	-38.1193	0.0005	43.0988	45.4936
0.6222	0.0039	78.5427	-37.6227	0.0004	43.0418	45.3902
0.6221	0.0041	78.5427	-38.2297	0.0005	43.0004	45.4148
0.6207	0.004	77.8253	-37.9538	0.0005	42.9745	45.3705
0.62	0.0041	78.3219	-37.733	0.0006	43.0211	45.3557
0.6192	0.0043	78.5427	-37.9538	0.0008	42.8762	45.2769
0.6182	0.0043	79.0945	-37.4571	0.0008	42.8813	45.2572
0.6163	0.0042	78.3219	-38.0642	0.0007	42.7416	45.1439
0.6151	0.0045	78.5979	-37.7882	0.0008	42.6587	45.1144
0.614	0.0045	78.3219	-38.009	0.001	42.6484	45.1045
0.6119	0.0045	78.929	-37.8434	0.0009	42.6121	45.0257
0.6102	0.0047	78.3219	-37.5123	0.001	42.5707	44.9814
0.6085	0.0047	78.3771	-37.0708	0.0012	42.4206	44.8681
0.6066	0.0047	77.6597	-37.4571	0.0012	42.3636	44.7992
0.6046	0.0048	78.2667	-36.9604	0.0012	42.3119	44.7795
0.6031	0.0049	78.1564	-39.5542	0.0014	42.3015	44.7253
0.6009	0.0051	77.9908	-40.6027	0.0015	42.2705	44.7302
0.5985	0.0051	77.6597	-41.5408	0.0016	42.2239	44.7056
0.5973	0.0053	77.8805	-42.9757	0.0017	42.1359	44.6317
0.5949	0.0053	78.4323	-39.499	0.0018	42.1669	44.6219
0.592	0.0054	78.4323	-39.1127	0.0019	42.2446	44.7007
0.5901	0.0056	77.9908	-40.9338	0.0021	42.3844	44.8681
0.5875	0.0057	77.9908	-42.1479	0.0021	42.55	45.0257
0.5853	0.0057	78.046	-39.9405	0.0022	42.7674	45.1636
0.5828	0.0058	77.3838	-43.4171	0.0022	42.871	45.3064
0.5799	0.0059	77.439	-42.8653	0.0024	43.0211	45.4739
0.5774	0.0061	77.7149	-43.2516	0.0026	43.2592	45.6364
0.5752	0.0063	77.8253	-44.1346	0.0027	43.4042	45.7546
0.5722	0.0064	77.7701	-42.8653	0.0029	43.4301	45.8186
0.5691	0.0065	77.3286	-44.576	0.0031	43.4353	45.8383

0.566	0.0067	77.439	-45.7901	0.0032	43.5336	45.8925
0.5627	0.0069	77.0527	-48.0527	0.0035	43.4197	45.8039
0.5596	0.0073	77.439	-49.2668	0.0036	43.4197	45.794
0.5555	0.0074	77.1078	-50.7568	0.0039	43.3628	45.7743
0.5508	0.0075	76.6664	-54.0679	0.0039	43.3007	45.6955
0.5463	0.0077	76.2801	-52.7435	0.0041	43.1919	45.6413
0.5423	0.0079	76.1145	-54.5094	0.0043	43.1505	45.5822
0.5369	0.0081	76.2249	-54.7302	0.0046	43.1661	45.6216
0.5317	0.0084	75.5627	-55.5028	0.005	43.1091	45.5379
0.5261	0.0085	75.7282	-57.7102	0.0051	43.1195	45.5625
0.5203	0.0088	75.2867	-56.3305	0.0053	43.0884	45.5478
0.5151	0.0091	75.7282	-58.5931	0.0056	43.1402	45.597
0.5091	0.0093	75.066	-57.2135	0.006	43.0781	45.5478
0.5031	0.0096	75.7834	-56.0546	0.0063	43.0573	45.533
0.4961	0.0098	76.0593	-56.1098	0.0065	43.047	45.5084
0.4896	0.0101	75.0108	-56.9928	0.0067	43.0884	45.5675
0.483	0.0104	75.1212	-56.5513	0.007	43.0366	45.469
0.4752	0.0106	74.5141	-57.9309	0.0073	43.0522	45.464
0.468	0.011	74.6245	-60.7454	0.0076	43.0936	45.5478
0.4598	0.0113	74.0175	-61.4076	0.0079	43.1246	45.6266
0.452	0.0116	73.1897	-62.6217	0.0083	43.1868	45.6315
0.4438	0.012	73.6312	-63.5046	0.0086	43.2075	45.6364
0.435	0.0123	73.6864	-65.4913	0.0088	43.1712	45.597
0.4256	0.0127	73.7415	-63.7254	0.0092	43.1816	45.6463
0.416	0.0131	73.9623	-61.5732	0.0096	43.1505	45.6167
0.4051	0.0135	74.4038	-61.0765	0.0103	43.1505	45.6019
0.3938	0.014	74.1278	-65.7121	0.0107	42.959	45.4049
0.3909	0.0145	73.7967	-73.7691	0.0109	42.7778	45.0947
0.3875	0.0149	74.2382	-101.9137	0.0116	42.7881	45.0799
0.3763	0.0154	74.3486	-176.69	0.012	42.7519	44.9371

0.2643	0.0114	-108.75	-124.4404	0.0105	86.2099	26.6807
0.539	0.0019	61.4904	-126.9679	-0.0004	95.7888	24.7055
0.4636	0.0027	77.9356	-88.5588	-0.0004	95.7888	24.6465
0.4602	0.0027	77.3838	-91.8148	-0.0004	95.7888	24.8434
0.4583	0.0026	78.2667	-93.5255	-0.0003	95.7888	24.9124
0.4555	0.0026	78.5427	-92.6977	-0.0004	95.7888	25.0651

0.4529	0.0026	78.046	-93.8566	-0.0003	95.7888	25.9171
0.4535	0.0027	77.7149	-102.3	-0.0003	95.7888	29.4975
0.4451	0.0027	75.2867	-93.084	-0.0004	95.7888	33.9447
0.4445	0.0026	75.1212	-98.437	-0.0003	95.7888	37.3675
0.4447	0.0026	74.1278	-101.2515	-0.0003	95.7888	39.4754
0.4461	0.0026	72.8034	-102.907	-0.0003	95.7888	40.6672
0.4468	0.0026	71.9204	-100.2581	-0.0004	95.7888	41.6325
0.448	0.0027	71.7549	-103.79	-0.0003	95.7888	42.4254
0.4487	0.0027	71.0926	-106.1078	-0.0003	95.7888	43.0607
0.4494	0.0027	70.7063	-106.8804	-0.0003	95.7888	43.6468
0.4506	0.0028	70.596	-105.8319	-0.0002	95.7888	44.1392
0.4508	0.0029	70.7615	-105.8871	-0.0003	95.7888	44.5628
0.4513	0.003	70.4304	-107.1563	-0.0002	95.7888	44.8435
0.4521	0.003	70.3752	-108.2048	-0.0001	95.7888	44.9715
0.453	0.003	70.4856	-108.9222	-0.0001	95.7888	45.0553
0.4535	0.003	70.2649	-108.8119	-0.0003	95.7888	45.2621
0.4532	0.0032	69.8786	-109.0326	0	95.7888	45.4099
0.4517	0.0032	70.4304	-108.536	0	95.7888	45.5281
0.4499	0.0033	70.2649	-110.026	0	95.7888	45.6709
0.449	0.0033	70.2097	-111.24	0	95.7888	45.6857
0.4514	0.0036	69.8786	-112.7852	0.0002	95.7888	45.666
0.4524	0.0034	70.2649	-111.7367	0.0002	95.7888	45.7497
0.4527	0.0036	69.7682	-112.3989	0.0001	95.7888	45.8186
0.4531	0.0037	69.4923	-114.9926	0.0002	95.7888	45.8482
0.4535	0.0036	69.1612	-113.5578	0.0003	95.7888	45.9319
0.4543	0.0037	69.8786	-114.5512	0.0004	95.7888	45.9812
0.455	0.0038	70.2097	-114.9926	0.0004	95.7888	45.8531
0.456	0.0041	69.8234	-115.3789	0.0005	95.7888	45.8728
0.456	0.0042	68.9404	-117.2001	0.0007	95.7888	45.9319
0.4564	0.0042	68.4437	-116.6482	0.0006	95.7888	45.9861
0.455	0.0042	68.7197	-116.2619	0.0008	95.7888	45.9959
0.454	0.0042	68.6093	-115.2134	0.0009	95.7888	45.9762
0.4543	0.0043	68.3885	-116.0964	0.001	95.7888	46.0304
0.4549	0.0044	68.7748	-114.4408	0.0009	95.7888	46.0156
0.4546	0.0045	68.4989	-116.8689	0.0011	95.7888	46.0501
0.4544	0.0046	68.6093	-114.8271	0.0011	95.7888	46.188
0.454	0.0046	67.9471	-115.986	0.0012	95.7888	46.1535
0.4533	0.0048	68.9404	-115.5445	0.0014	95.7888	46.252

0.4531	0.0049	68.6645	-114.9926	0.0015	95.7888	46.1535
0.4526	0.005	68.3885	-115.7653	0.0016	95.7888	46.0501
0.4506	0.0052	68.3334	-115.2686	0.0018	95.7888	46.0009
0.449	0.0052	68.2782	-115.3238	0.002	95.7888	46.0944
0.4479	0.0054	68.0023	-116.2067	0.002	95.7888	46.2176
0.4473	0.0055	68.223	-116.5378	0.0022	95.7888	46.1979
0.4477	0.0056	68.7197	-117.6416	0.0023	95.7888	46.1535
0.4488	0.0056	68.223	-119.1867	0.0023	95.7888	46.1289
0.45	0.0058	68.3885	-120.7319	0.0026	95.7888	46.1732
0.451	0.0061	68.4989	-120.7871	0.0027	95.7888	46.2422
0.4512	0.0062	68.2782	-119.7938	0.0029	95.7888	46.2767
0.4506	0.0064	68.3885	-120.6216	0.0029	95.7888	46.2914
0.4501	0.0067	68.83	-119.4075	0.003	95.7888	46.2028
0.4481	0.0067	68.6093	-119.7938	0.0033	95.7888	46.1388
0.4469	0.007	68.2782	-119.4627	0.0032	95.7888	46.0698
0.447	0.0071	68.4437	-119.573	0.0034	95.7888	46.1732
0.4466	0.0072	68.9404	-120.1801	0.0037	95.7888	46.188
0.4469	0.0073	68.83	-119.7938	0.0038	95.7888	46.1979
0.4475	0.0075	68.7749	-121.0079	0.0039	95.7888	46.1831
0.4465	0.0075	69.2163	-120.6216	0.0042	95.7888	46.2668
0.4464	0.0076	68.4437	-122.7186	0.0043	95.7888	46.2176
0.4464	0.0078	68.8852	-122.6082	0.0044	95.7888	46.1732
0.4469	0.008	68.6093	-121.8356	0.0046	95.7888	46.2323
0.446	0.0083	68.6645	-121.5597	0.0049	95.7888	46.2964
0.4441	0.0085	68.6093	-122.0564	0.0049	95.7888	46.2028
0.4416	0.0086	68.7748	-120.3456	0.0053	95.7888	46.2028
0.4409	0.0089	69.3819	-122.6082	0.0054	95.7888	46.1634
0.4404	0.009	68.6645	-122.4427	0.0056	95.7888	46.2077
0.4397	0.0092	68.5541	-123.3257	0.0057	95.7888	46.1141
0.4403	0.0095	68.5541	-123.6568	0.0061	95.7888	46.188
0.4413	0.0098	69.2715	-123.1601	0.0062	95.7888	46.1929
0.4418	0.01	70.596	-125.0364	0.0064	95.7888	46.2028
0.4425	0.0101	69.9889	-124.2638	0.0065	95.7888	45.991
0.4424	0.0103	70.2097	-123.712	0.0068	95.7888	46.0501
0.4424	0.0106	70.9271	-125.0364	0.0071	95.7888	46.0403
0.4422	0.011	71.3134	-123.5464	0.0074	95.7888	45.9861
0.4406	0.0113	70.9271	-124.8157	0.0078	95.7888	45.9221
0.4393	0.0114	70.7615	-126.0849	0.0079	95.7888	45.8679

0.4398	0.0117	71.4789	-126.5264	0.0082	95.7888	45.9664
0.4407	0.012	71.5341	-126.8575	0.0084	95.7888	45.8876
0.4424	0.0121	71.8101	-127.0231	0.0087	95.7888	45.9959
0.4427	0.0124	71.6997	-126.9127	0.0088	95.7888	45.8925
0.4436	0.0127	71.7549	-127.7405	0.0091	95.7888	45.9319
0.4446	0.0129	71.7549	-127.6301	0.0096	95.7888	45.9418
0.4462	0.0132	72.1412	-126.1953	0.0098	95.7888	45.863
0.4468	0.0135	72.086	-125.9194	0.0102	95.7888	45.7694
0.4471	0.0138	72.1963	-125.202	0.0105	95.7888	45.9171
0.4457	0.0141	72.5275	-124.6501	0.0111	95.7888	45.927
0.4432	0.0145	72.2515	-124.926	0.0112	95.7888	45.8482
0.4425	0.0147	72.2515	-124.7053	0.0114	95.7888	45.8285
0.4413	0.0152	72.5275	-126.3609	0.0118	95.7888	45.9073
0.4406	0.0156	71.8652	-127.6853	0.0122	95.7888	45.7398
0.4415	0.0158	72.8034	-127.1335	0.0125	95.7888	45.8236
0.4413	0.0162	73.0793	-127.6853	0.0128	95.7888	45.927
0.4417	0.0165	72.5826	-129.3409	0.0134	95.7888	45.9319
0.4422	0.017	72.7482	-128.8994	0.0138	95.7888	45.9368
0.4428	0.0173	73.2449	-129.7823	0.0142	95.7888	46.0058
0.4423	0.0177	73.576	-129.5616	0.0145	95.7888	45.8974
0.4419	0.0181	73.576	-132.9831	0.0151	95.7888	45.8383
0.4409	0.0185	73.4656	-131.3275	0.0154	95.7888	45.8531
0.4388	0.0191	74.0727	-129.7272	0.0161	95.7888	45.8285
0.4365	0.0196	73.4656	-129.8927	0.0165	95.7888	45.7645
0.4355	0.0199	73.576	-131.162	0.0169	95.7888	45.8728
0.4353	0.0202	73.6312	-130.3342	0.0173	95.7888	45.8482
0.4351	0.0207	73.6312	-130.0583	0.0177	95.7888	45.7645
0.4355	0.0212	74.0175	-131.6035	0.0181	95.7888	45.661
0.4359	0.0218	75.0108	-130.3894	0.0188	95.7888	45.7349
0.4368	0.0222	74.6245	-128.6786	0.0192	95.7888	45.6857
0.4352	0.0229	75.5075	-133.4798	0.0197	95.7888	45.6216
0.4316	0.0235	77.5493	-166.2047	0.0199	95.7888	45.4148
0.4248	0.0241	84.2268	-224.1494	0.0204	95.7888	45.208
0.3876	0.0247	80.3086	-468.6209	0.0204	95.7888	45.006
0.2217	0.0006	-1.1175	-3.5015	0	25.2913	25.5903
0.4665	0.0023	31.3039	-103.7348	-0.0004	18.9436	26.2076
0.4323	0.0029	35.0014	-45.6797	-0.0003	20.9418	26.5376

0.4468	0.0029	35.3877	-45.2934	-0.0003	21.4647	26.7839
0.4606	0.003	36.0499	-45.4038	-0.0004	22.3085	27.0301
0.4734	0.003	36.5466	-46.3972	-0.0003	25.4612	27.5078
0.4855	0.003	36.4914	-46.8938	-0.0003	29.727	30.448
0.4966	0.003	38.1469	-47.556	-0.0002	34.3033	34.8312
0.5063	0.003	38.8643	-47.9423	-0.0003	37.5129	38.0225
0.5148	0.0031	39.7473	-48.2735	-0.0002	39.5164	39.9432
0.5228	0.0031	40.5199	-48.7149	-0.0003	40.7071	41.2582
0.531	0.0032	39.0299	-48.5494	-0.0002	41.6492	42.2185
0.538	0.0033	37.5399	-48.1079	-0.0002	42.462	43.0508
0.5441	0.0033	37.5951	-47.6664	-0.0001	42.902	43.6369
0.5498	0.0034	37.6503	-48.0527	-0.0001	43.456	44.1639
0.555	0.0034	37.7054	-47.7768	-0.0001	43.9271	44.6908
0.5611	0.0034	37.5399	-47.6112	-0.0002	44.1911	44.9568
0.566	0.0035	37.8158	-48.1631	-0.0001	44.5017	45.2326
0.572	0.0035	37.5951	-48.5494	-0.0001	44.7554	45.4837
0.5767	0.0035	37.0432	-48.8253	-0.0001	45.0763	45.7891
0.5818	0.0035	36.8225	-48.9909	-0.0001	45.1488	45.9073
0.5867	0.0035	36.9328	-49.3772	-0.0002	45.2161	45.9418
0.5913	0.0036	36.4914	-49.2668	-0.0001	45.3093	45.9516
0.5947	0.0035	36.3258	-49.7083	-0.0001	45.3818	46.0255
0.5983	0.0036	36.3258	-49.322	-0.0001	45.3352	45.9861
0.6021	0.0037	36.7673	-48.8805	0	45.4491	46.1585
0.6063	0.0037	36.4362	-49.0461	0	45.4853	46.1683
0.6088	0.0038	35.9395	-49.1564	0	45.3041	45.9812
0.6114	0.0038	35.9947	-49.5979	0	45.4853	46.188
0.6144	0.0038	35.774	-49.4324	0.0001	45.6354	46.3308
0.6173	0.0038	35.6084	-49.3772	0.0001	45.6924	46.4293
0.6192	0.0039	36.0499	-49.3772	0.0002	45.8166	46.5722
0.6206	0.0039	35.8291	-49.2668	0.0001	45.9046	46.5721
0.6231	0.0039	35.6084	-50.0394	0.0002	45.9201	46.5327
0.6252	0.0039	35.498	-49.5979	0.0003	45.7959	46.5131
0.6262	0.004	35.2773	-49.7635	0.0003	45.8632	46.582
0.6272	0.004	35.2773	-49.322	0.0003	45.8063	46.449
0.6292	0.0041	35.4428	-49.4324	0.0004	45.8114	46.4687
0.6293	0.0042	35.6084	-49.9842	0.0005	45.8218	46.4589
0.63	0.0042	35.2773	-49.8186	0.0005	45.9098	46.6263
0.6304	0.0043	35.2773	-50.205	0.0006	45.9719	46.6263

0.6312	0.0045	35.5532	-49.9842	0.0006	45.9616	46.5721
0.6317	0.0045	35.3877	-49.5979	0.0006	45.9201	46.513
0.6318	0.0047	35.1669	-49.322	0.0008	45.8736	46.5278
0.6321	0.0047	35.6084	-49.2116	0.0009	45.9823	46.6115
0.6327	0.0049	34.8358	-49.0461	0.001	46.0599	46.6756
0.6327	0.0049	35.2221	-48.5494	0.0011	45.915	46.518
0.6327	0.0049	34.9462	-49.2668	0.0011	45.6509	46.2816
0.6325	0.005	34.284	-49.5979	0.0013	45.7855	46.3505
0.6321	0.0051	34.2288	-49.3772	0.0013	45.8839	46.5229
0.6323	0.0052	34.4495	-48.9357	0.0014	45.8528	46.5278
0.6316	0.0054	34.6702	-49.1564	0.0016	45.8425	46.5229
0.631	0.0055	34.3391	-49.1564	0.0017	45.9253	46.6362
0.6305	0.0057	34.5599	-48.7701	0.0017	46.0082	46.6756
0.6295	0.0057	33.8977	-49.2668	0.0019	45.9409	46.582
0.6287	0.0058	33.8977	-48.8805	0.002	45.915	46.6066
0.6279	0.006	34.1184	-48.7701	0.0021	45.9667	46.5919
0.6274	0.0061	33.6769	-48.6598	0.0022	46.0185	46.6953
0.6263	0.0063	33.2354	-49.1012	0.0024	46.1065	46.7888
0.6254	0.0064	33.5665	-48.6598	0.0025	46.1117	46.8135
0.6237	0.0066	33.4562	-49.0461	0.0026	46.2308	46.9612
0.6231	0.0067	33.401	-49.0461	0.0029	46.3136	46.9809
0.6217	0.0068	33.5665	-48.7701	0.003	45.9046	46.5672
0.6199	0.007	32.9043	-49.1012	0.0031	46.0392	46.6903
0.6182	0.0071	32.7388	-48.3286	0.0033	46.1117	46.7199
0.6168	0.0073	33.1802	-48.3286	0.0035	46.3446	46.9317
0.6145	0.0075	32.6836	-48.6598	0.0037	46.4223	47.0843
0.6126	0.0076	32.9595	-48.3838	0.0038	46.4068	47.0597
0.6096	0.0078	33.2354	-48.3838	0.004	46.3861	47.0351
0.6078	0.008	33.3458	-48.439	0.0043	46.3757	47.0055
0.6051	0.0082	33.0147	-48.6598	0.0045	46.3239	46.9809
0.6018	0.0084	33.0147	-48.4942	0.0046	46.3136	46.9957
0.5988	0.0086	32.8491	-48.6598	0.0049	46.3084	46.9563
0.5963	0.0088	32.4076	-48.4942	0.005	46.4068	47.0006
0.5912	0.0091	32.6284	-47.3905	0.0052	46.3757	46.9957
0.5862	0.0093	32.7939	-47.1698	0.0053	46.355	46.9514
0.5803	0.0095	32.518	-47.0042	0.0055	46.4896	47.0745
0.576	0.0097	32.2973	-47.6112	0.0056	46.5517	47.237
0.57	0.0099	32.1869	-51.6398	0.0058	46.5414	47.3651

0.566	0.0101	32.4076	-57.5998	0.0062	46.5207	47.3946
0.5607	0.0106	32.9043	-62.0698	0.0064	46.4792	47.3749
0.5556	0.0109	32.2973	-64.0565	0.0068	46.4896	47.3848
0.5491	0.0111	32.6836	-68.968	0.0069	46.4534	47.3749
0.5429	0.0114	33.0147	-73.0517	0.0071	46.1842	47.3503
0.5372	0.0117	32.8491	-77.4666	0.0076	45.8839	47.1631
0.5303	0.012	32.9043	-83.7025	0.0077	45.6354	47.0203
0.5231	0.0123	33.0699	-85.3029	0.008	45.6975	47.0154
0.5151	0.0127	33.0699	-92.1459	0.0082	45.6302	46.9661
0.5063	0.013	33.2906	-92.3666	0.0085	46.1117	46.8627
0.4973	0.0132	33.2906	-92.4218	0.0088	45.9719	46.9366
0.488	0.0136	33.0147	-99.8718	0.0092	45.8994	46.9612
0.4783	0.0139	32.8491	-103.4589	0.0096	45.8684	47.04
0.4716	0.0141	32.8491	-93.2496	0.0098	45.7959	47.0696
0.4635	0.0145	33.1802	-102.7967	0.0101	46.2773	47.1484
0.4569	0.0148	33.0147	-112.6749	0.0103	46.2825	47.2025
0.4524	0.0152	33.0699	-117.476	0.0108	46.1842	47.2469
0.448	0.0156	32.9595	-120.5112	0.0112	46.2049	47.3552
0.448	0.0159	33.2354	-98.7681	0.0115	46.7122	47.4636
0.4433	0.0164	33.5114	-121.5597	0.0119	46.531	47.4192
0.4405	0.0168	33.0147	-132.1001	0.0122	46.2825	47.3404
0.4411	0.0173	33.4562	-124.5949	0.0127	46.1531	47.3404
0.4474	0.0174	33.7873	-73.1069	0.0129	46.3136	47.3848
0.4511	0.0179	34.008	-51.0879	0.0132	46.707	47.5079
0.4528	0.0186	34.6702	-49.2668	0.0139	46.8779	47.6655
0.4527	0.019	33.8425	-49.7635	0.0142	46.9141	47.6803
0.4515	0.0196	33.6769	-49.3772	0.0147	46.8261	47.6556
0.4489	0.0201	34.008	-50.7568	0.015	46.9193	47.7246
0.4446	0.0208	33.8977	-68.968	0.0154	46.8727	47.6162
0.4389	0.0213	33.3458	-108.5911	0.0161	46.7174	47.5227
0.4347	0.022	33.1802	-140.7091	0.0166	46.2825	47.1237
0.4339	0.0228	33.3458	-128.789	0.0174	46.2411	47.3257
0.431	0.0233	33.6217	-145.7309	0.018	46.2981	47.3995
0.4216	0.0238	34.6702	-200.3645	0.0185	46.5155	47.2863
0.2147	0.0006	-1.5148	-3.5015	0.0002	22.4352	22.0178
0.5949	0.0018	46.6455	-140.9298	-0.0003	15.9772	23.2675
0.6626	0.002	53.7644	-69.5199	-0.0003	16.8521	23.3955

0.7534	0.0025	55.6407	-60.635	-0.0001	16.9557	23.4694
0.8134	0.0026	56.91	-52.5227	-0.0002	17.6131	23.4694
0.8559	0.0026	58.4552	-51.7501	-0.0002	19.3629	23.5186
0.8875	0.0026	61.2144	-51.3638	-0.0004	23.4733	24.5923
0.9107	0.0027	62.5389	-51.0879	-0.0002	27.4595	28.1431
0.9274	0.0025	60.8833	-53.792	-0.0002	31.9375	32.5115
0.9398	0.0026	57.7378	-54.7853	-0.0003	35.2972	35.9294
0.949	0.0026	58.5104	-54.7853	-0.0003	37.5336	38.2097
0.9554	0.0027	58.7863	-56.2202	-0.0003	39.0142	39.6083
0.96	0.0027	54.1507	-57.1031	-0.0002	40.0134	40.7411
0.9461	0.0028	52.3296	-55.0061	-0.0003	34.7019	41.2828
0.8069	0.0027	53.2677	-51.1983	-0.0003	34.3551	41.5537
0.8009	0.0028	53.4885	-56.1098	-0.0002	41.6441	42.2678
0.8359	0.0028	54.1507	-56.5513	-0.0002	42.0323	42.6421
0.8649	0.003	54.4266	-56.165	-0.0001	42.3999	43.0262
0.8875	0.003	54.6474	-55.5028	-0.0001	42.5552	43.2183
0.9049	0.0032	55.3648	-54.8405	-0.0001	42.6794	43.3316
0.9184	0.0034	57.6274	-54.6198	0	42.6743	43.3069
0.9291	0.0036	56.5237	-54.3439	-0.0001	42.7312	43.3168
0.9381	0.0038	56.9652	-54.0679	0	42.8296	43.4448
0.9455	0.0037	56.4685	-54.1783	0	42.9072	43.5581
0.9504	0.0037	56.5789	-54.6198	0.0001	42.7364	43.4695
0.9558	0.004	57.2411	-53.6816	0.0003	42.9072	43.568
0.9605	0.004	55.9718	-53.6264	0.0003	42.9797	43.6714
0.9635	0.0041	56.027	-53.8472	0.0003	43.0522	43.6911
0.9634	0.0043	55.6959	-53.5161	0.0004	43.0159	43.7009
0.9657	0.0043	55.4752	-53.5713	0.0003	43.1195	43.7305
0.9671	0.0045	55.4752	-53.6816	0.0003	43.1609	43.9028
0.9674	0.0046	55.1992	-53.1298	0.0007	43.135	43.9767
0.9697	0.0047	55.4752	-53.4057	0.0006	43.1143	43.957
0.9696	0.0048	55.1441	-53.5161	0.0007	43.1402	43.9225
0.9711	0.0049	55.3096	-53.7368	0.0009	43.2955	44.0555
0.9703	0.0051	55.0337	-53.1298	0.0011	43.575	44.2673
0.9727	0.0051	54.7026	-52.7987	0.0012	43.8183	44.5677
0.9723	0.0051	54.3163	-53.3505	0.001	43.9788	44.7056
0.9726	0.0054	54.4266	-53.4057	0.0013	44.0151	44.9469
0.9735	0.0055	54.537	-53.8472	0.0013	44.3412	45.0799
0.9728	0.0055	54.5922	-53.7368	0.0015	44.5276	45.1981

0.9737	0.0057	54.3163	-53.6816	0.0015	44.6777	45.3705
0.9727	0.0057	54.0403	-54.2887	0.0017	44.833	45.4936
0.9731	0.0059	54.0403	-54.1231	0.0017	44.9883	45.6216
0.9736	0.0061	53.5989	-53.4057	0.0018	45.0504	45.7152
0.9738	0.0061	53.654	-53.2953	0.0019	45.0297	45.7201
0.9737	0.0063	53.8196	-52.8539	0.0022	44.9624	45.6364
0.9719	0.0065	53.8748	-53.2402	0.0022	44.9417	45.5428
0.9735	0.0066	54.1507	-53.0194	0.0024	44.8951	45.4887
0.9739	0.0066	54.3163	-52.7435	0.0025	44.8899	45.4788
0.9732	0.0069	54.2059	-53.0194	0.0027	44.8278	45.4197
0.9731	0.0068	54.4266	-52.5779	0.0028	44.7657	45.3508
0.9717	0.0072	54.4266	-52.909	0.0029	44.5845	45.2424
0.9721	0.0074	54.7578	-52.6331	0.0031	44.5276	45.1833
0.9726	0.0076	54.8129	-52.1364	0.0033	44.4447	45.1439
0.9731	0.0076	54.1507	-52.0261	0.0034	44.3516	45.0109
0.9719	0.0076	53.5437	-52.9642	0.0035	44.2946	44.8829
0.9732	0.0078	53.5989	-52.6883	0.0037	44.248	44.8484
0.9724	0.0079	53.93	-51.8053	0.0038	44.2584	44.878
0.9718	0.0081	54.0403	-51.8605	0.004	44.1859	44.8681
0.9721	0.0083	53.9852	-51.2535	0.0041	44.1548	44.7549
0.9711	0.0085	54.3715	-51.9709	0.0044	44.0617	44.681
0.9705	0.0086	54.4266	-51.7501	0.0045	44.0617	44.6711
0.9721	0.0088	54.3714	-51.4742	0.0046	43.9374	44.6268
0.9722	0.009	54.7026	-50.7568	0.0047	43.9167	44.6514
0.9725	0.0091	54.2059	-51.3638	0.0049	44.0047	44.7598
0.9723	0.0092	53.8196	-51.6398	0.0049	44.2325	44.9715
0.9713	0.0094	54.1507	-51.6398	0.0052	44.5483	45.1882
0.9707	0.0096	54.0955	-51.695	0.0055	44.7761	45.4936
0.9706	0.0098	54.0955	-51.8053	0.0056	44.9728	45.7448
0.9712	0.0098	54.2059	-51.9709	0.0056	45.154	45.8433
0.9704	0.0098	53.3781	-52.3572	0.0059	45.2782	45.8876
0.9706	0.01	53.8748	-52.1364	0.006	45.3973	45.9713
0.9707	0.0102	54.3714	-52.4124	0.0063	45.4801	45.9959
0.9713	0.0106	54.0955	-51.9709	0.0066	45.4542	46.0255
0.9711	0.0106	54.4818	-52.1916	0.0067	45.3662	45.8876
0.9702	0.0108	53.7092	-51.8605	0.0069	45.2627	45.8285
0.971	0.011	54.0403	-51.9709	0.0071	45.2316	45.7842
0.9694	0.0112	54.0955	-51.3087	0.0072	45.1022	45.7054

0.9692	0.0114	53.8748	-51.0879	0.0075	44.9987	45.6216
0.9692	0.0115	53.9852	-51.419	0.0075	44.8641	45.5625
0.9688	0.0118	53.93	-51.3638	0.0079	44.7243	45.4493
0.9707	0.0121	54.537	-51.419	0.0082	44.745	45.4246
0.9697	0.0123	54.6474	-51.1431	0.0084	44.745	45.3261
0.969	0.0126	55.0889	-51.3087	0.0085	44.6984	45.3015
0.9689	0.0129	54.8681	-51.0879	0.009	44.657	45.2424
0.9686	0.013	54.8129	-51.695	0.0091	44.5742	45.139
0.9681	0.0133	54.7026	-50.9776	0.0094	44.5276	45.1341
0.9686	0.0134	54.3163	-50.812	0.0097	44.5069	45.0553
0.9673	0.0137	54.3715	-50.812	0.0098	44.4965	45.0454
0.9675	0.0139	54.2611	-50.7016	0.0101	44.3981	44.9765
0.9665	0.0142	54.3163	-51.2535	0.0103	44.424	44.9568
0.9673	0.0145	55.0889	-50.5361	0.0105	44.393	44.9913
0.9662	0.0148	54.537	-51.0879	0.0109	44.393	44.9913
0.9674	0.0151	55.3648	-50.4257	0.0112	44.336	44.9272
0.966	0.0154	54.8681	-50.9224	0.0115	44.3101	44.8731
0.9657	0.0158	54.9233	-50.9775	0.0119	44.3981	44.9469
0.9644	0.0162	54.0403	-52.0813	0.0123	44.657	45.2523
0.9645	0.0167	52.9366	-53.185	0.0128	45.154	45.7201
0.9638	0.0168	50.674	-53.3505	0.013	45.6251	46.1929
0.9598	0.0173	50.067	-54.3439	0.0133	46.0599	46.6411

0.254	0.0115	-42.639	-50.5857	0.0095	22.8871	22.5985
0.566	0.0015	29.0965	-96.5607	-0.0003	23.8926	24.3017
0.4867	0.0023	37.4295	-44.3001	-0.0003	23.9444	24.218
0.5017	0.0023	40.6303	-42.479	-0.0003	23.8823	24.2377
0.5147	0.0024	40.5199	-42.2031	-0.0003	23.8978	24.2771
0.5255	0.0024	39.1955	-42.5894	-0.0005	24.0583	24.4544
0.5364	0.0025	43.224	-42.5894	-0.0003	24.84	25.331
0.5455	0.0026	46.8662	-42.4238	-0.0004	27.7287	28.35
0.5543	0.0026	45.9281	-42.9757	-0.0003	31.6631	32.3687
0.5628	0.0026	45.1555	-43.4723	-0.0004	34.8313	35.6881
0.5711	0.0027	45.7625	-44.1897	-0.0004	36.8555	37.7713
0.5782	0.0028	44.9899	-44.3553	-0.0003	38.1549	39.1749
0.5874	0.0028	44.6588	-44.0794	-0.0003	39.0867	40.0269
0.5962	0.0029	44.0518	-43.8586	-0.0002	39.6613	40.7312
0.604	0.003	43.6103	-43.8586	-0.0002	40.0082	41.2139

0.6111	0.0031	43.5551	-43.5275	-0.0002	40.588	41.6965
0.618	0.0031	43.2792	-44.3001	-0.0001	41.0694	42.0708
0.6252	0.0032	43.4447	-43.5275	-0.0003	41.3283	42.3269
0.6316	0.0033	43.7758	-43.4171	0.0002	41.6234	42.6027
0.6377	0.0034	43.0584	-43.969	0.0002	41.8511	43.0459
0.643	0.0035	42.8377	-45.1279	0.0003	42.2394	43.4005
0.6483	0.0037	42.8377	-44.5209	0.0004	42.6587	43.7256
0.6537	0.0037	43.0032	-44.2449	0.0004	43.0263	43.9669
0.6577	0.0039	41.6236	-44.4105	0.0005	43.2437	44.2476
0.6627	0.0041	43.1136	-44.6864	0.0006	43.5543	44.4741
0.6669	0.0042	42.2858	-44.6864	0.0008	43.9167	44.7844
0.6714	0.0044	43.0033	-44.6312	0.0009	44.1238	44.9962
0.6758	0.0046	42.6721	-44.9071	0.001	44.2118	44.9913
0.6796	0.0047	43.0033	-45.1279	0.0012	44.2273	45.0504
0.6844	0.0049	42.1203	-45.2383	0.0015	44.3826	45.1686
0.6876	0.0051	42.7273	-45.1831	0.0016	44.4758	45.2375
0.6905	0.0052	42.1755	-44.9623	0.0016	44.5172	45.2326
0.6945	0.0054	43.1136	-45.6246	0.0019	44.4965	45.2917
0.6969	0.0055	42.617	-44.9623	0.002	44.4706	45.2818
0.6997	0.0057	42.7825	-44.7968	0.0021	44.3257	45.1045
0.7021	0.006	43.4447	-44.3001	0.0022	44.1652	44.9863
0.7042	0.0061	43.4447	-44.0242	0.0024	44.2584	45.1045
0.7066	0.0063	43.224	-44.0242	0.0024	44.2687	45.0996
0.7088	0.0063	43.3344	-43.5827	0.0027	44.1548	44.9617
0.7106	0.0065	43.831	-43.9138	0.0027	44.2273	45.0109
0.7121	0.0066	43.9966	-43.5275	0.003	44.2791	45.0947
0.7144	0.0068	43.224	-43.8034	0.0032	44.2377	45.0651
0.7154	0.0069	43.3895	-43.5275	0.0033	44.1652	45.0257
0.7152	0.0071	43.6655	-43.4171	0.0035	44.1963	45.0011
0.7173	0.0072	43.6655	-43.4723	0.0036	44.248	45.0159
0.7187	0.0073	43.0584	-43.4171	0.0038	44.3412	45.0356
0.7194	0.0075	43.0584	-43.5275	0.0039	44.3101	45.0257
0.719	0.0076	42.0651	-43.8586	0.0041	44.3101	45.0011
0.7199	0.0078	42.1755	-43.5275	0.0042	44.2428	44.9519
0.7206	0.008	43.3895	-43.362	0.0043	44.3308	45.0257
0.721	0.0081	43.1136	-43.9138	0.0043	44.2428	44.9716
0.7208	0.0083	42.9481	-43.8034	0.0047	44.2325	45.0011
0.7201	0.0084	42.3962	-43.362	0.0049	44.248	44.9913

0.7196	0.0085	42.1203	-43.086	0.005	44.2791	45.075
0.7196	0.0087	42.0099	-42.9757	0.0052	44.2428	44.9913
0.7191	0.0088	42.9481	-43.086	0.0053	44.2894	44.9863
0.7195	0.0089	42.2858	-42.8653	0.0054	44.2428	45.0109
0.7186	0.0091	42.5066	-42.9205	0.0056	44.2584	45.0651
0.7172	0.0092	41.5684	-42.9757	0.0057	44.2532	45.0257
0.7164	0.0095	41.9547	-43.086	0.006	44.2532	45.0651
0.7167	0.0096	42.4514	-43.086	0.0061	44.424	45.2227
0.7151	0.0098	42.2307	-43.1412	0.0064	44.6881	45.4591
0.7149	0.0099	42.8377	-43.6931	0.0064	44.8226	45.6118
0.7133	0.0102	40.851	-44.3001	0.0066	45.0918	45.7891
0.7128	0.0104	40.5751	-44.1346	0.0068	45.2161	45.9664
0.7116	0.0106	40.5199	-43.8034	0.0069	45.3559	46.1043
0.7114	0.0107	40.851	-43.4723	0.0071	45.5474	46.257
0.7111	0.011	40.3544	-43.7483	0.0074	45.682	46.3653
0.7108	0.0111	40.6855	-43.5827	0.0076	45.7648	46.5131
0.7097	0.0112	40.7406	-43.5275	0.0077	45.7493	46.449
0.7086	0.0114	43.4999	-43.5827	0.0079	45.6095	46.3161
0.7081	0.0117	43.6103	-43.0308	0.0082	45.6665	46.321
0.7057	0.0119	44.107	-42.8653	0.0083	45.6613	46.3604
0.705	0.012	44.0518	-43.086	0.0084	45.6199	46.3358
0.7034	0.0123	44.0518	-43.086	0.0087	45.5474	46.2816
0.7018	0.0124	44.3277	-42.8653	0.0089	45.4956	46.2126
0.6999	0.0126	43.6103	-43.086	0.0091	45.3869	46.1141
0.698	0.0127	43.8862	-42.7549	0.0093	45.2989	46.06
0.6962	0.013	43.9414	-42.6445	0.0096	45.2523	45.9812
0.6944	0.0133	43.8862	-42.5894	0.0098	45.1747	45.927
0.6919	0.0134	43.7758	-42.7549	0.0099	45.2109	45.9664
0.6903	0.0137	43.6655	-42.7549	0.01	45.097	45.8679
0.688	0.0138	43.4999	-42.8101	0.0104	45.1591	45.9024
0.6853	0.0142	43.831	-42.7549	0.0107	45.2213	45.9221
0.6834	0.0145	43.3344	-42.6997	0.0109	45.1074	45.8236
0.6806	0.0146	43.9966	-42.7549	0.0113	45.0919	45.8137
0.6786	0.0148	44.0518	-42.5894	0.0114	45.0453	45.7743
0.676	0.0151	44.0518	-42.5342	0.0117	44.9831	45.7004
0.6728	0.0154	44.107	-42.8653	0.012	44.9314	45.6266
0.6702	0.0157	44.1621	-42.3134	0.0122	44.9107	45.6216
0.6679	0.016	43.9966	-42.0927	0.0125	44.8796	45.597

0.6642	0.0163	43.2792	-42.2582	0.0127	44.8123	45.5281
0.6616	0.0165	42.9481	-42.2031	0.013	44.8485	45.5773
0.6583	0.0168	44.6036	-42.0927	0.0134	44.8278	45.6019
0.6549	0.017	43.224	-41.9271	0.0136	44.8744	45.5872
0.6506	0.0174	44.6588	-42.2031	0.0138	44.8019	45.4985
0.6469	0.0176	44.3277	-42.5342	0.0142	44.7709	45.4887
0.6434	0.0179	44.1622	-42.0927	0.0143	44.6777	45.3803
0.6399	0.0183	44.7692	-41.7616	0.0149	44.657	45.3015
0.6362	0.0186	45.1003	-42.2031	0.0152	44.5328	45.2326
0.6333	0.0189	44.4381	-42.3686	0.0154	44.5535	45.267
0.6304	0.0192	43.831	-42.4238	0.0158	44.5224	45.2572
0.6266	0.0195	43.831	-42.2031	0.0161	44.4913	45.1932
0.6226	0.0199	42.8929	-41.9271	0.0164	44.512	45.1932
0.6198	0.0202	43.8862	-42.2582	0.0167	44.5535	45.2276
0.6163	0.0206	44.4381	-42.1479	0.0172	44.5535	45.2621
0.6128	0.0209	44.6588	-42.5342	0.0176	44.6415	45.3606
0.6075	0.0213	44.7692	-42.7549	0.0179	44.8899	45.6561
0.6043	0.0217	44.0518	-42.5342	0.0183	45.1281	45.8383
0.5916	0.0222	42.7825	-42.9757	0.019	45.5008	46.1437
0.5657	0.023	39.2506	-43.7483	0.0199	45.8063	46.5475
0.5258	0.0239	37.3192	-44.0794	0.0208	46.2515	47.0449
0.4665	0.025	36.9329	-44.7416	0.0217	46.5258	47.3651
0.3755	0.013	0.8195	-2.7565	0.0069	28.1706	81.6516
0.5474	0.0018	42.4514	-107.9841	-0.0002	18.0583	90.724
0.5315	0.0024	49.0737	-43.8586	-0.0001	16.0549	90.724
0.5516	0.0024	49.0737	-43.3068	-0.0003	16.6709	90.724
0.5692	0.0026	49.2944	-43.4723	-0.0001	18.1826	90.724
0.5842	0.0024	49.7911	-43.4171	-0.0002	22.4897	82.7899
0.5991	0.0024	50.2325	-44.2449	-0.0003	27.708	46.3899
0.6128	0.0026	51.0051	-44.3553	-0.0002	31.192	90.724
0.6272	0.0028	57.3515	-43.7483	-0.0002	34.645	90.724
0.6395	0.0028	56.5789	-44.4657	-0.0002	37.2593	83.2135
0.6515	0.0027	52.8815	-44.6864	-0.0002	39.0867	90.724
0.6627	0.0029	51.5018	-44.9071	-0.0002	40.5259	90.724
0.6743	0.0029	51.1155	-44.2449	-0.0001	41.4939	90.724
0.6849	0.003	50.6188	-44.4657	-0.0002	42.2498	90.724
0.6945	0.0029	50.8396	-44.6312	-0.0002	42.9176	90.724
0.7038	0.0031	50.3981	-44.4657	-0.0001	43.4042	90.724

0.7127	0.003	50.5085	-44.3553	-0.0001	43.6941	90.724
0.7219	0.0031	50.5085	-44.6864	0	44.16	90.724
0.7288	0.0032	50.1222	-44.2449	-0.0001	44.4654	90.724
0.7367	0.0033	49.8462	-45.0727	0	44.6673	90.724
0.7441	0.0033	50.1222	-44.5209	0	44.6622	90.724
0.7501	0.0033	50.3981	-44.9623	0.0001	44.8744	90.724
0.7575	0.0034	50.2325	-44.7968	0.0001	45.0246	90.724
0.7631	0.0035	50.2325	-45.0727	0.0001	45.1074	90.724
0.769	0.0037	50.5637	-44.852	0.0003	45.1488	90.724
0.7744	0.0037	50.2325	-44.3553	0.0002	45.273	90.724
0.7787	0.0038	50.674	-43.1412	0.0002	45.3766	90.724
0.7837	0.0039	50.067	-43.2516	0.0003	45.4232	34.4569
0.7833	0.004	49.5151	-43.6931	0.0005	45.4491	43.6615
0.7876	0.0043	49.9014	-43.362	0.0005	45.5578	45.6216
0.791	0.0043	49.6807	-43.4723	0.0006	45.5836	45.5478
0.7947	0.0043	49.6255	-43.5275	0.0008	45.7079	45.7595
0.7987	0.0044	50.1222	-44.1897	0.0009	45.7752	45.8433
0.8026	0.0044	50.2877	-43.5827	0.001	45.8063	45.858
0.8055	0.0046	50.0118	-43.7483	0.0011	45.8373	45.8925
0.8081	0.0046	50.3429	-43.6379	0.0011	45.8736	45.9664
0.8102	0.0049	49.9566	-43.969	0.0013	45.7131	45.8777
0.8132	0.005	50.5085	-43.9138	0.0014	45.9046	45.9368
0.816	0.005	50.0118	-44.0242	0.0015	45.8632	46.0009
0.8184	0.0052	50.6188	-43.9138	0.0018	45.7959	45.9664
0.8227	0.0053	49.9566	-44.1897	0.0017	45.8114	45.9664
0.8261	0.0054	49.8462	-44.1897	0.0019	45.8736	45.9812
0.8285	0.0057	49.9014	-43.6931	0.0019	45.8891	46.0452
0.8305	0.0058	49.8462	-43.5275	0.0021	45.9564	46.0156
0.8342	0.0059	49.7911	-42.9757	0.0022	46.003	46.055
0.8368	0.006	49.3496	-43.1412	0.0024	46.0651	46.124
0.8386	0.006	50.0118	-43.1412	0.0026	46.1169	46.1634
0.8414	0.0062	49.4599	-43.1412	0.0026	46.2411	46.3062
0.8443	0.0063	49.8462	-43.5275	0.0027	46.1479	46.2422
0.8472	0.0064	49.8462	-43.7483	0.0026	46.2049	46.2422
0.8494	0.0065	49.6255	-43.7483	0.003	46.2877	46.2717
0.8509	0.0065	49.2944	-43.9138	0.003	46.2929	46.3752
0.8526	0.0068	49.4048	-43.8586	0.0033	46.3757	46.4244
0.8562	0.007	48.9081	-44.0242	0.0036	46.3964	46.4096

0.8571	0.007	48.4114	-44.6864	0.0035	46.4378	46.4195
0.8586	0.0072	48.5218	-44.3001	0.0038	46.4016	46.3998
0.8607	0.0074	48.2459	-44.2449	0.0038	46.2359	46.2767
0.8621	0.0074	48.3011	-44.1897	0.004	46.3395	46.3653
0.8639	0.0077	47.8596	-44.7968	0.0041	46.3446	46.3899
0.8656	0.0078	47.8596	-44.2449	0.0042	46.4275	46.454
0.867	0.0079	47.5285	-43.5827	0.0043	46.4585	46.4392
0.8674	0.0081	47.5285	-43.8034	0.0044	46.5362	46.4884
0.868	0.0082	47.1422	-43.9138	0.0045	46.6553	46.6017
0.8697	0.0083	47.3629	-44.1897	0.0049	46.7484	46.7051
0.87	0.0085	47.1422	-44.3553	0.0049	46.7277	46.7691
0.8711	0.0086	47.2525	-44.6312	0.0051	46.7691	46.8332
0.8725	0.0089	47.4181	-44.3001	0.0052	46.8675	46.8775
0.8725	0.0091	47.3629	-44.5208	0.0054	46.9659	46.9957
0.8739	0.0092	47.4181	-44.9072	0.0055	47.0642	47.0597
0.8738	0.0094	47.2525	-44.852	0.0058	47.0849	47.1385
0.8747	0.0096	47.4733	-44.9623	0.006	47.1936	47.2321
0.8755	0.0097	47.1422	-45.1831	0.006	47.2195	47.3257
0.8758	0.0097	47.5836	-45.2383	0.0061	47.3231	47.4636
0.8758	0.01	47.3629	-45.459	0.0066	47.349	47.4192
0.8764	0.0102	47.4733	-45.8453	0.0064	47.4214	47.4882
0.8775	0.0105	47.8044	-45.5694	0.0067	47.556	47.6212
0.8781	0.0105	47.5836	-45.7901	0.0066	47.613	47.6359
0.8784	0.0107	47.6388	-45.459	0.0067	47.6026	47.6753
0.8786	0.0109	47.5285	-45.6246	0.0069	47.7372	47.7591
0.8786	0.0111	47.3629	-46.0109	0.007	47.8408	47.8477
0.8784	0.0113	47.4181	-45.7901	0.0073	47.877	47.9265
0.8794	0.0115	47.4181	-45.3486	0.0074	47.8201	47.8674
0.8791	0.0117	47.2525	-45.5142	0.0075	47.7527	47.7492
0.8793	0.0118	47.7492	-47.9975	0.0079	47.732	47.8034
0.8797	0.0123	47.7492	-71.5065	0.0084	47.644	47.7098
0.8806	0.0124	47.7492	-86.4066	0.0088	47.5457	47.567
0.8812	0.0128	47.8044	-114.6064	0.0089	47.4887	47.4882
0.8833	0.013	47.8596	-110.026	0.0091	47.4266	47.3946
0.8858	0.013	48.0803	-79.398	0.0092	47.4214	47.3995
0.8857	0.0136	48.577	-102.8519	0.0097	47.2195	47.1927
0.8875	0.0138	52.1088	-101.9689	0.0096	47.1626	47.1582
0.8884	0.0139	53.654	-112.2334	0.0099	47.204	47.1385

0.8895	0.0142	54.4818	-108.0393	0.01	47.1936	47.1484
0.8898	0.0145	54.7026	-109.143	0.0102	47.1678	47.1878
0.8901	0.0148	53.8196	-119.2419	0.0104	47.2558	47.2469
0.8916	0.015	53.047	-121.7805	0.0105	47.3386	47.3158
0.8925	0.0152	53.4885	-123.1601	0.0108	47.349	47.3257
0.8942	0.0155	53.8196	-99.5407	0.0111	47.4628	47.4882
0.8958	0.0158	54.8681	-97.5541	0.0113	47.4784	47.4586
0.8956	0.0161	54.5922	-128.789	0.0116	47.3955	47.3404
0.8949	0.0163	53.93	-176.1381	0.0117	47.3697	47.3503

0.2874	0.0004	-13.336	-16.6136	-0.0003	23.0595	22.2128
0.4916	0.0013	42.2858	-104.0659	-0.0007	17.5872	23.2133
0.4488	0.0018	53.93	-47.832	-0.0007	16.7072	23.1838
0.4579	0.0019	58.8967	-47.5009	-0.0007	17.1058	23.3611
0.4652	0.0018	61.9319	-47.5561	-0.0007	17.9341	23.4595
0.4727	0.0019	60.6626	-46.2316	-0.0006	20.1964	23.5679
0.478	0.0018	58.7311	-45.4038	-0.0007	23.9444	24.8533
0.4826	0.0019	50.7292	-48.0527	-0.0007	27.4336	28.1973
0.4867	0.0018	49.8462	-48.7701	-0.0007	31.6734	32.3884
0.4896	0.0018	50.7844	-49.0461	-0.0007	34.8779	35.6733
0.4924	0.0019	51.7777	-49.6531	-0.0007	36.9176	37.7713
0.4945	0.0021	52.2192	-49.2116	-0.0007	38.2791	39.1503
0.4964	0.0023	50.8396	-49.0461	-0.0006	39.2472	40.2633
0.4982	0.0022	50.067	-48.6598	-0.0006	40.0237	41.0316
0.4995	0.0023	49.3496	-48.0527	-0.0005	40.5259	41.6571
0.5017	0.0023	49.1288	-48.6598	-0.0006	41.1367	42.2382
0.5023	0.0024	48.5218	-48.5494	-0.0006	41.4939	42.6224
0.5033	0.0025	49.4048	-48.0527	-0.0005	41.8563	43.0262
0.5029	0.0025	49.3496	-48.0527	-0.0004	42.2083	43.371
0.5036	0.0027	48.4114	-47.6664	-0.0004	42.4258	43.5729
0.505	0.0027	48.2459	-47.1698	-0.0003	42.5863	43.7059
0.5055	0.0028	48.5218	-46.342	-0.0003	42.726	43.8339
0.5047	0.0029	48.6322	-47.2249	-0.0002	42.814	43.9373
0.5069	0.003	48.577	-46.4523	-0.0002	42.8347	43.957
0.5061	0.0031	47.5836	-46.2316	0	42.8865	44.0013
0.5056	0.0032	47.8596	-46.6179	0.0001	42.8762	44.0161
0.5048	0.0033	48.3011	-45.8453	0.0002	42.9227	44.0949
0.5036	0.0034	47.9699	-46.1764	0.0002	42.8969	44.0161

0.5039	0.0036	48.0251	-45.7349	0.0004	42.8296	43.9816
0.5035	0.0037	47.9699	-46.066	0.0005	42.8451	43.9767
0.502	0.0039	47.2525	-45.2383	0.0006	42.8451	43.9619
0.5019	0.004	47.9699	-45.6797	0.0008	42.8606	43.9669
0.5007	0.0041	47.3629	-45.5694	0.0009	42.9331	44.0309
0.4997	0.0042	47.694	-45.6797	0.0011	42.8762	44.0063
0.4985	0.0044	47.9148	-45.4038	0.0012	42.814	43.9176
0.4978	0.0045	48.4666	-45.9005	0.0012	42.8503	43.9669
0.4971	0.0046	48.2459	-45.3486	0.0014	43.0418	44.1737
0.4954	0.0048	47.9699	-45.5142	0.0016	43.1454	44.2377
0.4939	0.0048	47.2525	-45.9005	0.0017	43.2903	44.4397
0.4932	0.005	47.087	-45.6797	0.0018	43.4922	44.5874
0.4918	0.0052	47.0318	-45.9557	0.0021	43.6113	44.7352
0.49	0.0053	45.8177	-46.7835	0.0022	43.7562	44.9026
0.4888	0.0055	46.0936	-46.8938	0.0023	43.8598	45.0356
0.4879	0.0056	47.4733	-46.5075	0.0025	43.9892	45.0848
0.4865	0.0058	46.204	-45.9005	0.0027	44.129	45.1587
0.4851	0.006	46.3696	-46.0109	0.0027	44.2221	45.2523
0.4836	0.0061	46.4799	-46.6179	0.0029	44.3205	45.3705
0.4822	0.0063	46.9214	-46.6731	0.0031	44.3205	45.4099
0.4811	0.0064	46.811	-46.1764	0.0033	44.2843	45.3951
0.4796	0.0065	46.8662	-46.5075	0.0034	44.2843	45.3655
0.477	0.0068	46.9766	-47.3353	0.0037	44.217	45.2867
0.4753	0.0069	47.3077	-46.7283	0.0038	44.072	45.1292
0.4734	0.0071	47.3077	-46.6731	0.0039	43.9685	45.0898
0.4715	0.0073	47.087	-47.1146	0.0041	43.984	45.0454
0.4697	0.0074	47.1422	-46.5627	0.0043	43.8649	44.9765
0.4668	0.0077	46.4799	-46.5075	0.0043	43.8546	45.0159
0.4655	0.0078	46.4799	-46.6179	0.0047	43.7925	44.8977
0.4634	0.008	47.2525	-47.2249	0.0049	43.7925	44.8484
0.4605	0.0082	45.9833	-47.3353	0.0049	43.7252	44.8238
0.4586	0.0084	44.6588	-46.8938	0.0052	43.6475	44.7598
0.4557	0.0086	44.8796	-45.8453	0.0053	43.6682	44.7499
0.4528	0.0088	44.714	-46.8386	0.0055	43.5854	44.681
0.451	0.009	45.8729	-46.7283	0.0058	43.6113	44.7007
0.4478	0.0091	46.4799	-46.066	0.0059	43.5906	44.6268
0.4454	0.0093	46.3696	-45.9557	0.0061	43.663	44.7401
0.4432	0.0095	46.4247	-47.0042	0.0062	43.8805	44.9026

0.441	0.0097	46.3696	-47.1146	0.0065	44.072	44.878
0.4381	0.0099	46.8662	-46.1212	0.0067	44.2118	45.0011
0.4355	0.01	44.6588	-46.2868	0.0068	44.3619	45.1488
0.4336	0.0102	44.7692	-45.7901	0.007	44.4603	45.2276
0.4311	0.0103	44.3277	-45.6797	0.0073	44.5431	45.3557
0.4284	0.0105	44.1621	-46.0109	0.0074	44.7243	45.5034
0.4261	0.0107	44.6036	-45.7349	0.0076	44.8227	45.6019
0.4234	0.011	43.9966	-46.0109	0.0078	44.9624	45.73
0.4202	0.0112	44.2725	-46.0109	0.0081	44.9883	45.8285
0.4177	0.0114	45.0451	-46.7835	0.0084	45.066	45.9171
0.415	0.0117	45.1555	-47.0594	0.0086	45.1488	46.0058
0.4121	0.0119	44.9899	-46.7835	0.0087	45.0556	45.8974
0.4088	0.0122	44.7692	-46.5075	0.0089	44.9987	45.863
0.4071	0.0124	46.1488	-45.6797	0.0092	44.9469	45.7595
0.4042	0.0126	46.7007	-45.9005	0.0094	44.9107	45.7004
0.4018	0.0129	44.6588	-45.7901	0.0097	44.8227	45.6413
0.3983	0.0131	45.1555	-45.9557	0.01	44.745	45.6019
0.3957	0.0134	44.6588	-45.9005	0.0102	44.6932	45.5084
0.3934	0.0136	45.321	-45.6797	0.0103	44.6259	45.3557
0.3902	0.0139	44.8796	-45.7901	0.0107	44.5069	45.272
0.3866	0.0143	45.7073	-45.5142	0.0111	44.4499	45.2375
0.3835	0.0144	44.8244	-45.2383	0.0114	44.4292	45.2375
0.3794	0.0147	44.8796	-46.3972	0.0116	44.3878	45.1784
0.3756	0.015	44.5484	-45.8453	0.0117	44.3878	45.1439
0.3718	0.0153	45.1003	-45.459	0.0122	44.3981	45.1193
0.3676	0.0156	44.107	-45.9557	0.0124	44.4033	45.1488
0.3638	0.0161	43.7207	-47.3905	0.0128	44.2532	45.0159
0.3598	0.0163	43.4999	-46.5627	0.0131	44.1911	44.9666
0.3557	0.0167	43.9966	-46.0109	0.0135	44.2894	45.075
0.3511	0.0171	43.5551	-47.6664	0.0138	44.1807	44.9962
0.3476	0.0173	43.8862	-46.8938	0.014	44.2998	45.0503
0.3439	0.0176	43.6655	-47.0594	0.0143	44.4862	45.2326
0.34	0.018	43.1136	-46.7835	0.0147	44.6363	45.3902
0.3363	0.0182	43.1688	-47.1146	0.015	44.8019	45.4985
0.3326	0.0185	43.3344	-47.3905	0.0153	44.9107	45.6167
0.3288	0.0189	43.1136	-47.1146	0.0157	45.0711	45.8088
0.3245	0.0192	43.224	-47.6112	0.016	45.2264	45.9467
0.3206	0.0196	43.0584	-46.949	0.0165	45.2575	45.9861

0.3171	0.02	43.0033	-47.6664	0.0169	45.3145	46.0156
0.3123	0.0204	43.0584	-47.4457	0.0174	45.4025	46.0747
0.2989	0.021	42.341	-47.3905	0.0178	45.3973	46.0797
0.2615	0.022	43.224	-47.832	0.0189	45.7855	46.4539
0.2007	0.0231	42.341	-48.2183	0.0193	45.858	46.5377
0.2815	0.0095	-1.9618	-4.7432	0.0072	26.279	25.4574
0.503	0.0017	44.2173	-109.6397	-0.0002	19.1092	22.1495
0.4693	0.0021	47.4181	-49.8186	-0.0002	17.6079	22.8883
0.4874	0.0023	48.7977	-48.5494	-0.0002	17.8823	23.2232
0.5034	0.0022	48.6322	-50.0394	-0.0003	18.2447	23.43
0.5179	0.0023	48.9633	-50.2601	-0.0002	19.9686	23.7403
0.5312	0.0022	50.3981	-49.7635	-0.0003	23.9703	24.4396
0.543	0.0023	52.7711	-49.6531	-0.0002	26.9832	27.7048
0.5542	0.0023	52.6055	-51.695	-0.0002	30.7623	32.3342
0.5648	0.0023	49.4048	-52.0813	-0.0002	33.8167	36.0082
0.5748	0.0024	50.1222	-53.0746	-0.0001	35.9909	38.3919
0.5835	0.0024	51.1707	-52.4124	-0.0001	37.3939	39.9826
0.5928	0.0025	51.6674	-52.8539	-0.0002	38.4965	40.8888
0.6017	0.0027	51.3363	-52.1916	0	39.3507	41.8048
0.61	0.0028	50.8948	-51.8605	-0.0001	40.1117	42.5436
0.6178	0.0028	50.3981	-52.5227	0	40.7433	43.1493
0.6259	0.0029	50.1774	-52.0813	0	41.173	43.6369
0.632	0.003	50.0118	-52.1916	0.0001	41.3593	43.9324
0.6389	0.0031	49.8462	-52.302	0.0001	41.5975	44.1885
0.6454	0.0031	50.0118	-52.4124	0.0001	41.6958	44.3609
0.6513	0.0033	49.9014	-52.7987	0.0003	41.7631	44.5234
0.6564	0.0034	49.4048	-52.7435	0.0004	41.7942	44.6317
0.6616	0.0035	49.6807	-52.5227	0.0004	41.877	44.6613
0.666	0.0036	49.2944	-52.9642	0.0004	42.0116	44.7155
0.6707	0.0038	49.4048	-52.7987	0.0005	42.0893	44.7105
0.6748	0.004	49.2392	-52.302	0.0007	42.141	44.809
0.6789	0.0042	49.2392	-52.5227	0.001	42.2135	44.814
0.6826	0.0044	49.184	-51.9157	0.0012	42.1566	44.7204
0.6862	0.0047	48.9081	-52.0261	0.0012	42.2083	44.8435
0.6897	0.0047	48.9633	-51.9157	0.0014	42.3274	44.7844
0.6925	0.0049	48.9081	-52.9642	0.0016	42.4827	44.7992
0.6956	0.005	49.0737	-52.6331	0.0018	42.4517	44.7992

0.6989	0.0052	48.8529	-52.5227	0.0018	42.4413	44.8583
0.7018	0.0054	49.184	-52.7435	0.0021	42.5241	44.9322
0.7043	0.0055	49.2392	-52.2468	0.0023	42.55	44.9322
0.7072	0.0058	49.3496	-52.7987	0.0022	42.4775	44.878
0.7092	0.0059	48.9081	-52.4676	0.0025	42.3947	44.8386
0.7116	0.0063	48.7977	-51.8605	0.0028	42.3636	44.8977
0.7131	0.0064	48.4666	-52.1364	0.0029	42.3533	44.9174
0.7146	0.0066	48.3562	-51.9157	0.0031	42.3481	44.9322
0.7167	0.0067	48.7425	-51.419	0.0032	42.2549	44.8386
0.7183	0.0069	48.6874	-51.5846	0.0034	42.2601	44.878
0.7201	0.0071	48.7425	-51.2535	0.0036	42.2394	44.9469
0.7219	0.0072	48.6322	-51.4742	0.0037	42.2032	44.9716
0.7228	0.0074	48.9081	-50.8672	0.0039	42.1825	44.9617
0.7233	0.0076	48.7977	-51.419	0.004	42.2342	44.9863
0.7235	0.0078	48.6874	-51.3638	0.0041	42.4102	45.2178
0.7251	0.0079	48.0803	-52.1916	0.0045	42.7001	45.336
0.725	0.008	48.0251	-52.4675	0.0044	42.9176	45.5231
0.7254	0.0082	48.4114	-51.8053	0.0046	43.1298	45.7448
0.7265	0.0084	48.0803	-51.695	0.0047	43.3007	45.8088
0.7276	0.0086	48.1355	-51.8053	0.0051	43.4145	45.9615
0.7272	0.0087	47.4733	-52.3572	0.0052	43.6113	46.06
0.7276	0.0089	47.5285	-52.1916	0.0054	43.8028	46.2225
0.7291	0.009	47.1422	-52.6883	0.0056	43.8235	46.1831
0.7289	0.0093	47.3077	-52.6883	0.0058	44.072	46.2028
0.7292	0.0094	47.3077	-52.0261	0.006	43.896	46.1683
0.7284	0.0096	47.1422	-52.1916	0.0061	43.808	46.1289
0.729	0.0098	47.0318	-47.3353	0.0063	43.7925	45.9861
0.7288	0.0099	46.9766	-46.2316	0.0065	43.6837	45.863
0.7278	0.0101	47.1422	-45.9557	0.0067	43.5025	45.7645
0.7279	0.0103	46.7007	-46.2316	0.0069	43.456	45.7054
0.7271	0.0106	46.5903	-46.0109	0.0071	43.4146	45.7103
0.7266	0.0107	46.6455	-46.066	0.0072	43.2799	45.6807
0.726	0.011	46.8111	-45.8453	0.0075	43.2644	45.7054
0.7253	0.0111	46.5903	-46.0109	0.0077	43.0625	45.4493
0.7243	0.0113	46.5351	-46.342	0.0079	43.0832	45.4345
0.7233	0.0117	46.4247	-46.6731	0.0081	43.135	45.4936
0.722	0.0117	46.2592	-47.3353	0.0084	43.0988	45.4099
0.7211	0.012	46.204	-47.4457	0.0086	43.0884	45.4197

0.7196	0.0123	46.204	-47.9423	0.0089	43.368	45.4148
0.7186	0.0125	46.3144	-48.0527	0.009	43.3731	45.4
0.7168	0.0127	45.8729	-47.832	0.0092	43.3162	45.4493
0.7155	0.0128	45.7073	-48.1631	0.0095	43.1868	45.4197
0.7139	0.0131	45.8177	-48.3838	0.0097	43.135	45.469
0.7119	0.0133	45.7625	-48.3286	0.0098	43.1505	45.5034
0.7098	0.0135	45.8177	-48.6046	0.0101	43.1609	45.5675
0.7081	0.0137	45.8729	-48.7701	0.0103	43.1816	45.5133
0.7069	0.0141	46.204	-49.2116	0.0106	43.2334	45.5675
0.7041	0.0143	46.0385	-49.5979	0.011	43.2696	45.5822
0.7023	0.0146	46.7007	-48.2735	0.0112	43.3214	45.6512
0.6995	0.0148	47.7492	-49.0461	0.0111	43.1712	45.666
0.6974	0.0151	48.0251	-48.1631	0.0115	43.2385	45.7694
0.6946	0.0154	47.8596	-47.4457	0.0118	43.2748	45.8186
0.6922	0.0157	47.694	-47.1146	0.0122	43.368	45.9812
0.6892	0.0158	46.8662	-46.5075	0.0123	43.3628	45.9368
0.6863	0.0161	46.6455	-46.342	0.0126	43.5388	46.0156
0.6829	0.0165	45.9833	-55.2268	0.0129	43.751	46.1831
0.6847	0.0166	45.6522	-62.9528	0.0127	43.9478	46.3752
0.6858	0.0169	45.3762	-64.1669	0.0131	44.129	46.5278
0.6868	0.017	45.7073	-64.7187	0.0133	44.4292	46.715
0.6881	0.0173	45.7625	-64.4428	0.0136	44.6415	46.8085
0.6895	0.0176	45.321	-67.0917	0.0139	44.8744	46.9317
0.6897	0.0178	45.597	-67.6435	0.0141	44.9469	46.9957
0.6909	0.0184	45.6522	-67.478	0.0148	44.9831	46.9908
0.6915	0.0187	45.8177	-67.6435	0.015	44.9417	47.0597
0.6927	0.019	46.0385	-69.2991	0.0154	44.8796	47.0449
0.6935	0.0193	45.4866	-71.2858	0.0156	44.7295	47.0105
0.695	0.0195	45.6522	-72.4447	0.0159	44.6363	47.0055
0.696	0.0199	45.5418	-71.8928	0.0162	44.5845	46.9317
0.6967	0.0204	45.8177	-71.4513	0.0166	44.7295	46.7691
0.6978	0.0207	46.2592	-71.3962	0.0171	44.6052	46.6165
0.6981	0.021	45.9281	-70.5684	0.0173	44.5845	46.6263
0.6986	0.0215	46.6455	-70.5132	0.0179	44.3878	46.646
0.6977	0.022	46.3696	-70.1269	0.0184	44.5793	46.6559
0.698	0.0224	46.2592	-71.5617	0.0186	44.6932	46.6411
0.6978	0.0227	46.4799	-72.555	0.019	44.6208	46.6017
0.6982	0.0231	46.4799	-72.831	0.0194	44.6104	46.6115

0.6966	0.0234	46.3696	-87.2896	0.0197	44.4913	46.4687
0.6919	0.0241	47.3077	-136.9013	0.0201	44.1082	46.2767

0.2149	0.0007	-10.256	-18.8983	0	23.614	23.1436
0.4896	0.0017	35.4428	-96.1744	-0.0005	14.7244	23.1739
0.4434	0.0021	38.754	-37.0156	-0.0004	15.9306	23.0803
0.4625	0.0022	39.5818	-37.4019	-0.0004	16.2154	23.3266
0.4792	0.0022	40.4647	-37.7882	-0.0004	16.9764	23.4251
0.4951	0.0022	41.0718	-39.2782	-0.0004	19.394	23.7895
0.5099	0.0022	42.0651	-41.7064	-0.0004	25.3422	26.3406
0.5226	0.0023	43.1136	-42.2582	-0.0004	30.079	30.8174
0.5338	0.0025	49.1288	-42.479	-0.0005	34.4017	35.1119
0.5441	0.0026	48.1907	-43.2516	-0.0004	36.959	37.599
0.5541	0.0026	47.3077	-43.9138	-0.0005	38.4085	39.0026
0.5642	0.0026	46.3144	-44.3553	-0.0004	39.3818	39.9728
0.5741	0.0026	45.3762	-44.3001	-0.0003	40.1117	40.7608
0.5841	0.0026	44.9347	-44.4105	-0.0005	40.7122	41.4256
0.5934	0.0026	44.1621	-45.1831	-0.0004	41.0953	41.7999
0.6024	0.0026	44.0518	-45.7901	-0.0005	41.5146	42.2579
0.6109	0.0027	44.2173	-46.6731	-0.0004	41.7579	42.5189
0.6192	0.0026	43.9414	-46.2316	-0.0004	41.8822	42.8785
0.6262	0.0026	44.1621	-45.9005	-0.0005	42.3119	43.2232
0.6335	0.0026	43.7207	-45.4038	-0.0004	42.6277	43.2281
0.6397	0.0026	43.6103	-45.2934	-0.0004	42.814	43.4005
0.6472	0.0025	43.7207	-44.6312	-0.0005	43.0677	43.6566
0.6536	0.0026	43.9414	-43.6931	-0.0004	43.2955	44.0358
0.6591	0.0026	43.3896	-43.3068	-0.0003	43.4508	44.1885
0.6653	0.0026	43.1688	-43.0308	-0.0004	43.5647	44.3165
0.671	0.0026	42.8929	-43.3068	-0.0004	43.6268	44.42
0.6756	0.0026	42.6721	-43.9138	-0.0005	43.72	44.484
0.6808	0.0026	42.8929	-44.1897	-0.0004	43.7303	44.5037
0.6856	0.0026	43.0584	-44.9623	-0.0004	43.751	44.4101
0.6904	0.0028	42.7825	-44.3001	-0.0003	43.632	44.2919
0.694	0.0027	42.8929	-44.1346	-0.0003	43.663	44.3461
0.6989	0.0027	42.9481	-44.0794	-0.0004	43.8339	44.4889
0.7027	0.0028	43.224	-44.576	-0.0003	43.8287	44.4594
0.7074	0.0028	43.2792	-43.9138	-0.0003	43.8856	44.4643
0.7107	0.0029	42.5066	-43.7483	-0.0003	43.9478	44.6022

0.7133	0.0028	42.1203	-44.4657	-0.0004	44.0306	44.6367
0.7169	0.0029	42.0099	-44.4657	-0.0004	43.9788	44.681
0.719	0.0028	41.8444	-44.1346	-0.0004	44.0565	44.6908
0.7211	0.0028	41.8444	-44.576	-0.0004	44.1238	44.745
0.7248	0.0028	41.5684	-44.7416	-0.0001	44.1548	44.7795
0.7271	0.0028	41.8995	-44.6864	-0.0003	44.1341	44.7352
0.73	0.0027	41.6788	-44.7416	-0.0002	43.9529	44.5923
0.7322	0.0029	41.8444	-44.4105	-0.0003	44.0202	44.5776
0.7345	0.003	41.7892	-44.0794	-0.0002	43.9685	44.6367
0.736	0.003	41.8995	-43.4171	-0.0001	43.9995	44.5973
0.7383	0.0031	42.617	-43.086	-0.0002	44.0254	44.5135
0.7401	0.0032	42.617	-43.2516	-0.0002	43.9374	44.5431
0.742	0.0032	41.8995	-43.5827	-0.0002	43.8856	44.4594
0.743	0.0033	42.1203	-43.4171	-0.0002	43.9063	44.4643
0.7454	0.0034	41.8995	-43.5275	0	43.9685	44.5529
0.7465	0.0034	41.5684	-43.362	0	43.9374	44.5726
0.7477	0.0033	41.6788	-43.5827	0	43.7873	44.4544
0.7505	0.0033	41.1821	-43.362	0	43.7717	44.42
0.7509	0.0033	41.3477	-43.5827	0.0001	43.8391	44.484
0.7522	0.0034	41.3477	-43.6931	0.0002	43.8183	44.4594
0.753	0.0034	41.1821	-43.8586	0.0002	43.839	44.4643
0.7539	0.0035	41.1269	-43.8586	0.0003	43.8442	44.4397
0.7542	0.0035	41.1821	-44.0794	0.0003	43.8287	44.4249
0.7556	0.0037	41.4029	-43.9138	0.0004	43.8856	44.4495
0.7555	0.0038	41.2925	-44.0242	0.0004	43.808	44.3609
0.7569	0.0039	42.341	-43.3068	0.0004	43.8287	44.4495
0.7569	0.0038	41.2373	-43.2516	0.0006	43.8701	44.4741
0.757	0.0039	40.5751	-42.9757	0.0005	43.9115	44.5185
0.7573	0.0039	40.7406	-43.1412	0.0007	43.8856	44.5234
0.7575	0.004	40.9614	-42.9757	0.0008	44.0151	44.6317
0.7585	0.0041	41.1821	-42.8653	0.0008	43.9063	44.4692
0.7576	0.0041	41.5132	-42.3134	0.0009	44.0668	44.7056
0.7581	0.0042	41.0718	-42.8653	0.001	44.0617	44.745
0.7584	0.0043	41.5684	-43.1964	0.0011	44.1082	44.7401
0.7568	0.0045	41.2373	-43.5827	0.0012	44.1134	44.7598
0.7571	0.0045	41.2373	-43.3068	0.0012	44.1082	44.7844
0.7567	0.0046	41.0166	-43.0308	0.0014	44.1238	44.7795
0.7575	0.0048	41.4581	-42.7549	0.0015	44.0668	44.7352

0.7564	0.0048	41.5132	-42.5894	0.0017	43.9944	44.5874
0.756	0.005	41.4029	-42.1479	0.0017	44.0151	44.5579
0.7556	0.0051	42.1203	-41.4857	0.0019	44.1807	44.7647
0.7546	0.0055	43.3895	-41.1545	0.0021	44.2532	44.8287
0.7545	0.0055	42.8377	-41.5408	0.0022	44.3101	44.8878
0.7538	0.0056	41.8444	-41.5408	0.0023	44.3619	44.9617
0.7529	0.0058	43.7207	-40.7131	0.0025	44.3516	44.9469
0.7525	0.0059	42.4514	-41.4305	0.0026	44.3153	44.9617
0.7518	0.0062	42.5618	-41.8168	0.0028	44.3567	44.9666
0.7511	0.0063	42.8377	-41.7616	0.003	44.3619	44.9223
0.7495	0.0066	43.3895	-41.872	0.0031	44.4447	45.0257
0.7492	0.0068	42.2858	-41.596	0.0035	44.4706	45.0159
0.7474	0.007	42.9481	-41.6512	0.0037	44.424	44.9814
0.7459	0.0071	42.2307	-42.0375	0.0039	44.4033	44.9962
0.7441	0.0074	42.5618	-42.4238	0.0041	44.5069	45.0356
0.7435	0.0076	43.0033	-41.8168	0.0041	44.4706	45.0011
0.742	0.0079	42.617	-41.872	0.0046	44.4137	44.9568
0.74	0.008	41.2373	-42.0375	0.0047	44.3671	44.8189
0.7382	0.0083	40.7407	-41.4857	0.0048	44.5276	45.075
0.7373	0.0085	42.6721	-41.5408	0.0051	44.4758	44.9863
0.7349	0.0088	43.224	-41.5408	0.0054	44.5483	45.0799
0.7327	0.0091	42.7273	-41.0994	0.0057	44.569	45.1045
0.7317	0.0093	42.7273	-41.2649	0.006	44.5276	45.075
0.7296	0.0096	42.5618	-40.8786	0.0061	44.4862	45.07
0.7279	0.0098	42.2307	-41.5408	0.0066	44.3567	44.9666
0.7263	0.0102	42.1755	-41.8168	0.0069	44.393	45.0109
0.7245	0.0104	42.4514	-42.0927	0.0072	44.3723	44.9666
0.7221	0.0107	42.4514	-42.2031	0.0076	44.4603	45.0553
0.7192	0.0111	42.8377	-42.2582	0.0079	44.4447	44.9519
0.7163	0.0115	43.1136	-41.8168	0.0082	44.512	45.0405
0.715	0.012	43.2792	-41.0442	0.0087	44.6156	45.1144
0.7125	0.0124	43.3344	-41.0442	0.009	44.7191	45.2129
0.7097	0.0127	43.4447	-41.1545	0.0095	44.8796	45.2966
0.7064	0.0132	43.1136	-40.6579	0.0098	44.9262	45.4099
0.7015	0.0135	42.9481	-40.9338	0.0103	44.8951	45.4394
0.6882	0.0141	40.6855	-42.0927	0.0109	45.1126	45.5822
0.665	0.0147	37.5399	-43.8034	0.0117	45.4646	45.9615
0.631	0.0155	38.3125	-44.6864	0.0122	45.6199	46.188

0.5823	0.016	37.264	-79.8947	0.0125	45.4283	45.9565
0.2556	0.0026	-73.78	-87.5379	0.0018	30.2207	27.6736
0.5294	0.0019	37.9814	-125.5883	-0.0004	22.2775	25.0355
0.4935	0.0027	37.9814	-47.9423	-0.0002	21.18	25.5083
0.5121	0.0028	39.361	-46.342	0	18.2965	25.6955
0.5286	0.0028	39.1955	-46.066	0	18.8814	25.9122
0.5435	0.0028	41.2373	-46.1212	-0.0001	21.0195	26.0944
0.5569	0.0029	41.5132	-46.2316	0	26.4086	27.6063
0.5689	0.003	42.2858	-47.2801	-0.0003	30.9953	31.5216
0.5818	0.0032	47.4733	-46.8938	-0.0002	35.2972	35.6536
0.5931	0.0033	46.1488	-48.1631	-0.0001	38.0099	38.4805
0.6036	0.0033	45.597	-48.0527	-0.0001	39.7286	40.2436
0.6136	0.0033	45.1003	-47.8872	-0.0002	40.8468	41.268
0.6228	0.0034	44.9347	-48.6046	-0.0001	41.7217	42.1742
0.6321	0.0034	44.8796	-48.2735	0	42.4931	42.9277
0.6399	0.0035	45.2107	-48.3286	-0.0001	43.0108	43.5089
0.6485	0.0035	44.714	-48.0527	0	43.4767	43.9718
0.6565	0.0035	44.3277	-47.9975	-0.0001	43.8442	44.351
0.6637	0.0035	44.1621	-47.3905	0.0001	44.16	44.6711
0.6707	0.0035	44.107	-47.6664	0	44.424	44.9765
0.6775	0.0036	43.9966	-47.832	0	44.6518	45.2424
0.6839	0.0036	43.9414	-47.9423	0	44.7864	45.3852
0.6898	0.0037	43.3896	-48.6046	0.0001	44.8589	45.4296
0.6948	0.0038	43.6103	-49.0461	0.0001	44.9831	45.4837
0.7006	0.0038	43.5551	-48.8253	0.0002	45.0763	45.6118
0.7051	0.0039	43.7207	-48.1631	0.0001	45.1229	45.6857
0.7099	0.0039	43.1136	-47.6664	0.0002	45.1591	45.661
0.7152	0.004	42.6721	-47.1146	0.0003	45.2057	45.7645
0.7202	0.004	42.617	-48.1079	0.0002	45.2368	45.7497
0.7241	0.0041	42.3962	-47.832	0.0002	45.2782	45.8334
0.7279	0.0042	42.1755	-47.9423	0.0002	45.3921	45.8827
0.7314	0.0042	41.6788	-47.8872	0.0005	45.4542	45.9615
0.735	0.0043	41.5132	-47.8872	0.0005	45.4853	46.0058
0.7369	0.0043	41.4581	-47.6664	0.0006	45.5319	46.055
0.7406	0.0044	41.4029	-47.7216	0.0007	45.5474	46.0895
0.7437	0.0044	41.1269	-47.8872	0.0006	45.5681	46.1338
0.7462	0.0046	41.0718	-48.0527	0.0007	45.5112	46.1092

0.7477	0.0047	40.7406	-48.2735	0.0009	45.5837	46.1338
0.7501	0.0048	41.0166	-48.1631	0.001	45.5629	46.1092
0.7519	0.0049	40.9062	-48.6598	0.0011	45.5578	46.0994
0.7536	0.005	40.9614	-48.2735	0.0011	45.6095	46.06
0.7559	0.0049	40.6855	-47.556	0.0012	45.594	46.1782
0.7577	0.0051	40.5751	-47.4457	0.0013	45.5785	46.1092
0.7585	0.0052	40.7406	-47.6112	0.0014	45.6147	46.1388
0.7596	0.0053	40.1888	-47.7768	0.0014	45.6717	46.2077
0.7616	0.0053	40.1336	-47.0594	0.0016	45.682	46.252
0.7628	0.0055	40.7958	-47.2801	0.0017	45.8063	46.3062
0.7631	0.0056	40.3544	-47.1146	0.0018	45.7286	46.2274
0.7637	0.0057	40.244	-47.3353	0.0019	45.5629	46.1338
0.7642	0.0059	40.1888	-47.2249	0.0019	45.739	46.2865
0.7647	0.0059	40.1336	-47.1146	0.0022	45.7234	46.2914
0.7654	0.0061	40.3544	-46.8386	0.0021	45.5836	46.1388
0.7658	0.0062	40.2992	-47.4457	0.0024	45.594	46.1388
0.7663	0.0063	40.5199	-47.4457	0.0025	45.5422	46.0994
0.7666	0.0064	40.2992	-48.0527	0.0027	45.5629	46.1289
0.7667	0.0066	40.7406	-47.4457	0.0028	45.5164	46.0994
0.7672	0.0067	40.3544	-47.6664	0.0029	45.4853	46.0846
0.7666	0.0068	40.3544	-46.949	0.003	45.506	46.1338
0.7668	0.007	39.6369	-46.2868	0.0032	45.4853	46.0944
0.7669	0.0071	39.8577	-46.5075	0.0033	45.4439	46.06
0.7664	0.0072	39.9129	-46.5627	0.0034	45.3973	45.9812
0.766	0.0074	39.8025	-46.2868	0.0036	45.5267	46.1486
0.7658	0.0075	39.4714	-46.7283	0.004	45.5267	46.1585
0.7656	0.0077	40.0232	-46.1212	0.004	45.5267	46.1634
0.7651	0.0079	39.7473	-46.5627	0.0041	45.4801	46.0698
0.7642	0.0081	40.0232	-46.6179	0.0042	45.3403	45.9565
0.7635	0.0082	40.4647	-46.8938	0.0045	45.4232	46.0353
0.7633	0.0082	40.5199	-46.6731	0.0045	45.4283	46.0353
0.7614	0.0085	39.8025	-46.7835	0.0048	45.3403	45.991
0.7611	0.0087	40.2992	-47.0594	0.0049	45.33	45.9664
0.7609	0.0089	41.1269	-46.7835	0.0052	45.1591	45.8531
0.76	0.0091	40.7958	-47.0594	0.0054	45.185	45.7989
0.7594	0.0092	40.6855	-46.6179	0.0055	45.0918	45.7398
0.7581	0.0095	40.4647	-46.5075	0.0056	45.1591	45.7103
0.7575	0.0097	40.244	-46.3972	0.0059	45.1384	45.7842

0.756	0.0098	40.4647	-46.1212	0.0059	45.2057	45.794
0.7542	0.01	40.6303	-46.2316	0.0062	45.1643	45.8137
0.7533	0.0103	40.4647	-45.9557	0.0065	45.2886	45.8482
0.7516	0.0105	40.7958	-46.0109	0.0068	45.185	45.8482
0.7506	0.0107	40.2992	-46.1212	0.0069	45.185	45.8433
0.7492	0.0109	40.7958	-46.066	0.0073	45.154	45.8236
0.7474	0.0112	40.4095	-46.3972	0.0074	45.1022	45.8039
0.746	0.0114	40.5751	-46.5627	0.0076	45.0918	45.7743
0.7443	0.0116	40.9062	-45.7349	0.008	45.066	45.73
0.7412	0.0119	40.9614	-45.8453	0.0083	44.9831	45.6216
0.741	0.0123	40.5199	-45.7901	0.0085	44.9831	45.6167
0.7388	0.0123	40.6303	-46.0109	0.0087	45.009	45.6266
0.7364	0.0127	40.5199	-46.2316	0.009	45.0038	45.6019
0.7342	0.013	40.6855	-45.6797	0.0092	45.0038	45.6069
0.7324	0.0131	40.6855	-45.7901	0.0094	45.0763	45.6019
0.7303	0.0134	40.6855	-45.9005	0.0096	45.0453	45.6019
0.7277	0.0136	40.7958	-45.7901	0.0099	45.066	45.5822
0.7253	0.014	40.851	-45.5142	0.0102	45.0246	45.5625
0.7223	0.0142	40.2992	-45.8453	0.0107	45.0194	45.6019
0.7203	0.0145	40.6303	-46.0109	0.0108	44.9728	45.5231
0.7185	0.0149	41.1821	-45.7349	0.0112	44.9624	45.5478
0.7162	0.0152	41.1821	-46.342	0.0115	44.9365	45.4887
0.7134	0.0156	41.2373	-46.0109	0.012	44.8899	45.4887
0.7105	0.0158	41.2925	-45.9005	0.0122	44.8899	45.4739
0.7081	0.0162	41.5684	-46.2316	0.0126	44.8951	45.5133
0.7054	0.0166	41.734	-45.6797	0.0131	44.8485	45.3754
0.7022	0.0169	41.3477	-45.5694	0.0133	44.7398	45.3212
0.6995	0.0173	41.1821	-45.6797	0.0137	44.8227	45.3705
0.6964	0.0178	41.0166	-45.5142	0.014	44.8485	45.4246
0.6935	0.0181	41.1821	-45.5142	0.0146	44.8848	45.4591
0.6897	0.0185	41.6788	-45.5142	0.0148	44.9573	45.4739
0.6856	0.0189	41.2373	-45.6797	0.0152	45.0349	45.6118
0.6821	0.0193	41.2373	-45.8453	0.0159	45.0608	45.6709
0.6722	0.02	40.2992	-46.342	0.0166	45.2937	45.9122
0.6522	0.0207	38.478	-47.5009	0.0174	45.5681	46.252
0.6198	0.0216	37.3743	-48.5494	0.0183	45.7959	46.5081
0.5731	0.0226	36.9328	-49.1564	0.0189	45.9719	46.6706

0.2092	0.0086	-31.514	-38.7153	0.0074	86.2099	25.1161
0.506	0.0019	46.3696	-121.8357	-0.0006	95.7888	24.7745
0.4558	0.0024	50.2325	-44.9623	-0.0004	95.7888	25.0454
0.4744	0.0024	49.0185	-45.1831	-0.0004	95.7888	25.0552
0.491	0.0026	48.5218	-44.7968	-0.0004	95.7888	25.1143
0.5061	0.0027	48.5218	-44.9623	-0.0003	95.7888	25.1734
0.5197	0.0027	46.8111	-45.6246	-0.0004	95.7888	25.8974
0.5322	0.0029	46.9766	-45.2383	-0.0003	95.7888	29.8964
0.5431	0.0028	45.9833	-45.6797	-0.0004	95.7888	34.2796
0.5536	0.0028	45.1003	-46.6179	-0.0004	95.7888	37.072
0.5642	0.0029	44.3277	-46.4523	-0.0003	95.7888	38.4904
0.5736	0.0029	44.3277	-46.6179	-0.0004	95.7888	39.5886
0.5828	0.003	44.0518	-46.4523	-0.0004	95.7888	40.3963
0.5925	0.0031	43.4447	-46.4523	-0.0003	95.7888	40.9528
0.602	0.0032	43.3895	-46.4523	-0.0001	95.7888	41.4404
0.6107	0.0032	43.1136	-46.2868	-0.0003	95.7888	41.8393
0.6191	0.0033	42.6721	-45.6797	-0.0002	95.7888	42.1102
0.627	0.0033	42.3962	-45.5142	-0.0003	95.7888	42.3909
0.6339	0.0033	42.6721	-45.4038	-0.0002	95.7888	42.5534
0.6415	0.0033	42.4514	-45.5694	-0.0003	95.7888	42.7504
0.648	0.0034	41.8995	-45.5694	-0.0001	95.7888	42.8932
0.6554	0.0035	42.2858	-45.4038	-0.0002	95.7888	43.0607
0.6612	0.0035	42.1203	-45.7901	-0.0001	95.7888	43.0755
0.667	0.0036	41.6788	-45.4038	-0.0001	95.7888	43.1247
0.6718	0.0035	41.4029	-45.3486	-0.0001	95.7888	43.1986
0.6763	0.0037	41.8444	-45.0727	-0.0001	95.7888	43.3119
0.6829	0.0037	41.2925	-45.2934	0	95.7888	43.2429
0.6874	0.0038	41.1269	-45.7901	0	95.7888	43.3808
0.6925	0.0037	41.0166	-45.6246	0	95.7888	43.7354
0.6975	0.0037	40.851	-46.0109	0	95.7888	43.9964
0.7015	0.0036	40.7958	-46.0109	0.0001	95.7888	44.1737
0.7056	0.0037	40.2992	-45.9005	0.0001	95.7888	44.3953
0.7096	0.0038	40.244	-45.5694	0	95.7888	44.5628
0.7135	0.0038	40.5751	-46.6179	0.0001	95.7888	44.7499
0.7179	0.0038	40.5751	-45.7349	0.0002	95.7888	44.8681
0.7216	0.0039	40.1336	-46.8386	0.0001	95.7888	44.9174

0.7254	0.004	40.3544	-46.5075	0.0003	95.7888	44.9617
0.7284	0.0041	40.1336	-46.5075	0.0004	95.7888	44.8878
0.7316	0.0041	39.6369	-46.6731	0.0004	95.7888	44.809
0.735	0.0043	39.6921	-46.1212	0.0003	95.7888	44.7401
0.7382	0.0043	40.0232	-46.7835	0.0004	95.7888	44.681
0.741	0.0044	39.8577	-46.066	0.0006	95.7888	44.5825
0.7425	0.0045	39.6369	-46.342	0.0006	95.7888	44.5185
0.7461	0.0045	39.7473	-45.9005	0.0005	95.7888	44.3953
0.7484	0.0045	39.8025	-45.6797	0.0007	95.7888	44.3067
0.7508	0.0047	39.9129	-46.2316	0.0008	95.7888	44.223
0.7529	0.0047	40.0784	-45.7349	0.0008	95.7888	44.0506
0.7547	0.0048	40.2992	-45.1279	0.001	95.7888	43.8832
0.7565	0.0049	40.0784	-45.6797	0.001	95.7888	43.9028
0.7584	0.0049	40.1888	-45.459	0.001	95.7888	43.8831
0.7606	0.005	40.2992	-45.3486	0.0012	95.7888	43.7896
0.7616	0.0052	39.9681	-45.4038	0.0012	95.7888	43.765
0.764	0.0053	39.7473	-45.5142	0.0012	95.7888	43.6714
0.7656	0.0054	40.5199	-45.1279	0.0013	95.7888	43.6517
0.7669	0.0054	40.1336	-45.2934	0.0013	95.7888	43.6467
0.7678	0.0056	40.6855	-45.2383	0.0015	95.7888	43.6517
0.7686	0.0056	40.2992	-45.4038	0.0017	95.7888	43.6073
0.7699	0.0057	40.1888	-45.459	0.0018	95.7888	43.6172
0.7711	0.0058	40.244	-45.4038	0.0019	95.7888	43.5236
0.7717	0.006	40.4647	-45.3486	0.002	95.7888	43.4645
0.773	0.0061	40.5199	-45.1279	0.0021	95.7888	43.5729
0.773	0.0062	40.6303	-45.1831	0.0022	95.7888	43.568
0.7748	0.0063	40.0232	-44.9071	0.0024	95.7888	43.5877
0.7751	0.0064	40.6303	-44.9623	0.0025	95.7888	43.6468
0.7757	0.0065	40.2992	-45.2934	0.0024	95.7888	43.7452
0.7753	0.0066	40.0232	-45.2383	0.0029	95.7888	44.0013
0.7761	0.0067	40.4095	-45.2383	0.0029	95.7888	44.2377
0.7761	0.0069	40.0784	-45.6246	0.003	95.7888	44.3904
0.7759	0.007	40.244	-45.5142	0.0032	95.7888	44.5973
0.7755	0.007	39.6369	-46.0109	0.0034	95.7888	44.7253
0.775	0.0073	40.244	-46.0109	0.0034	95.7888	44.8977
0.7748	0.0076	40.1888	-46.342	0.0037	95.7888	45.0307
0.7752	0.0077	40.1888	-45.7349	0.0039	95.7888	45.0897
0.7742	0.0078	39.968	-46.2316	0.0042	95.7888	45.0504

0.7737	0.0081	39.9681	-45.7901	0.0043	95.7888	45.0504
0.7749	0.0084	40.1336	-45.4038	0.0045	95.7888	45.0159
0.7745	0.0085	40.0784	-45.0727	0.0047	95.7888	44.9863
0.774	0.0087	40.1336	-45.5694	0.0049	95.7888	44.9322
0.7736	0.0089	40.1888	-45.2383	0.0053	95.7888	44.9223
0.774	0.0091	40.244	-45.0175	0.0055	95.7888	44.8829
0.7738	0.0094	40.1888	-45.0727	0.0057	95.7888	44.8435
0.7731	0.0097	39.9681	-45.1279	0.006	95.7888	44.9322
0.7727	0.01	40.6303	-44.9071	0.0064	95.7888	44.8287
0.7713	0.0103	40.244	-45.4038	0.0067	95.7888	44.7795
0.7708	0.0107	40.4647	-45.1279	0.007	95.7888	44.8534
0.7703	0.0111	40.4647	-45.1279	0.0072	95.7888	44.8238
0.7696	0.0113	39.9681	-45.0175	0.0075	95.7888	44.8041
0.7688	0.0116	39.7473	-44.9623	0.0079	95.7888	44.8829
0.7671	0.012	39.7473	-45.2383	0.0083	95.7888	44.8583
0.7657	0.0123	40.0784	-44.852	0.0087	95.7888	44.9814
0.7642	0.0127	39.6921	-45.0727	0.0091	95.7888	44.9666
0.7632	0.013	39.6921	-45.2383	0.0094	95.7888	44.9617
0.7624	0.0135	39.6921	-45.2934	0.0098	95.7888	44.9469
0.761	0.0139	39.361	-45.459	0.0101	95.7888	44.9075
0.7592	0.0144	39.6369	-45.1831	0.0107	95.7888	44.9125
0.7577	0.0148	39.361	-45.2934	0.0112	95.7888	44.9026
0.7564	0.0152	39.0299	-45.0727	0.0116	95.7888	44.9272
0.7539	0.0157	39.2506	-44.9072	0.0121	95.7888	44.942
0.7525	0.0161	38.754	-45.2934	0.0125	95.7888	44.9765
0.7502	0.0167	39.1955	-45.0175	0.013	95.7888	45.0897
0.7486	0.0172	38.9747	-45.1279	0.0137	95.7888	45.1045
0.7466	0.0177	38.9747	-44.9072	0.0141	95.7888	45.1735
0.7421	0.0183	38.5884	-45.0727	0.0147	95.7888	45.2572
0.7295	0.0191	38.1469	-45.5694	0.0155	95.7888	45.3803
0.7056	0.0201	38.2573	-45.6797	0.0161	95.7888	45.0356

0.2068	0.009	-0.4718	-4.9419	0.0078	25.5941	25.6036
0.4758	0.0018	43.5551	-112.0127	-0.0005	16.2568	21.7408
0.4372	0.0023	47.4181	-43.4171	-0.0005	17.4371	22.7996
0.4584	0.0024	44.714	-43.086	-0.0005	17.7529	23.2478
0.4786	0.0024	45.6521	-42.6445	-0.0005	18.4362	23.4891
0.4965	0.0024	47.3629	-43.086	-0.0004	21.1955	24.2328

0.513	0.0026	48.9081	-43.5275	-0.0004	26.3672	27.1286
0.5273	0.0026	46.7559	-45.2383	-0.0005	31.4094	31.7826
0.5402	0.0026	46.2592	-45.459	-0.0005	35.4267	35.8408
0.552	0.0026	47.087	-45.2934	-0.0004	37.6579	38.0225
0.563	0.0027	46.3696	-44.7968	-0.0004	38.9159	39.4163
0.5737	0.0028	45.9281	-45.5694	-0.0005	39.8373	40.3569
0.5844	0.0028	45.9281	-45.0175	-0.0004	40.6346	41.1843
0.594	0.0028	45.6522	-45.1279	-0.0004	41.1937	41.7211
0.6035	0.0029	45.2107	-45.0175	-0.0003	41.8977	42.4598
0.6124	0.0029	45.2107	-44.9623	-0.0003	42.4879	42.972
0.6203	0.003	45.0451	-44.9623	-0.0002	42.8969	43.4448
0.6282	0.0029	44.3277	-45.4038	-0.0003	43.1816	43.7847
0.6362	0.0029	44.714	-45.6246	-0.0002	43.4456	44.0063
0.6432	0.0029	44.714	-46.1212	-0.0002	43.5129	44.0703
0.6497	0.0029	44.4381	-46.0109	-0.0003	43.839	44.3461
0.6559	0.003	44.2725	-45.459	-0.0002	43.8856	44.4347
0.6622	0.003	44.5484	-45.6246	-0.0002	44.0617	44.5529
0.6684	0.0031	44.714	-45.3486	-0.0005	44.0772	44.6613
0.6742	0.0032	44.714	-45.2934	-0.0001	44.2066	44.7746
0.6796	0.0033	44.3277	-45.2383	-0.0002	44.1548	44.7253
0.6843	0.0033	44.107	-44.9623	-0.0002	44.0358	44.5037
0.6896	0.0034	44.107	-45.1831	-0.0001	44.0099	44.5776
0.6938	0.0034	43.9966	-44.9072	0.0001	44.0254	44.548
0.6977	0.0035	44.0518	-44.9623	-0.0001	44.0202	44.5776
0.7025	0.0035	43.8862	-45.1279	0	44.0565	44.5431
0.7059	0.0036	44.4381	-45.0727	0.0001	43.984	44.4397
0.7096	0.0035	44.4933	-44.9071	0	43.8339	44.3165
0.7127	0.0036	44.4933	-45.2383	0.0001	43.7925	44.2821
0.7161	0.0036	44.3277	-45.1831	0.0002	43.7355	44.3412
0.7192	0.0037	44.5484	-44.7968	0.0003	43.7252	44.2919
0.7221	0.0037	44.3829	-45.5142	0.0002	43.6579	44.2476
0.7246	0.0038	44.5484	-45.0175	0.0003	43.5181	44.1737
0.727	0.0039	44.8796	-43.7483	0.0003	43.5802	44.1097
0.73	0.004	44.2173	-41.9823	0.0003	43.5388	44.0703
0.7315	0.004	43.9966	-41.7064	0.0003	43.5802	44.1195
0.734	0.004	44.2173	-41.5408	0.0005	43.575	44.1639
0.7361	0.0041	43.9966	-39.499	0.0003	43.5698	44.1836
0.738	0.0041	44.2173	-39.6645	0.0005	43.4922	44.1294

0.739	0.0043	44.1621	-38.1193	0.0006	43.5802	44.0752
0.7412	0.0042	44.4381	-38.5056	0.0006	43.5388	44.0703
0.7427	0.0043	44.4933	-37.8986	0.0007	43.5699	44.0407
0.7437	0.0044	44.107	-37.2916	0.0008	43.5854	44.0506
0.7448	0.0046	44.5484	-37.3467	0.0009	43.5491	44.0801
0.7474	0.0046	44.6036	-38.8919	0.001	43.487	44.1146
0.7484	0.0047	44.4381	-37.3467	0.0011	43.4249	43.9915
0.7494	0.0049	44.714	-37.4019	0.0012	43.4042	43.9472
0.7508	0.0051	44.9899	-36.9053	0.0012	43.3524	43.8881
0.7514	0.005	44.4381	-36.7397	0.0013	43.3214	43.893
0.752	0.005	44.3277	-37.2364	0.0013	43.311	43.8733
0.7526	0.0051	44.4933	-36.9053	0.0016	43.368	43.9275
0.7536	0.0053	44.5484	-36.0775	0.0016	43.4197	44.0703
0.7538	0.0054	44.4381	-36.9053	0.0018	43.6837	44.2525
0.755	0.0055	44.714	-37.0708	0.0018	43.7976	44.4249
0.7552	0.0056	44.1621	-37.0708	0.0019	43.9995	44.5874
0.7559	0.0057	44.4933	-37.8434	0.0021	44.0565	44.6711
0.7563	0.0058	44.2725	-38.2297	0.0022	44.1859	44.7844
0.7562	0.006	44.3277	-37.2916	0.0024	44.2843	44.9223
0.7568	0.0062	44.6036	-36.9604	0.0026	44.2843	44.9519
0.7573	0.0064	44.1621	-37.6779	0.0026	44.3412	45.0159
0.7574	0.0065	44.2725	-37.8986	0.003	44.4654	45.0356
0.7575	0.0067	44.6036	-37.8986	0.003	44.5224	45.1193
0.7576	0.007	43.9966	-37.2916	0.0032	44.5793	45.1883
0.758	0.0071	44.2173	-37.0708	0.0034	44.5949	45.203
0.7578	0.0072	44.1621	-36.243	0.0035	44.5483	45.1291
0.758	0.0074	44.107	-35.9671	0.0037	44.5845	45.1439
0.7572	0.0077	43.9414	-35.4704	0.0039	44.6052	45.1636
0.7573	0.0079	44.3829	-36.7949	0.0043	44.5483	45.1193
0.7579	0.0081	44.4381	-36.2982	0.0043	44.4913	45.139
0.7572	0.0082	44.714	-35.9671	0.0046	44.5483	45.1193
0.7566	0.0085	44.714	-36.0223	0.0048	44.4654	45.0897
0.7568	0.0087	44.9899	-35.636	0.0052	44.2377	44.8731
0.756	0.0091	44.714	-35.3601	0.0053	44.1445	44.7598
0.7551	0.0094	44.8796	-35.1945	0.0058	44.2532	44.8632
0.7543	0.0097	44.8244	-35.3049	0.006	44.2532	44.8238
0.7535	0.0102	45.1003	-34.6427	0.0064	44.2894	44.7844
0.7526	0.0104	44.9899	-35.1945	0.0067	44.2791	44.8386

0.7515	0.0108	45.0451	-34.4219	0.0069	44.3878	44.8928
0.7508	0.0111	44.4381	-34.4219	0.0074	44.4189	44.942
0.7489	0.0114	44.7692	-34.9186	0.0076	44.3826	44.9666
0.7476	0.0118	44.8796	-34.3667	0.008	44.3671	45.006
0.747	0.0122	45.2107	-34.5323	0.0083	44.3826	44.9913
0.7457	0.0126	44.8796	-34.4771	0.0088	44.4189	45.07
0.7443	0.0129	44.9899	-34.3667	0.0094	44.3826	45.006
0.7439	0.0133	45.4314	-34.146	0.0098	44.4292	44.9814
0.7424	0.0137	45.3762	-34.2012	0.0103	44.2998	44.9765
0.7401	0.0143	45.321	-35.029	0.0106	44.2894	45.0159
0.738	0.0148	45.4314	-34.4771	0.0112	44.305	44.9519
0.737	0.0153	45.2107	-34.753	0.0116	44.2791	44.9371
0.7347	0.0158	45.3762	-34.9186	0.012	44.1859	44.9371
0.7329	0.0163	45.0451	-35.3049	0.0127	44.1704	44.9519
0.7309	0.0168	45.3762	-36.1327	0.0131	44.1807	45.011
0.7294	0.0173	44.7692	-35.6912	0.0136	44.2739	45.0208
0.7268	0.0177	44.8244	-35.5256	0.0142	44.3826	45.075
0.7253	0.0182	44.9899	-34.9186	0.0147	44.4447	45.203
0.7229	0.0188	45.1555	-35.5808	0.0153	44.3774	45.2276
0.721	0.0195	45.2659	-36.9053	0.0159	44.3878	45.2326
0.7181	0.0202	45.321	-35.6912	0.0165	44.4551	45.2769
0.7145	0.0209	45.0451	-37.0156	0.0173	44.4706	45.2917
0.7019	0.0218	43.7758	-38.2849	0.0183	44.5483	45.4837
0.6802	0.0229	43.2792	-42.5894	0.0195	44.9365	45.8482
0.6462	0.0241	42.341	-43.4171	0.0206	45.1799	46.06
0.603	0.0249	46.5903	-133.7005	0.0207	44.3567	45.075

0.2983	0.014	-5.1902	-9.8092	0.0119	21.9367	21.3485
0.5897	0.0011	39.9681	-96.2848	-0.0004	20.6416	18.1997
0.5154	0.0021	45.9833	-49.1564	-0.0004	19.9634	18.7513
0.5229	0.002	45.6522	-49.4324	-0.0004	19.0109	19.3325
0.5301	0.0021	48.7425	-48.8253	-0.0003	19.0989	20.1008
0.5362	0.0021	53.4333	-48.0527	-0.0004	20.4242	21.662
0.5418	0.0021	58.1792	-48.5494	-0.0004	24.488	24.5036
0.5461	0.002	49.8462	-50.7016	-0.0004	27.3663	28.3598
0.5503	0.0021	48.4114	-51.6398	-0.0004	30.6433	32.8809
0.5526	0.0021	48.3011	-52.2468	-0.0003	33.1489	36.0772

0.5558	0.0022	48.1907	-53.0746	-0.0005	34.9556	38.1358
0.558	0.0021	47.2525	-53.6816	-0.0004	36.2912	39.5098
0.5605	0.0022	47.1422	-54.1231	-0.0003	37.4094	40.5441
0.5623	0.0022	46.5903	-54.399	-0.0004	38.1445	41.1892
0.5655	0.0023	46.3144	-54.4542	-0.0004	38.9521	41.9575
0.5682	0.0023	45.8729	-54.5094	-0.0004	39.5889	42.5534
0.5702	0.0023	45.597	-54.8405	-0.0003	40.3861	42.9573
0.5722	0.0024	45.3762	-55.282	-0.0004	41.1367	43.3463
0.5744	0.0024	45.4314	-55.0061	-0.0004	41.349	43.6468
0.5754	0.0024	45.8177	-55.282	-0.0003	41.4007	43.8733
0.5771	0.0024	44.7692	-55.282	-0.0004	41.4473	43.8881
0.5784	0.0025	45.1555	-54.7853	-0.0002	41.3904	44.0604
0.5788	0.0026	44.7692	-54.9509	-0.0002	41.3438	44.0801
0.58	0.0025	44.7692	-54.8405	-0.0004	41.3593	44.1294
0.5804	0.0026	45.1003	-55.0061	-0.0001	41.4266	44.1048
0.5815	0.0027	45.2107	-54.675	-0.0001	41.3386	44.1639
0.5816	0.0026	44.7692	-55.2268	-0.0001	41.4473	44.1737
0.5821	0.0027	44.6588	-55.0613	-0.0001	41.6285	44.2821
0.5811	0.0028	44.4933	-55.0061	-0.0002	41.7372	44.3412
0.582	0.0028	44.8244	-55.0613	-0.0001	41.8097	44.4446
0.5818	0.0028	44.714	-54.9509	0	41.8149	44.4249
0.5814	0.0029	44.6588	-55.0061	0.0001	41.9391	44.4791
0.5811	0.0031	44.3829	-54.5094	0.0001	41.9702	44.5382
0.582	0.0032	44.6588	-55.1165	0.0002	42.0737	44.548
0.5812	0.0033	43.8862	-55.0061	0.0002	41.9184	44.4791
0.5807	0.0033	43.7207	-54.9509	0.0002	41.7683	44.4446
0.5802	0.0034	44.0518	-54.5646	0.0004	41.7631	44.4544
0.5794	0.0034	43.8862	-54.9509	0.0003	41.8356	44.5234
0.5793	0.0036	44.107	-55.0061	0.0005	41.7735	44.5382
0.5778	0.0036	44.2173	-55.5579	0.0005	41.8615	44.4101
0.5772	0.0037	43.7758	-55.282	0.0007	41.8977	44.3756
0.5758	0.0038	43.8862	-55.3924	0.0007	41.846	44.3067
0.574	0.004	44.0518	-54.5646	0.001	41.7735	44.2821
0.5725	0.0041	43.8862	-55.282	0.0009	41.789	44.2476
0.5714	0.0041	43.8862	-55.2268	0.0011	41.8045	44.2525
0.5695	0.0042	43.3895	-55.3372	0.0013	41.7787	44.2624
0.5678	0.0044	43.5551	-55.2268	0.0011	41.6492	44.2082
0.5665	0.0044	43.6103	-55.6131	0.0014	41.6234	44.1934

0.564	0.0046	43.7207	-54.8957	0.0014	41.6958	44.1737
0.562	0.0047	43.7207	-54.8405	0.0018	41.5819	44.0998
0.5586	0.0048	43.831	-55.2268	0.0017	41.6751	44.1639
0.5559	0.0049	43.4447	-55.3924	0.0019	41.8874	44.3559
0.5527	0.005	42.9481	-55.3372	0.0019	42.1048	44.5283
0.5495	0.0052	43.3895	-54.8957	0.0021	42.3429	44.7007
0.5473	0.0053	42.9481	-55.1716	0.0023	42.5863	44.9026
0.5435	0.0054	42.8377	-55.9994	0.0024	42.8244	45.1045
0.5403	0.0055	43.2792	-56.0546	0.0025	43.0108	45.2818
0.5366	0.0057	43.0584	-55.8891	0.0025	43.1195	45.3458
0.5328	0.0059	44.4381	-55.6131	0.0027	43.2127	45.4345
0.5285	0.0059	44.9899	-55.4476	0.003	43.2696	45.4837
0.5242	0.0061	45.1003	-55.4476	0.0032	43.2282	45.469
0.5202	0.0063	45.1003	-55.5579	0.0034	43.2282	45.4542
0.516	0.0065	44.1622	-55.4476	0.0035	43.1505	45.2917
0.5118	0.0067	42.8377	-55.5028	0.0037	43.0884	45.3015
0.5081	0.0068	43.1136	-55.1165	0.0039	42.9383	45.2129
0.5035	0.007	44.8796	-54.6198	0.004	42.8089	45.1538
0.4997	0.0072	43.7207	-55.5028	0.0043	42.7985	45.0799
0.4951	0.0074	44.6588	-54.9509	0.0043	42.7157	45.0159
0.4908	0.0077	44.4933	-54.5094	0.0048	42.7364	45.075
0.4871	0.008	44.0518	-54.6198	0.0048	42.6639	44.9913
0.4822	0.008	44.4933	-54.8957	0.005	42.55	44.9519
0.4776	0.0082	44.2173	-54.8405	0.0052	42.5034	44.9469
0.4726	0.0085	44.9347	-54.8957	0.0054	42.4309	44.8927
0.4677	0.0087	44.714	-55.1164	0.0058	42.3792	44.8238
0.463	0.009	44.2173	-54.7302	0.006	42.3688	44.8731
0.4577	0.0091	44.4381	-54.4542	0.0062	42.3792	44.9962
0.4528	0.0094	44.3829	-54.675	0.0065	42.4465	44.9568
0.4478	0.0096	43.8862	-55.0613	0.0068	42.5241	44.9715
0.4432	0.0098	43.6655	-54.8405	0.0069	42.5086	44.8927
0.438	0.0101	43.6655	-55.2268	0.0072	42.4827	44.9125
0.433	0.0103	42.7825	-54.8957	0.0076	42.519	44.8928
0.4274	0.0106	41.734	-54.5094	0.0077	42.5552	44.9962
0.422	0.0109	41.5132	-55.0613	0.0081	42.4931	44.8927
0.4168	0.0112	41.8444	-54.7302	0.0085	42.4465	44.809
0.4122	0.0116	41.4029	-55.0061	0.0087	42.3688	44.8189
0.4082	0.0118	41.8995	-54.6198	0.0091	42.374	44.7943

0.4042	0.0121	41.5132	-54.2335	0.0092	42.5034	44.809
0.4006	0.0124	41.734	-54.399	0.0096	42.4465	44.7795
0.3954	0.0126	40.9062	-54.4542	0.0099	42.3947	44.7155
0.3916	0.0129	41.9547	-54.5094	0.0102	42.3688	44.6908
0.3862	0.0133	41.734	-54.2887	0.0106	42.4154	44.6859
0.3822	0.0136	41.4581	-54.4542	0.0108	42.3844	44.6908
0.3772	0.0141	41.1821	-54.399	0.0113	42.3688	44.745
0.3709	0.0144	40.851	-54.9509	0.0116	42.4517	44.7893
0.365	0.0147	41.1821	-55.3372	0.012	42.6432	45.0208
0.3583	0.0151	40.9062	-55.282	0.0124	42.9383	45.2966
0.3525	0.0154	40.0784	-55.889	0.0127	43.1246	45.6019
0.3462	0.0158	42.0099	-55.3924	0.0131	43.4404	45.8876
0.3397	0.0162	41.5684	-55.5028	0.0132	43.7045	46.055
0.3337	0.0166	40.6855	-55.7787	0.0136	43.9063	46.2471
0.3268	0.0171	40.0232	-56.6616	0.0137	44.0513	46.2668
0.3203	0.0174	40.5751	-56.6616	0.0141	44.072	46.2225
0.3129	0.018	40.6303	-57.1583	0.0146	44.1082	46.2323
0.3053	0.0186	39.7473	-57.1583	0.0149	44.0099	46.1092
0.2996	0.019	40.244	-57.1031	0.0155	43.8908	46.0156
0.2984	0.0194	41.4581	-56.9376	0.0162	43.6475	45.794
0.294	0.02	41.6788	-77.5218	0.0165	43.4404	45.4887
0.2865	0.0207	41.2373	-119.4075	0.0167	43.2799	45.2572

0.2465	0.0004	-21.878	-26.2986	-0.0001	24.1125	23.8839
0.4747	0.0015	39.6369	-99.8718	-0.0005	21.0661	25.0109
0.4361	0.002	44.8796	-41.596	-0.0005	22.2412	25.1045
0.4502	0.002	47.4181	-41.3753	-0.0005	21.4388	25.2079
0.4627	0.002	46.4799	-41.7064	-0.0005	21.7753	25.3113
0.4741	0.0022	47.6388	-41.3201	-0.0004	23.903	25.5526
0.4838	0.0022	47.7492	-42.0375	-0.0004	27.2524	27.8476
0.4922	0.0022	47.8044	-43.086	-0.0003	31.8702	32.615
0.4991	0.0022	46.7007	-44.1897	-0.0003	35.4733	36.3086
0.5049	0.0021	44.3829	-44.852	-0.0004	37.4042	38.3525
0.5098	0.0023	44.4381	-44.2449	-0.0004	38.6933	39.697
0.5138	0.0025	44.8244	-44.7416	-0.0003	39.682	40.5835
0.5179	0.0025	44.3277	-44.7416	-0.0004	40.5103	41.4749
0.5225	0.0026	44.2173	-45.0175	-0.0004	41.1523	42.1594

0.5262	0.0026	43.9966	-45.4038	-0.0003	41.789	42.8144
0.5297	0.0028	43.9414	-45.2934	-0.0002	42.4051	43.3956
0.5319	0.0026	43.5551	-46.7283	-0.0003	42.9176	43.8733
0.5347	0.0028	43.4447	-46.066	-0.0002	43.4456	44.3215
0.5361	0.0029	43.224	-45.9557	-0.0002	43.6889	44.5776
0.5377	0.0029	43.0033	-46.066	-0.0001	43.808	44.6761
0.5396	0.003	42.8929	-46.2868	-0.0001	44.0151	44.8829
0.5399	0.0032	42.7273	-45.9005	0	44.0617	44.9568
0.5405	0.0032	42.1203	-45.8453	0	44.1082	45.0257
0.5417	0.0034	42.2858	-46.0109	0.0001	44.2584	45.1193
0.5428	0.0036	42.6721	-46.1212	0.0003	44.2118	45.1932
0.5425	0.0036	42.0099	-46.7283	0.0003	44.1807	45.1883
0.5422	0.0037	41.9547	-46.4523	0.0003	44.1082	45.1242
0.5418	0.0038	41.8995	-46.342	0.0005	44.1031	45.1587
0.5405	0.004	42.0099	-46.2316	0.0006	44.129	45.2129
0.5397	0.0042	41.9547	-46.4523	0.0008	44.1031	45.1636
0.5384	0.0045	42.2307	-45.7349	0.0009	44.0979	45.2276
0.5379	0.0045	41.5684	-45.8453	0.0011	44.041	45.2178
0.536	0.0046	41.8444	-46.066	0.0011	44.0047	45.139
0.5345	0.0049	41.8995	-45.459	0.0014	44.072	45.1538
0.5331	0.005	41.6788	-45.7901	0.0014	43.9633	45.0947
0.531	0.0051	41.3477	-46.342	0.0016	43.9944	45.1095
0.529	0.0051	41.4029	-46.2316	0.0017	43.9685	45.075
0.5275	0.0053	41.734	-46.6179	0.0018	43.9788	45.0454
0.5255	0.0056	41.6236	-46.2868	0.002	43.9374	45.0553
0.5233	0.0057	41.6788	-46.2316	0.0022	43.9529	45.0257
0.5215	0.0059	41.4029	-46.3972	0.0025	43.9633	45.0307
0.5178	0.0059	41.6788	-46.2316	0.0025	43.896	44.9765
0.5159	0.0062	41.6236	-46.1212	0.0025	43.9633	44.9617
0.5133	0.0063	41.0166	-46.0109	0.0027	43.8701	44.9075
0.5112	0.0065	41.8444	-45.6797	0.0029	43.9529	44.9962
0.5087	0.0068	41.3477	-45.5694	0.0031	43.8805	44.9125
0.506	0.0068	41.0718	-45.6246	0.0032	43.9685	44.9371
0.5037	0.0069	41.2373	-45.5694	0.0034	43.9115	44.9666
0.5024	0.0074	41.6236	-44.9623	0.0036	44.0306	45.0257
0.5003	0.0074	41.6788	-45.2934	0.004	43.8494	44.9666
0.4976	0.0075	41.3477	-46.066	0.0039	43.9426	44.9666
0.4957	0.0077	41.8444	-45.459	0.0042	43.9271	44.9814

0.4928	0.0079	41.2373	-46.2316	0.0045	43.9374	44.9666
0.4899	0.0078	40.7958	-47.0594	0.0044	44.0617	45.0848
0.4879	0.0082	40.6303	-46.4523	0.0046	44.2066	45.2424
0.4847	0.0084	40.4647	-46.4523	0.0048	44.3774	45.4148
0.4821	0.0085	40.0232	-46.1212	0.005	44.5276	45.5576
0.4792	0.0087	40.6303	-46.2868	0.0051	44.7554	45.7546
0.4779	0.0089	40.3544	-46.6179	0.0054	44.8899	45.8925
0.4754	0.0091	40.5199	-45.9557	0.0056	44.9521	45.9368
0.4728	0.0092	40.0784	-46.6179	0.0057	44.9831	45.9565
0.4706	0.0095	40.6855	-46.1212	0.006	45.0453	46.0206
0.4677	0.0097	40.6303	-46.5075	0.0062	44.9469	45.858
0.4653	0.01	41.0166	-46.066	0.0064	44.9003	45.8186
0.4619	0.0101	41.3477	-46.066	0.0066	44.8744	45.7891
0.4596	0.0103	41.2373	-46.949	0.0069	44.7502	45.7201
0.4567	0.0106	40.9062	-46.5075	0.0071	44.6208	45.5428
0.4541	0.0107	41.1821	-46.1212	0.0072	44.5949	45.4985
0.4518	0.011	41.5132	-45.459	0.0076	44.5327	45.4837
0.4489	0.0112	41.7892	-45.5694	0.0077	44.4654	45.4049
0.4455	0.0114	41.0718	-45.6797	0.0078	44.4396	45.3606
0.4422	0.0116	40.7958	-45.8453	0.0082	44.393	45.336
0.4391	0.0119	40.5751	-46.066	0.0084	44.5793	45.533
0.4358	0.012	40.1888	-46.4523	0.0086	44.5483	45.5428
0.4328	0.0122	39.6921	-46.6179	0.0089	44.5897	45.4887
0.4299	0.0127	40.4095	-45.9557	0.0093	44.5431	45.5034
0.4265	0.013	40.4647	-45.9005	0.0094	44.5069	45.4887
0.4236	0.0133	40.4095	-46.2316	0.0097	44.4292	45.4
0.4198	0.0135	40.7406	-46.7835	0.01	44.3671	45.3163
0.4165	0.0138	43.224	-46.1764	0.0102	44.3878	45.3261
0.4129	0.0139	43.0584	-46.6179	0.0105	44.3826	45.3015
0.4097	0.0142	42.4514	-46.1764	0.0108	44.3309	45.267
0.4069	0.0146	42.7273	-45.7349	0.0111	44.3671	45.2966
0.4034	0.015	42.5618	-45.8453	0.0113	44.3619	45.2917
0.4006	0.0153	42.7825	-45.3486	0.0118	44.4189	45.3311
0.3968	0.0155	42.5066	-45.7901	0.0121	44.4706	45.3557
0.3933	0.0159	42.8929	-45.7901	0.0124	44.3981	45.2917
0.3902	0.0163	42.7825	-45.7901	0.0128	44.4396	45.3311
0.3866	0.0166	43.0033	-45.7349	0.0132	44.5586	45.4985
0.3825	0.017	43.3344	-45.9557	0.0135	44.6622	45.5773

0.3784	0.0175	42.8929	-45.9557	0.0138	44.6674	45.597
0.3735	0.0177	42.7273	-46.342	0.0143	44.7036	45.6561
0.3687	0.0182	42.6721	-45.5694	0.0146	44.8175	45.7201
0.3638	0.0186	43.4447	-45.5694	0.0152	44.9573	45.8383
0.3596	0.0192	43.4999	-45.459	0.0157	45.1074	46.0255
0.3541	0.0196	43.7207	-45.6797	0.0161	45.1488	46.0353
0.3504	0.02	43.3344	-45.8453	0.0163	45.0194	45.8728
0.3452	0.0205	42.7273	-46.2868	0.0167	44.9055	45.8236
0.3409	0.0211	43.3344	-46.1212	0.017	44.8382	45.6758
0.3357	0.0216	42.7825	-46.8938	0.0175	44.8434	45.6955
0.3265	0.0223	42.0651	-46.8938	0.0182	44.9314	45.8236
0.2956	0.0231	40.6303	-63.8909	0.0181	44.978	45.8285

0.2284	0.0152	-0.4718	-5.3392	0.0138	27.1689	26.9865
0.4688	0.0017	31.5247	-104.6178	-0.0005	14.8383	23.7994
0.427	0.0015	36.381	-46.4523	-0.0005	16.1584	24.2623
0.4402	0.003	37.0984	-45.6797	-0.0004	16.9194	24.4544
0.4534	0.003	38.9747	-45.2383	-0.0005	18.2706	24.6859
0.4649	0.003	41.6236	-45.0175	-0.0004	22.8159	25.6905
0.4759	0.003	38.0917	-46.1764	-0.0005	28.1791	28.8819
0.4858	0.003	38.8643	-46.1764	-0.0004	33.2058	33.8068
0.4943	0.003	39.5266	-47.2249	-0.0004	36.9538	37.4857
0.5001	0.003	38.5884	-48.1079	-0.0004	39.0815	39.6379
0.5074	0.003	37.4847	-48.1631	-0.0004	40.3188	40.8691
0.511	0.003	38.0366	-47.3905	-0.0004	41.2144	41.8196
0.5158	0.003	38.8092	-47.3905	-0.0003	41.9391	42.5189
0.5193	0.003	39.1955	-47.6112	-0.0004	42.5397	43.2331
0.5232	0.003	39.1955	-47.3905	-0.0003	42.8399	43.5335
0.5256	0.003	39.2506	-47.9975	-0.0004	43.4094	44.0358
0.5281	0.003	38.8643	-48.3286	-0.0003	43.751	44.4101
0.5301	0.003	38.8643	-48.7701	-0.0003	44.0202	44.6071
0.5323	0.003	38.8643	-48.6598	-0.0004	44.1859	44.8731
0.5346	0.003	38.2021	-48.6598	-0.0004	44.3309	44.9716
0.5373	0.003	38.2573	-48.4942	-0.0002	44.4447	45.0947

0.5384	0.003	37.5399	-48.3838	-0.0001	44.6622	45.2621
0.5405	0.003	37.871	-48.439	-0.0002	44.7916	45.4345
0.5406	0.003	37.871	-48.3838	-0.0002	44.9521	45.5921
0.5422	0.003	37.4295	-48.7149	-0.0001	44.978	45.6118
0.5424	0.003	37.6503	-48.9357	0	45.0038	45.6413
0.5432	0.003	37.871	-48.5494	-0.0001	45.1902	45.8039
0.5435	0.003	38.0917	-48.439	0	45.2213	45.8679
0.5428	0.003	38.3125	-48.6598	0.0001	45.1333	45.7152
0.5431	0.003	37.7606	-48.1079	0.0001	45.2161	45.8383
0.5431	0.003	37.9262	-48.6046	0.0001	45.2057	45.7497
0.5418	0.003	37.7054	-48.439	0.0003	45.2368	45.8383
0.5407	0.003	38.1469	-48.1631	0.0004	45.3248	45.9762
0.5385	0.003	37.7606	-48.439	0.0005	45.3714	45.991
0.538	0.003	37.7606	-48.4942	0.0006	45.4025	46.0304
0.5361	0.003	37.264	-48.6046	0.0007	45.4335	46.0649
0.5346	0.003	37.7054	-48.439	0.0007	45.5112	46.0747
0.5333	0.003	37.5951	-48.8253	0.0009	45.4387	46.0944
0.5313	0.003	37.7054	-49.2116	0.001	45.4853	46.0846
0.5302	0.003	37.4295	-49.0461	0.0009	45.4905	46.0846
0.5279	0.003	37.4295	-48.7701	0.0012	45.4646	46.0649
0.5249	0.003	37.0432	-48.7701	0.0013	45.3973	46.0058
0.5266	0.0038	37.264	-48.3286	0.0015	45.2989	45.9024
0.5271	0.0047	37.3192	-49.2116	0.0016	45.1591	45.8186
0.5263	0.0048	36.988	-48.4942	0.0018	45.097	45.7152
0.5257	0.0049	37.0432	-48.8253	0.0017	45.1747	45.8088
0.5255	0.005	37.0984	-49.1564	0.002	45.2627	45.8137
0.5245	0.0051	37.1536	-49.1012	0.0022	45.2886	45.8531
0.523	0.0053	36.8777	-48.7149	0.0023	45.273	45.8728
0.522	0.0055	36.5466	-48.6598	0.0025	45.2368	45.7989
0.5221	0.0056	36.5466	-48.7701	0.0026	45.1799	45.7891
0.5197	0.0057	36.6017	-48.439	0.0026	45.1074	45.7743
0.5176	0.0058	36.3258	-48.7149	0.0028	45.1333	45.7743
0.5171	0.0059	36.8225	-48.2735	0.0029	45.154	45.7694
0.5156	0.0061	36.4362	-47.6664	0.003	45.154	45.7694
0.514	0.0063	36.9328	-47.7216	0.0034	45.154	45.7743
0.5119	0.0066	36.6017	-47.8872	0.0034	45.1333	45.7694
0.5105	0.0066	36.9328	-47.8872	0.0037	45.097	45.7842
0.5075	0.0068	36.4914	-47.6112	0.0038	45.097	45.73

0.5055	0.0069	36.6017	-47.7768	0.004	45.1281	45.7595
0.5028	0.0071	36.4914	-47.7768	0.004	45.1074	45.7251
0.5002	0.0073	36.4914	-47.4457	0.0042	45.1126	45.7201
0.498	0.0074	36.5466	-47.3905	0.0045	45.1488	45.7349
0.4956	0.0075	36.4914	-47.0042	0.0047	45.1126	45.666
0.4922	0.0077	35.8843	-46.7283	0.0049	45.0401	45.5576
0.4888	0.0081	36.0499	-47.556	0.005	45.1126	45.6315
0.4857	0.0082	36.2154	-47.0042	0.0053	45.1954	45.7004
0.4818	0.0083	36.381	-47.3905	0.0055	45.2213	45.7398
0.4782	0.0085	35.7188	-47.4457	0.0058	45.2368	45.7743
0.4749	0.0087	35.6636	-47.2801	0.0059	45.1229	45.6709
0.4713	0.0089	35.8843	-48.2735	0.0063	45.1074	45.661
0.467	0.0092	35.1669	-48.6598	0.0065	45.1643	45.7152
0.4619	0.0095	35.3877	-47.9975	0.0066	45.2523	45.8433
0.4571	0.0097	35.2221	-47.9423	0.0068	45.242	45.8039
0.4523	0.0099	35.0565	-47.9975	0.007	45.1799	45.7694
0.4481	0.0101	34.7806	-47.6112	0.0073	45.2834	45.858
0.4433	0.0104	35.3325	-47.556	0.0076	45.3403	45.9418
0.4375	0.0106	34.9462	-47.6112	0.0079	45.3818	45.9713
0.4325	0.0109	34.7254	-47.7216	0.0081	45.273	45.9516
0.4269	0.0112	34.8358	-47.6112	0.0084	45.4387	46.0698
0.4216	0.0115	35.1669	-47.7216	0.0088	45.5008	46.0944
0.4152	0.0118	35.2221	-48.3838	0.009	45.4076	45.9319
0.4091	0.0121	34.9462	-48.8253	0.009	45.2368	45.7595
0.4038	0.0125	34.891	-48.7149	0.0092	45.1177	45.6758
0.4075	0.0128	34.7806	-48.6598	0.0092	45.0815	45.6266
0.4097	0.0131	34.8358	-48.9357	0.0096	45.185	45.73
0.4132	0.0134	34.8358	-49.3772	0.0103	45.242	45.794
0.4159	0.0137	34.891	-53.8472	0.0105	45.2886	45.8531
0.4197	0.0142	35.1669	-59.145	0.0109	45.3507	45.9171
0.4237	0.0146	35.3325	-61.8491	0.0112	45.418	45.9565
0.4288	0.0148	35.9395	-65.3809	0.0115	45.4698	46.124
0.4315	0.0153	35.5532	-68.9128	0.0118	45.5526	46.1437
0.4329	0.0158	35.774	-76.5284	0.0125	45.5578	46.1979
0.4342	0.0163	35.8291	-81.4399	0.0129	45.5526	46.2077
0.4358	0.0168	35.8291	-91.87	0.0132	45.5629	46.1979
0.4386	0.0172	35.7188	-93.6359	0.0136	45.5163	46.1289
0.4401	0.0177	36.1051	-98.1059	0.0142	45.5163	46.1338

0.4437	0.0182	36.1603	-89.0555	0.0145	45.6147	46.2126
0.4463	0.0187	35.9395	-81.4399	0.015	45.6458	46.2668
0.4471	0.0193	36.2154	-86.7929	0.0155	45.6975	46.2964
0.4473	0.02	36.6569	-98.1611	0.0159	45.5888	46.2274
0.4474	0.0205	36.7121	-105.1145	0.0164	45.5785	46.1486
0.4464	0.0213	36.6017	-110.3019	0.0171	45.5474	46.0944
0.4465	0.0219	36.4914	-107.4323	0.0178	45.5681	46.1634
0.4441	0.0225	36.3258	-117.2001	0.0181	45.5215	46.1191
0.4453	0.023	35.9395	-111.7919	0.0188	45.5733	46.1979
0.446	0.0238	36.2706	-107.8185	0.0194	45.682	46.2816
0.4431	0.0245	36.2154	-138.8328	0.0197	45.6044	46.1683

0.2084	0.012	-3.0545	-6.1835	0.0108	26.0787	24.5088
0.4512	0.0019	30.5865	-115.6549	-0.0002	15.3508	23.7846
0.4192	0.0022	33.401	-43.5827	-0.0002	16.0394	24.1687
0.4386	0.0023	33.8425	-43.5275	-0.0002	15.8633	24.4593
0.4566	0.0023	34.8358	-43.8034	-0.0002	17.287	24.676
0.4739	0.0023	34.8358	-44.9071	-0.0004	21.211	24.9075
0.49	0.0024	35.0014	-45.5694	-0.0002	26.6157	26.9956
0.5044	0.0024	35.774	-46.1212	-0.0002	31.5596	31.6989
0.5176	0.0025	37.264	-45.459	-0.0002	35.4888	35.6536
0.5277	0.0026	36.8225	-45.9005	-0.0002	37.7252	37.8551
0.5371	0.0026	35.0565	-46.1764	-0.0002	39.1436	39.367
0.5447	0.0027	33.8425	-46.2316	-0.0002	39.8736	40.0959
0.5531	0.0028	34.4495	-46.342	-0.0001	40.6967	40.9331
0.5605	0.0029	34.6151	-46.4523	0	41.2869	41.529
0.5679	0.003	34.0632	-47.5009	0	41.7838	42.1053
0.5746	0.0031	34.1184	-47.4457	0.0001	42.2032	42.4943
0.5815	0.0031	33.7873	-47.3905	0.0001	42.6743	42.9671
0.5875	0.0031	34.0632	-47.832	0	43.0418	43.3316
0.5935	0.0031	33.7873	-48.2183	0.0001	43.4145	43.7305
0.5988	0.0033	33.401	-48.9357	0.0002	43.6579	43.9373
0.6037	0.0032	33.5665	-48.7149	0.0002	43.9012	44.1983
0.6097	0.0034	33.7873	-48.8253	0.0003	43.9115	44.2919
0.6126	0.0034	33.8425	-48.9909	0.0002	44.1755	44.5086
0.6173	0.0036	33.5665	-48.8253	0.0005	44.3826	44.745
0.6203	0.0036	33.1251	-48.3838	0.0005	44.5845	44.942

0.6253	0.0037	33.6769	-48.439	0.0006	44.7346	45.1094
0.6267	0.0038	33.2906	-48.8805	0.0007	44.6104	44.9371
0.6299	0.004	32.9043	-48.8805	0.0008	44.481	44.7844
0.6337	0.004	33.1251	-48.7149	0.0009	44.5379	44.8238
0.6359	0.004	33.1251	-48.9357	0.0007	44.5897	44.8337
0.6379	0.0041	33.2906	-49.1564	0.001	44.4654	44.7056
0.6411	0.0043	33.1251	-48.8253	0.0011	44.3723	44.6219
0.6421	0.0044	33.2354	-49.2116	0.0012	44.3101	44.5529
0.6439	0.0045	33.1802	-49.2116	0.0013	44.2014	44.4298
0.6454	0.0045	33.7873	-49.5427	0.0014	44.0358	44.2821
0.6472	0.0047	33.6217	-49.7083	0.0015	43.9167	44.1885
0.6474	0.0047	33.3458	-49.4324	0.0016	43.9167	44.1343
0.6503	0.0049	33.1251	-49.8738	0.0017	43.8649	44.1392
0.6502	0.0051	33.0147	-49.0461	0.0017	43.8753	44.1195
0.6506	0.0052	32.9595	-49.0461	0.0021	43.8805	44.1195
0.6502	0.0053	33.2906	-48.9909	0.0021	43.8856	44.0949
0.6504	0.0055	33.2906	-48.8253	0.002	43.8287	44.0604
0.6508	0.0056	33.2354	-48.8805	0.0024	43.8132	44.0604
0.6516	0.0057	33.1251	-49.1564	0.0025	43.7976	44.0752
0.6517	0.0059	33.4562	-48.8805	0.0027	43.9322	44.1589
0.6516	0.006	33.3458	-49.2116	0.0028	43.9374	44.1885
0.6511	0.0061	33.6769	-49.1012	0.003	43.9581	44.2377
0.6493	0.0063	33.5114	-49.2668	0.0031	43.9685	44.2525
0.6488	0.0066	33.5114	-49.322	0.0032	43.9374	44.2279
0.6485	0.0066	33.4562	-49.2116	0.0034	43.9788	44.223
0.6479	0.0069	33.1802	-49.0461	0.0036	43.808	44.0752
0.6484	0.007	33.4562	-49.2668	0.0036	43.8908	44.1639
0.6475	0.0073	33.5665	-48.9909	0.0038	43.9944	44.218
0.647	0.0073	33.3458	-48.9357	0.004	44.0409	44.2673
0.6474	0.0075	33.2354	-48.8253	0.0039	44.072	44.3609
0.6463	0.0076	33.2354	-48.8253	0.0044	44.1031	44.3559
0.6463	0.0077	33.3458	-49.5979	0.0046	44.2014	44.4446
0.6442	0.008	33.0699	-49.2116	0.0048	44.2377	44.5332
0.6441	0.0081	33.5114	-49.4875	0.0049	44.2636	44.5579
0.6426	0.0083	33.3458	-49.6531	0.005	44.217	44.5628
0.6423	0.0086	33.1251	-49.7083	0.0052	44.2532	44.6071
0.6411	0.0088	32.9595	-49.5979	0.0055	44.2428	44.612
0.6395	0.009	32.9043	-50.3705	0.0056	44.3205	44.6564

0.6381	0.0093	32.7939	-49.8738	0.006	44.2946	44.5923
0.6373	0.0093	32.8491	-49.929	0.0061	44.248	44.5628
0.6352	0.0096	32.518	-49.6531	0.0061	44.2377	44.5185
0.6342	0.0099	32.6836	-49.1564	0.0064	44.2221	44.4988
0.6315	0.0101	32.4076	-49.2116	0.0067	44.16	44.3609
0.6319	0.0103	32.6284	-49.2668	0.007	44.3153	44.548
0.63	0.0105	32.4076	-49.5979	0.0071	44.4603	44.7204
0.6288	0.0107	32.1317	-49.8738	0.0075	44.481	44.7696
0.6269	0.011	32.0213	-50.2601	0.0077	44.5327	44.8534
0.6248	0.0112	31.911	-50.1498	0.0077	44.6104	44.942
0.6245	0.0114	31.635	-50.4809	0.0082	44.7398	45.0651
0.6228	0.0117	31.635	-50.5361	0.0081	44.833	45.1341
0.6208	0.0118	31.0832	-50.5913	0.0086	44.8692	45.2227
0.6186	0.0121	31.028	-50.7016	0.0089	44.8227	45.1538
0.6167	0.0124	30.9176	-51.2535	0.0092	44.9573	45.3163
0.6143	0.0127	30.8625	-50.812	0.0095	45.154	45.4739
0.6118	0.013	30.8073	-51.1431	0.0098	45.3041	45.6857
0.6094	0.0132	30.421	-50.9224	0.0098	45.5215	45.8383
0.6062	0.0136	30.6417	-50.4809	0.0101	45.7079	46.055
0.6041	0.0138	30.5865	-50.9224	0.0105	45.8787	46.1979
0.6018	0.014	30.8625	-51.4742	0.0109	45.9771	46.2865
0.6	0.0144	30.9728	-51.1983	0.0112	45.6	46.3456
0.5968	0.0148	31.1384	-51.3638	0.0116	45.6	46.4293
0.5923	0.0152	30.9176	-51.5294	0.0118	45.6	46.3161
0.5895	0.0155	31.1384	-51.8053	0.0121	45.6	46.0649
0.5935	0.0159	31.4143	-54.1231	0.0123	45.6	46.0452
0.5985	0.0162	31.8558	-53.5713	0.0124	45.6	45.9565
0.6005	0.0166	31.7454	-54.2335	0.0129	45.6	45.9221
0.6029	0.017	31.7454	-54.7853	0.0136	45.6	45.8088
0.6046	0.0174	31.9662	-52.9642	0.0138	45.3921	45.8236
0.6058	0.018	31.5247	-53.0194	0.0141	45.3662	45.8137
0.6064	0.0185	31.5247	-51.9709	0.0145	45.3196	45.7842
0.6073	0.0188	31.4695	-53.2402	0.0147	45.361	45.8039
0.6087	0.0193	31.5799	-55.0061	0.015	45.4387	45.8482
0.6098	0.0196	31.3039	-55.7235	0.0154	45.3041	45.7448
0.6122	0.0202	31.5247	-56.165	0.016	45.3714	45.8433
0.6147	0.0207	31.5799	-56.9376	0.0165	45.3714	45.8728
0.6156	0.0212	32.0213	-56.9376	0.0169	45.4335	45.9171

0.6166	0.0218	32.0765	-58.9242	0.0175	45.4283	45.9418
0.6174	0.0222	31.911	-57.5446	0.0179	45.4128	45.9319
0.6194	0.0229	31.8558	-59.6417	0.0184	45.3766	45.9418
0.6207	0.0234	32.3525	-57.2687	0.019	45.3818	45.9418
0.621	0.024	32.2973	-62.0698	0.0196	45.361	45.927
0.6186	0.0246	32.0213	-94.574	0.0202	45.3352	45.858
0.6154	0.0256	31.8006	-135.7976	0.0209	45.2471	45.7251

0.2158	0.0249	-0.2235	-5.7862	0.0202	21.9879	21.8183
0.5242	0.0017	29.8691	-100.4237	-0.0003	17.8047	22.642
0.4626	0.0025	41.5684	-44.3553	-0.0003	18.3896	22.6716
0.4798	0.0026	42.7273	-43.8586	-0.0002	18.3172	22.7898
0.4951	0.0026	42.5066	-43.5827	-0.0004	18.6744	22.8193
0.5096	0.0027	44.107	-42.9205	-0.0003	19.6062	23.0557
0.5223	0.0027	43.7207	-42.479	-0.0004	23.375	24.2722
0.5336	0.0028	43.1136	-44.2449	-0.0003	27.708	28.4977
0.5437	0.0028	40.5199	-46.1212	-0.0003	32.6208	33.5605
0.5528	0.003	41.3477	-45.9005	-0.0002	35.9236	36.944
0.5607	0.003	41.3477	-47.0042	-0.0003	37.6061	38.6972
0.5691	0.003	40.9614	-48.0527	-0.0003	38.7968	39.8743
0.5767	0.0031	40.9614	-48.1079	-0.0003	39.858	40.9971
0.5842	0.0032	40.7406	-48.4942	-0.0002	40.7744	41.9378
0.5904	0.0033	40.5199	-48.3287	-0.0001	41.4939	42.5583
0.598	0.0033	40.1888	-48.6046	0	42.1307	43.1149
0.6044	0.0035	39.7473	-49.0461	0	42.5759	43.5581
0.6102	0.0035	39.1955	-49.322	0.0001	43.0418	43.9866
0.6163	0.0037	39.6921	-48.8253	0.0003	43.3524	44.3412
0.6215	0.0037	39.1403	-49.2116	0.0002	43.6061	44.5776
0.6264	0.0039	39.3058	-49.2668	0.0004	43.8235	44.7943
0.6312	0.0039	39.0299	-48.4942	0.0004	43.8391	44.8829
0.6344	0.0041	38.478	-49.1012	0.0006	43.9426	44.9371
0.6389	0.0042	38.9195	-48.4942	0.0007	44.0461	44.9962
0.6424	0.0044	38.6988	-49.322	0.0009	44.0047	44.9469
0.6455	0.0047	39.4162	-48.4942	0.0011	44.1134	45.0602
0.6474	0.0048	38.4229	-49.929	0.0012	44.1082	45.0799
0.6498	0.0049	38.6436	-49.4324	0.0013	44.1652	45.1242
0.6525	0.0052	38.8092	-49.5427	0.0015	44.1031	45.0996

0.6548	0.0053	38.9195	-49.322	0.0017	44.0565	45.1291
0.6575	0.0056	38.6436	-49.1564	0.0016	44.1082	45.1538
0.6595	0.0058	39.0299	-48.7701	0.0021	44.1134	45.1292
0.6614	0.0059	38.4229	-48.8805	0.0022	44.0668	45.075
0.6623	0.0062	38.754	-48.7701	0.0023	44.0513	45.0504
0.6639	0.0062	38.2021	-48.9357	0.0025	43.9633	44.9617
0.6658	0.0065	38.478	-48.6598	0.0026	43.9944	45.011
0.6669	0.0066	38.2021	-48.6598	0.003	43.8856	44.878
0.667	0.007	38.3677	-48.9357	0.003	43.7459	44.7696
0.6677	0.0071	38.478	-48.9909	0.0032	43.7252	44.7204
0.6682	0.0072	38.1469	-48.6046	0.0035	43.5699	44.5973
0.669	0.0075	38.2021	-48.4942	0.0037	43.5647	44.5825
0.6693	0.0074	37.7606	-49.1012	0.0036	43.5388	44.5579
0.6692	0.0076	37.8158	-49.2668	0.0037	43.4456	44.4741
0.6689	0.0078	37.7606	-48.9909	0.0041	43.3835	44.3953
0.6687	0.0079	37.6503	-49.1564	0.0044	43.368	44.3313
0.668	0.0081	37.871	-48.5494	0.0045	43.3421	44.2328
0.6673	0.0083	37.9814	-49.2668	0.0047	43.487	44.287
0.6667	0.0085	37.9262	-49.4324	0.0048	43.7252	44.6564
0.6663	0.0089	37.7606	-48.8253	0.0051	43.9788	44.9125
0.6646	0.009	37.4295	-49.7083	0.0053	44.0979	44.9765
0.6637	0.0092	37.5951	-49.4875	0.0053	44.393	45.2326
0.662	0.0094	37.0432	-49.4875	0.0055	44.5535	45.3606
0.6613	0.0095	36.6569	-49.9842	0.0057	44.7554	45.5921
0.6593	0.0097	37.1536	-49.8738	0.0059	44.9365	45.7546
0.6606	0.01	36.9328	-49.322	0.0062	45.0711	45.8334
0.6613	0.0101	37.264	-49.8187	0.0064	45.0711	45.8728
0.6603	0.0102	37.0984	-49.7083	0.0067	45.0194	45.9122
0.66	0.0107	37.4295	-49.6531	0.0068	45.0194	45.8531
0.6587	0.011	37.2088	-49.1012	0.007	44.978	45.8236
0.6582	0.011	36.988	-49.5427	0.0072	44.7346	45.5872
0.6577	0.0113	36.988	-49.7083	0.0074	44.7346	45.5675
0.6567	0.0115	37.3743	-49.1564	0.0077	44.7398	45.5675
0.6558	0.0118	37.264	-48.9909	0.0079	44.7916	45.5281
0.6542	0.0121	36.9329	-49.1564	0.0081	44.7243	45.4887
0.6535	0.0124	37.871	-49.2668	0.0084	44.7191	45.4936
0.6512	0.0127	37.4847	-49.3772	0.0086	44.7916	45.5379
0.6496	0.0129	37.3743	-49.5427	0.009	44.6777	45.5231

0.6486	0.013	37.7606	-49.5979	0.0092	44.6363	45.5281
0.6472	0.0135	37.5399	-48.9909	0.0095	44.6208	45.5182
0.646	0.0138	37.6503	-48.6046	0.0098	44.6415	45.5478
0.6448	0.0141	38.1469	-48.5494	0.0102	44.6	45.4837
0.6431	0.0144	37.871	-48.6046	0.0104	44.5276	45.3852
0.641	0.0146	37.7606	-48.8253	0.0105	44.4085	45.3212
0.6392	0.015	38.0917	-48.7149	0.011	44.4447	45.3458
0.6379	0.0153	37.871	-48.7701	0.0113	44.4344	45.3212
0.6352	0.0155	38.0918	-48.9357	0.0115	44.3205	45.2276
0.6339	0.0159	38.0366	-48.6046	0.0119	44.2843	45.2326
0.6326	0.0162	38.478	-48.1079	0.0123	44.0409	45.1784
0.6298	0.0165	37.9814	-47.8872	0.0125	44.217	45.1685
0.6276	0.0168	38.3677	-47.6112	0.0129	44.2532	45.1833
0.6247	0.0171	38.3125	-47.2801	0.0131	44.2635	45.1144
0.6222	0.0174	38.1469	-47.6664	0.0136	44.2325	45.1094
0.6195	0.0178	38.1469	-47.9975	0.0138	44.2066	45.1045
0.6168	0.0182	38.6436	-48.5494	0.0143	44.3153	45.1685
0.6148	0.0186	38.4229	-48.3286	0.0146	44.5069	45.2326
0.6134	0.0188	38.5884	-47.9423	0.0151	44.7036	45.5133
0.6104	0.0192	38.478	-47.9975	0.0155	44.9262	45.7842
0.608	0.0197	38.5332	-48.5494	0.0159	45.2523	46.0698
0.6057	0.0202	38.3677	-48.439	0.0164	45.4594	46.252
0.6031	0.0205	38.2573	-48.3286	0.0166	45.7338	46.4786
0.6004	0.021	37.7606	-48.439	0.0172	45.858	46.5574
0.5979	0.0215	38.4229	-48.1631	0.0177	45.9305	46.6411
0.5951	0.0221	37.9262	-48.3286	0.0182	45.9408	46.7347
0.5925	0.0225	38.0917	-48.2735	0.0188	45.9874	46.8036
0.5899	0.0229	38.3125	-48.2735	0.0192	45.9305	46.6706
0.5871	0.0236	38.3125	-47.9423	0.02	45.8477	46.5968
0.5846	0.0243	38.478	-48.0527	0.0205	45.6975	46.5229
0.5812	0.0248	37.9814	-47.9975	0.021	45.5526	46.3949
0.5783	0.0255	38.2573	-48.1079	0.0215	45.5008	46.3653
0.575	0.0261	38.5332	-47.7216	0.0223	45.4491	46.3161
0.572	0.0268	38.3677	-47.6664	0.0229	45.4128	46.3407
0.5684	0.0273	38.1469	-47.9975	0.0235	45.3559	46.3259
0.5649	0.0281	37.9814	-48.1631	0.0242	45.3144	46.3062
0.5612	0.029	38.4229	-47.3905	0.025	45.3144	46.3062
0.5574	0.0297	38.9747	-47.8872	0.0257	45.2264	46.2717

0.5539	0.0304	39.1955	-47.3905	0.0266	45.1488	46.2126
0.5489	0.0314	38.6436	-47.6664	0.0275	45.1591	46.1782
0.5442	0.0322	38.754	-47.9423	0.0285	45.2006	46.3358
0.5358	0.0332	38.5332	-47.3905	0.0293	45.2161	46.2619
0.5154	0.0346	37.3191	-48.3838	0.0309	45.3818	46.4441
0.4783	0.0366	36.381	-48.3838	0.0329	45.739	46.7839
0.4219	0.0386	35.3325	-49.1012	0.0341	45.8528	46.7691

0.2267	0.0146	-19.345	-22.9709	0.0128	23.9774	22.9708
0.4781	0.0017	29.6484	-118.4693	-0.0006	16.2102	20.2731
0.433	0.0023	32.4628	-45.5142	-0.0007	17.4785	21.7703
0.443	0.0024	32.4076	-45.2934	-0.0006	17.8927	22.8587
0.453	0.0023	32.9043	-45.5142	-0.0007	18.6847	23.7156
0.4628	0.0023	33.3458	-45.7901	-0.0007	22.2878	25.2424
0.4723	0.0023	34.7806	-46.8938	-0.0007	28.3137	29.4236
0.4815	0.0023	35.2773	-47.8872	-0.0006	33.0091	34.4667
0.4908	0.0023	35.0014	-48.7701	-0.0006	36.3792	38.0915
0.4997	0.0024	34.8358	-49.1012	-0.0006	38.1756	39.9678
0.5075	0.0025	34.6151	-49.5427	-0.0005	39.2679	41.1449
0.5142	0.0025	34.3391	-49.9842	-0.0005	40.3188	42.1742
0.5221	0.0024	34.008	-50.3705	-0.0005	41.1367	42.8883
0.5282	0.0025	33.5665	-50.5913	-0.0006	41.8822	43.5433
0.5358	0.0025	33.6217	-50.0394	-0.0007	42.4775	44.1737
0.541	0.0026	33.9528	-49.929	-0.0005	42.9124	44.6071
0.5467	0.0027	33.7873	-49.9842	-0.0005	43.2851	45.0011
0.5519	0.0027	33.7873	-49.8738	-0.0004	43.5233	45.272
0.5567	0.0026	33.7321	-50.3153	-0.0007	43.7717	45.6019
0.5626	0.0026	33.1251	-50.5912	-0.0006	44.0875	45.8777
0.5683	0.0026	33.0699	-50.2601	-0.0005	44.2998	46.0255
0.5746	0.0026	32.9595	-50.812	-0.0006	44.512	46.2816
0.5802	0.0026	32.8491	-50.5913	-0.0009	44.7398	46.4638
0.5854	0.0027	33.2354	-51.0327	-0.0005	45.0349	46.6559
0.5886	0.0026	33.5665	-51.695	-0.0008	45.2213	46.8479
0.5923	0.0028	33.8425	-72.8862	-0.0005	45.3041	46.7987
0.5959	0.0028	34.284	-92.8081	-0.0005	45.3507	46.8775
0.5995	0.0028	34.3391	-93.36	-0.0005	45.4698	46.9021
0.6023	0.0028	34.0632	-95.2915	-0.0006	45.5319	46.9957

0.6038	0.0028	34.3943	-93.1392	-0.0005	45.5888	47.0055
0.6063	0.0029	34.284	-87.7862	-0.0006	45.7338	47.1779
0.6077	0.0029	33.9528	-92.3666	-0.0006	45.7234	47.2469
0.6093	0.0029	33.8977	-99.9822	-0.0007	45.6717	47.1336
0.6112	0.0029	33.7321	-100.9756	-0.0006	45.3559	47.0745
0.6129	0.0029	34.008	-99.5407	-0.0006	45.1643	46.9317
0.6138	0.0029	33.6769	-101.1411	-0.0006	44.9365	46.8036
0.6152	0.0029	33.7873	-102.1896	-0.0006	44.7605	46.5918
0.6167	0.0031	34.0632	-101.7481	-0.0005	44.5949	46.4736
0.618	0.0031	34.5599	-105.9974	-0.0005	44.4603	46.4884
0.62	0.0031	34.1184	-106.77	-0.0004	44.5845	46.5574
0.6209	0.0032	34.2288	-109.2534	-0.0004	44.6415	46.6362
0.6212	0.0032	33.9528	-114.9375	-0.0005	44.8589	46.7593
0.6227	0.0032	34.2288	-114.7719	-0.0004	44.7761	46.7691
0.6241	0.0031	34.1736	-113.2267	-0.0004	44.8485	46.843
0.6252	0.0031	34.1736	-113.8338	-0.0004	44.9624	46.9218
0.627	0.0032	34.1184	-111.3504	-0.0003	45.1126	46.9908
0.627	0.0033	34.2288	-108.6463	-0.0002	45.1488	47.0548
0.6273	0.0033	34.1736	-113.5578	-0.0003	45.1126	47.0991
0.6281	0.0034	34.2288	-116.2619	-0.0002	45.185	47.1434
0.6293	0.0035	34.284	-116.869	-0.0001	45.2368	47.2075
0.6312	0.0034	34.4495	-117.9727	-0.0002	45.2937	47.2272
0.6331	0.0035	34.6702	-121.339	-0.0002	45.33	47.3109
0.635	0.0035	34.8358	-122.7186	-0.0001	45.3766	47.3355
0.6373	0.0036	34.9462	-123.8223	0	45.4232	47.3601
0.6388	0.0036	35.0565	-126.7472	0	45.4594	47.3257
0.6393	0.0037	34.891	-125.6986	0	45.3507	47.2961
0.6403	0.0038	34.9462	-128.2372	0.0002	45.2782	47.2075
0.6429	0.0038	35.0565	-123.6016	0.0001	45.3352	47.2272
0.6439	0.0039	35.0565	-124.7605	0.0001	45.361	47.2222
0.6457	0.004	35.5532	-125.6986	0.0001	45.4076	47.1484
0.6467	0.0041	35.3877	-129.2305	0.0001	45.3455	47.0991
0.6475	0.004	35.4429	-126.5264	0.0003	45.242	46.9908
0.6479	0.0042	35.6636	-127.2438	0.0002	45.1074	46.8036
0.6481	0.0043	34.9462	-126.5816	0.0003	44.9262	46.6559
0.6481	0.0044	34.9462	-120.5112	0.0005	44.9314	46.6362
0.6483	0.0044	34.7806	-129.0098	0.0006	44.9831	46.6756
0.6482	0.0045	35.0014	-136.0735	0.0006	44.9107	46.779

0.6482	0.0045	34.6151	-135.6872	0.0008	44.8951	46.8578
0.6488	0.0047	34.7254	-140.3228	0.0008	45.1281	46.9908
0.6479	0.0047	34.9462	-138.4465	0.001	45.1902	47.0991
0.6482	0.0048	34.7254	-142.9165	0.001	45.242	47.2124
0.6485	0.0049	35.3877	-145.0687	0.0012	45.5215	47.3355
0.6485	0.0049	35.2221	-145.2895	0.0012	45.5578	47.4094
0.6498	0.0051	35.1117	-147.2761	0.0014	45.682	47.5424
0.6494	0.0053	35.4428	-148.8765	0.0015	45.8114	47.6803
0.6519	0.0055	35.6084	-150.2561	0.0016	46.0133	47.828
0.6525	0.0057	35.4429	-154.2847	0.0018	45.9874	47.9413
0.6558	0.0058	35.5532	-151.9669	0.0019	46.1427	48.0545
0.6565	0.006	35.6636	-150.4217	0.0021	46.2722	48.0939
0.6571	0.0062	35.6084	-149.0421	0.0024	46.4534	48.222
0.6556	0.0065	35.6636	-151.1943	0.0024	46.3757	48.3008
0.6563	0.0065	35.498	-153.6225	0.0026	46.6242	48.3402
0.6565	0.0068	35.5532	-154.7813	0.0028	46.6087	48.3402
0.6572	0.007	35.2773	-158.1477	0.0031	46.6449	48.5224
0.6579	0.0072	35.0014	-160.4103	0.0032	46.7226	48.5323
0.659	0.0073	35.1117	-161.514	0.0036	46.6138	48.4141
0.6607	0.0076	35.2221	-159.9688	0.0037	46.4844	48.3205
0.6614	0.008	35.5532	-156.7129	0.004	46.4068	48.2368
0.6627	0.0082	35.6636	-160.2999	0.0044	46.1738	48.1432
0.6632	0.0085	35.8291	-162.121	0.0046	46.0599	48.0348
0.6631	0.0089	36.1051	-164.1629	0.0049	45.8891	47.9413
0.6641	0.0091	35.9395	-165.7081	0.0052	45.946	47.8231
0.6655	0.0095	36.1051	-167.474	0.0056	45.9874	47.9265
0.6652	0.0098	36.1603	-164.9907	0.006	46.0599	48.0595
0.6656	0.0102	36.1051	-164.4388	0.0063	46.2515	48.1777
0.666	0.0105	36.0499	-163.0592	0.0066	46.2929	48.2515
0.6661	0.0109	36.1051	-164.7147	0.0071	46.2877	48.3156
0.6653	0.0113	35.9947	-166.1496	0.0073	46.5051	48.4633
0.6641	0.0116	35.8291	-168.081	0.0075	46.4534	48.5569
0.6651	0.0119	36.2154	-167.0877	0.008	46.5983	48.6505
0.6664	0.0123	36.381	-170.1229	0.0085	46.7536	48.7588
0.6678	0.0128	35.8843	-162.7832	0.0088	46.883	48.8376
0.6683	0.0132	36.2706	-167.1981	0.0094	46.795	48.8721
0.669	0.0137	36.1051	-173.5996	0.0096	46.8779	48.9213
0.6706	0.0141	35.6636	-176.1381	0.0101	46.9296	48.9854

0.6706	0.0146	35.8291	-188.2237	0.0108	46.971	48.946
0.3496	0.0082	-108.2	-113.2157	0.0068	24.9978	22.8954
0.4953	0.0013	33.0147	-108.5911	-0.0008	16.7693	22.9375
0.4445	0.0018	35.4428	-64.0565	-0.0007	17.7736	23.6615
0.4516	0.0019	36.988	-74.8177	-0.0007	18.1308	24.0604
0.4609	0.0018	38.3677	-80.5569	-0.0007	18.9487	24.4347
0.4683	0.0019	40.0784	-84.751	-0.0006	23.1989	26.05
0.4767	0.0019	41.2925	-79.674	-0.0007	29.3283	30.3495
0.4862	0.0019	39.2506	-76.0869	-0.0006	34.3965	35.5601
0.4894	0.0019	43.831	-80.6121	-0.0006	37.9323	39.2439
0.4945	0.0019	46.9214	-81.7158	-0.0008	39.915	41.2976
0.4981	0.0021	47.5285	-82.7092	-0.0006	41.2144	42.583
0.5007	0.0021	45.8729	-80.5569	-0.0007	42.2498	43.5778
0.5074	0.002	44.5484	-85.4684	-0.0007	42.9279	44.2919
0.5122	0.002	44.6036	-84.3095	-0.0007	43.3317	44.7549
0.5161	0.0021	45.1003	-85.7995	-0.0007	43.5233	44.9715
0.5203	0.002	45.5418	-87.4551	-0.0006	43.751	45.2227
0.5241	0.0021	45.8729	-86.4618	-0.0006	43.9892	45.4936
0.5274	0.0021	46.5351	-86.7377	-0.0008	44.2687	45.7251
0.5315	0.0021	46.4248	-86.6825	-0.0006	44.4137	45.9171
0.5344	0.0022	46.7559	-84.3095	-0.0006	44.5586	46.1141
0.5374	0.0023	45.7625	-81.9366	-0.0008	44.6622	46.1929
0.5423	0.0022	46.3144	-85.634	-0.0007	44.8278	46.3998
0.5473	0.0023	47.1422	-83.537	-0.0006	45.0867	46.6263
0.5521	0.0023	46.7559	-81.0536	-0.0006	45.3818	46.843
0.5579	0.0023	46.1488	-86.6825	-0.0006	45.5526	46.976
0.5641	0.0023	45.4314	-86.5722	-0.0006	45.7182	47.1828
0.5682	0.0024	45.8177	-88.8899	-0.0006	45.7959	47.2764
0.5742	0.0024	44.6588	-87.5103	-0.0005	45.8632	47.4045
0.5801	0.0024	45.5418	-84.3095	-0.0005	45.9926	47.4931
0.585	0.0024	45.3762	-88.3933	-0.0005	46.0703	47.6064
0.5912	0.0025	45.7625	-90.2144	-0.0006	46.1893	47.6803
0.5958	0.0025	44.8796	-86.7929	-0.0006	46.3136	47.7689
0.5995	0.0025	45.2659	-91.7044	-0.0006	46.3395	47.828
0.6043	0.0025	45.321	-83.4818	-0.0005	46.4275	47.8477
0.6073	0.0025	45.2659	-92.2011	-0.0005	46.179	47.6162
0.6104	0.0026	45.2659	-86.2962	-0.0004	45.9564	47.3404
0.6134	0.0026	44.8796	-91.4285	-0.0005	45.7493	47.2075

0.6156	0.0026	45.8177	-89.6625	-0.0006	45.5422	47.0105
0.6181	0.0026	45.4866	-90.987	-0.0004	45.3196	46.7642
0.6208	0.0026	45.7625	-90.7663	-0.0004	45.097	46.6312
0.6227	0.0027	45.8729	-91.9803	-0.0005	44.9987	46.4835
0.6258	0.0027	45.8729	-90.4903	-0.0003	44.8537	46.3555
0.6283	0.0028	45.8729	-92.5322	-0.0004	44.833	46.3308
0.6313	0.0028	46.0936	-92.6425	-0.0004	44.9987	46.5229
0.6332	0.0028	46.6455	-98.1611	-0.0004	45.2213	46.7199
0.6344	0.0027	46.4799	-98.0507	-0.0004	45.2679	46.7544
0.6369	0.0027	46.204	-98.3818	-0.0004	45.3818	46.8529
0.6395	0.0028	46.4799	-98.8785	-0.0004	45.4905	46.9563
0.6415	0.0029	46.4247	-99.2096	-0.0003	45.5371	47.0597
0.6431	0.0028	46.5351	-100.0926	-0.0003	45.6924	47.1631
0.6458	0.0029	47.087	-100.6444	-0.0002	45.7286	47.2321
0.648	0.0029	47.0318	-101.693	-0.0002	45.827	47.301
0.6506	0.0029	47.1973	-102.4656	-0.0002	45.8943	47.3651
0.6531	0.0029	47.3629	-102.3552	-0.0002	46.0081	47.4685
0.6548	0.003	47.1973	-103.5141	-0.0002	46.1169	47.5965
0.6578	0.003	46.4247	-103.6245	-0.0002	45.8684	47.3848
0.661	0.003	46.7007	-105.1145	-0.0002	45.5992	47.0794
0.6649	0.0031	46.7559	-101.693	-0.0001	45.4232	46.8529
0.6667	0.0032	46.5903	-105.1696	-0.0001	45.2575	46.6854
0.6696	0.0032	47.1422	-109.6949	0	44.9365	46.449
0.6727	0.0033	47.1422	-106.4389	0.0001	44.6932	46.2373
0.6759	0.0034	47.8044	-106.163	0.0001	44.5276	46.0846
0.6792	0.0034	47.4733	-108.2048	0.0003	44.512	46.0058
0.6814	0.0036	47.8596	-108.0945	0.0003	44.4189	45.9171
0.6849	0.0036	47.8596	-107.0459	0.0004	44.3723	45.8482
0.6874	0.0037	48.1355	-106.6597	0.0003	44.6052	46.0944
0.6906	0.0037	48.5218	-106.2734	0.0006	44.8848	46.3751
0.6922	0.0039	47.9148	-108.5911	0.0005	45.1695	46.6165
0.6938	0.0039	48.1907	-108.0945	0.0006	45.2161	46.7051
0.696	0.0041	48.0803	-108.3152	0.0007	45.4646	46.9169
0.6988	0.0041	47.7492	-110.8537	0.0008	45.7493	47.1631
0.7015	0.0043	47.5285	-111.6263	0.0009	45.9771	47.3798
0.7039	0.0044	47.7492	-110.1915	0.0009	46.1324	47.5374
0.707	0.0046	48.7425	-113.9993	0.0011	46.2308	47.6458
0.7091	0.0047	47.9148	-112.0126	0.0012	46.2877	47.7246

0.7108	0.0048	48.5218	-116.2619	0.0014	46.2722	47.7098
0.7137	0.0051	49.6255	-113.3923	0.0015	46.4119	47.8181
0.7149	0.0052	49.6255	-113.7234	0.0015	46.3809	47.8329
0.7173	0.0054	50.3429	-115.2686	0.0018	46.1738	47.6015
0.7207	0.0055	50.5085	-114.3304	0.0021	46.0237	47.5424
0.7222	0.0058	51.2259	-114.1649	0.0022	45.7959	47.301
0.7242	0.006	51.9433	-114.496	0.0025	45.6251	47.1139
0.7269	0.0062	50.4533	-115.986	0.0027	45.5008	47.0302
0.7294	0.0065	50.0118	-115.3238	0.0028	45.3973	46.9317
0.7313	0.0067	49.0737	-113.3923	0.003	45.2523	46.8529
0.733	0.007	48.5218	-109.5845	0.0035	45.154	46.7691
0.7348	0.0073	47.6388	-108.4808	0.0037	45.3766	46.9908
0.7364	0.0075	48.0803	-108.5911	0.0039	45.4646	47.0745
0.7373	0.0079	48.1907	-108.26	0.0041	45.5474	47.1878
0.7381	0.0081	47.6388	-108.3152	0.0044	45.7752	47.4242
0.7396	0.0084	47.4733	-109.9156	0.0046	45.8994	47.5719
0.7403	0.0087	46.9766	-112.0678	0.0048	45.9771	47.7197
0.7411	0.0089	47.1422	-115.3238	0.0051	46.1583	47.9019
0.7429	0.0092	47.4181	-112.2886	0.0053	46.1945	48.1038
0.7439	0.0095	49.6255	-114.8823	0.0057	46.1997	48.1481
0.7448	0.0099	49.6255	-116.1515	0.006	46.267	48.2762
0.7459	0.0102	48.0251	-117.4208	0.0064	46.4016	48.355
0.7449	0.0106	47.5836	-116.5378	0.0067	46.4741	48.5273
0.7467	0.0109	47.9148	-115.8204	0.0069	46.5414	48.6603
0.7482	0.0113	48.4666	-116.2619	0.0075	46.5362	48.6308
0.7488	0.0117	48.6874	-117.6967	0.0079	46.3084	48.4584
0.7494	0.0121	48.6874	-118.9108	0.0082	46.1842	48.3993
0.7493	0.0125	49.5151	-119.4075	0.0087	46.0962	48.2712
0.75	0.013	49.8462	-124.7605	0.0091	45.9823	48.1186
0.7466	0.0135	49.5151	-161.6243	0.0096	45.7597	47.8871

0.2893	0.0085	4.6935	-6.4815	0.0036	23.19	22.1951
0.5127	0.0016	23.9643	-118.0278	-0.0006	18.0376	21.3221
0.4494	0.0023	29.2069	-52.5779	-0.0006	18.079	22.8981
0.4522	0.0023	30.5313	-103.2933	-0.0006	18.4621	23.233
0.4594	0.0024	34.0632	-137.5083	-0.0008	19.1248	23.4694
0.4709	0.0024	48.0251	-129.7823	-0.0007	22.293	25.001
0.4835	0.0023	47.5285	-85.9651	-0.0008	28.3551	29.4778

0.4907	0.0023	49.5703	-100.3685	-0.0006	33.1074	34.8065
0.4966	0.0024	51.9433	-142.4198	-0.0007	36.5138	38.6086
0.5077	0.0022	33.1802	-134.7491	-0.0007	38.745	40.746
0.5167	0.0023	32.6284	-125.3123	-0.0005	40.0807	42.1988
0.5228	0.0022	32.9595	-131.162	-0.0007	41.292	43.2429
0.5291	0.0023	32.9043	-157.9821	-0.0006	42.0375	43.9422
0.5352	0.0023	32.9043	-149.925	-0.0006	42.8451	44.617
0.5396	0.0023	32.4076	-165.984	-0.0006	43.4767	45.0897
0.5479	0.0023	32.6284	-146.338	-0.0007	43.7769	45.3705
0.5578	0.0024	32.6284	-148.9869	-0.0006	44.2635	45.8137
0.567	0.0024	32.5732	-151.8013	-0.0006	44.5845	46.1191
0.576	0.0024	32.5732	-163.9973	-0.0007	44.7036	46.2077
0.5857	0.0025	32.2973	-171.5577	-0.0006	44.7295	46.3111
0.5958	0.0024	32.4076	-170.1781	-0.0007	44.833	46.454
0.6064	0.0024	32.6284	-140.2124	-0.0006	45.0401	46.6066
0.6138	0.0026	32.9043	-135.9631	-0.0007	45.0711	46.6411
0.619	0.0026	32.6836	-157.5406	-0.0006	45.0453	46.5918
0.6253	0.0025	33.0147	-166.7566	-0.0006	45.0297	46.582
0.63	0.0026	32.9595	-182.9811	-0.0006	44.8692	46.5721
0.6371	0.0026	32.7388	-187.4511	-0.0006	44.9262	46.5771
0.6448	0.0026	33.0699	-179.6148	-0.0007	45.1177	46.6706
0.6534	0.0026	32.9043	-145.8413	-0.0006	45.3921	46.8775
0.6593	0.0027	32.9043	-171.4473	-0.0006	45.4801	46.9563
0.666	0.0028	32.7939	-191.6452	-0.0006	45.4905	47.0252
0.6721	0.0028	33.0147	-194.7356	-0.0006	45.5733	47.1434
0.679	0.0029	33.0147	-204.8897	-0.0007	45.506	47.0696
0.6869	0.0029	32.6284	-206.3797	-0.0005	45.5785	47.2222
0.6951	0.003	32.5732	-206.766	-0.0006	45.5992	47.2124
0.706	0.0029	32.9595	-144.2409	-0.0005	45.915	47.4045
0.7144	0.0029	32.7939	-125.9194	-0.0005	45.9667	47.4537
0.7208	0.003	32.9043	-165.9288	-0.0004	45.915	47.4143
0.7288	0.003	32.7939	-167.1429	-0.0004	45.8943	47.4242
0.7372	0.003	32.2973	-159.0858	-0.0004	45.9253	47.4537
0.7442	0.0031	32.7388	-173.8203	-0.0003	45.8321	47.3848
0.7543	0.0032	32.6284	-133.0383	-0.0003	45.8218	47.2272
0.7644	0.0031	32.7939	-54.5094	-0.0003	45.9564	47.2715
0.7721	0.0031	33.6217	-51.1431	-0.0003	45.8011	47.2025
0.7794	0.0033	33.401	-51.1431	-0.0002	45.7493	47.0794

0.7849	0.0033	33.5114	-74.2106	-0.0002	45.5526	46.9317
0.7887	0.0034	33.2906	-134.1972	-0.0002	45.33	46.8578
0.7939	0.0035	33.1802	-189.7137	-0.0003	45.2161	46.715
0.7995	0.0035	33.401	-213.002	-0.0002	45.1384	46.6263
0.806	0.0035	33.7873	-218.1894	-0.0001	45.1229	46.5968
0.8139	0.0035	33.5114	-161.3484	0	45.3248	46.6756
0.8218	0.0037	33.9528	-96.7263	0	45.5319	46.8627
0.8278	0.0038	34.1736	-91.3181	0.0001	45.6354	46.9563
0.8328	0.0039	33.5114	-132.3761	0.0001	45.6924	46.9809
0.8364	0.0041	33.2354	-184.3607	0.0002	45.7441	47.1779
0.8421	0.0041	33.4562	-176.8003	0.0002	45.9357	47.3404
0.8476	0.0041	33.5665	-171.1162	0.0002	45.9771	47.434
0.8519	0.0042	33.2906	-176.1381	0.0002	45.9978	47.5177
0.8561	0.0044	33.7321	-176.5244	0.0003	46.0806	47.6556
0.861	0.0043	33.3458	-155.4988	0.0004	46.2256	47.6901
0.8646	0.0045	33.5665	-172.22	0.0004	46.3447	47.759
0.8683	0.0045	33.5665	-195.8393	0.0004	46.2981	47.7197
0.8723	0.0047	33.6217	-219.4035	0.0005	46.2877	47.7295
0.8767	0.0047	33.9528	-237.5043	0.0006	46.091	47.5571
0.8809	0.0047	34.008	-245.6718	0.0006	45.8787	47.3109
0.8865	0.0048	34.1184	-204.2275	0.0008	45.8114	47.2222
0.8923	0.0049	34.4495	-191.9763	0.0009	45.7182	47.1188
0.8986	0.0051	34.6151	-166.3151	0.0009	45.6251	47.0991
0.9043	0.0051	34.7254	-153.0706	0.0011	45.6251	47.0449
0.9081	0.0054	34.4495	-163.8318	0.0012	45.6251	47.0006
0.9137	0.0055	34.8358	-182.2637	0.0013	45.6044	47.04
0.9192	0.0057	35.2773	-161.514	0.0015	45.594	47.0745
0.923	0.0058	34.891	-167.3636	0.0016	45.6251	47.0794
0.9285	0.006	35.2221	-188.7756	0.0017	45.7079	47.2173
0.9345	0.0061	35.2773	-208.0353	0.0018	45.8321	47.4143
0.9414	0.0062	35.3877	-194.2941	0.002	46.0392	47.5818
0.9479	0.0064	35.0014	-188.003	0.002	46.2204	47.7738
0.9527	0.0066	35.1117	-198.8745	0.0023	46.3654	47.9216
0.9563	0.0067	37.3743	-233.2551	0.0024	46.3809	47.9413
0.9616	0.007	40.7958	-182.8156	0.0027	46.4482	48.0644
0.9636	0.0072	41.3477	-182.7052	0.0029	46.5051	48.025
0.9647	0.0075	42.0099	-233.1998	0.0031	46.4223	48.0792
0.9677	0.0075	42.0651	-199.3712	0.0032	46.6035	48.1678

0.9687	0.0078	41.4581	-190.2656	0.0034	46.7847	48.2318
0.9695	0.008	43.0584	-200.4749	0.0036	46.8106	48.286
0.9706	0.0084	44.3829	-214.8231	0.004	46.7795	48.2614
0.9714	0.0085	44.714	-158.534	0.0041	46.8364	48.2171
0.9736	0.0086	42.8929	-129.7824	0.0045	46.8313	48.1777
0.9727	0.0091	43.224	-154.8365	0.0048	46.6656	48.1186
0.972	0.0094	44.9899	-200.3645	0.0051	46.4327	48.0545
0.9708	0.0097	44.6036	-193.5767	0.0053	46.3653	47.9413
0.9704	0.0101	45.3762	-213.8849	0.0058	46.3498	47.9019
0.9715	0.0103	44.3829	-179.8355	0.006	46.4223	47.9659
0.971	0.0107	43.4999	-166.3151	0.0065	46.3447	47.8674
0.9708	0.011	43.7207	-171.944	0.0067	46.2929	47.8182
0.9712	0.0115	43.4999	-151.3599	0.007	46.5414	48.0299
0.9711	0.0119	43.9414	-172.9374	0.0075	46.6242	48.0989
0.9703	0.0121	44.6036	-188.0582	0.0076	46.7019	48.2712
0.9706	0.0125	45.0451	-173.7651	0.0081	46.8986	48.4732
0.968	0.013	45.4866	-200.806	0.0085	47.0746	48.6357
0.9684	0.0132	45.4866	-190.376	0.0088	47.2299	48.8081
0.9667	0.0137	45.8729	-206.8764	0.0093	47.2972	48.8672
0.9654	0.0141	45.0451	-224.4254	0.0095	47.2972	48.9361
0.9672	0.0142	45.6522	-190.7071	0.0099	47.3904	49.0346
0.9677	0.0147	45.9281	-160.2447	0.0105	47.4887	49.1479
0.9669	0.0154	44.4933	-179.1733	0.011	47.5301	49.1971
0.9659	0.0161	44.7692	-185.3541	0.0116	47.6026	49.2759
0.9693	0.016	46.0936	-79.1773	0.0118	47.8459	49.5566
0.9688	0.0166	45.7073	-96.1192	0.0122	47.7528	49.4975
0.8775	0.0164	38.6436	-284.3016	0.012	44.9624	46.6657

O00010019.LT10; 3 MAR 2005 am; 3100 psi; failed leak
test in 40 s; QLT = 57 ml/min; O2 flow 1.80; O2 supply
hose tore; terminated empty; JPS

O00010040.LT10; 2 MAR 2005 am; 3000 psi; failed leak
test in 8s; QLT = 210 ml/min; O2 flow = 1.72 L/min;
terminated empty; JPS

O00030053.lt10; 22 December 2005 pm; flow = 1.71
L/min; 3000 psi; failed leak test 40 sec; QLT=20 ml/min;
exhaust flow=1.04 target=+76 ml/min; terminated empty;
jps

O00040191.It10; 01 Jan 2006 pm; flow = 1.74 L/min; 2990
psi; passed leak test ; QLT= 152 ml/min; exhaust flow =
.993 target = -28 ml/min; terminated empty; jps Lowered
N2 flow to keep O2 up at minute 80.

O00050014.lt10; 22 December 2005 am; flow = 1.75
L/min; 3000 psi; failed leak test 3 sec; QLT=485 ml/min;
terminated empty; jps

O00050142.lt10; 01 Jan 2006 am; flow = 1.78 L/min; 3080
psi; failed leak test 5 sec; one side of the gasket was
uneven, looked in tack; QLT= 152 ml/min; exhaust flow =
1.024 target = +52 ml/min; terminated empty; jps

O03060021.LT10; 4 April 2005 am; flow = 1.87 L/min;
3000 psi; failed leak test 3 sec; QLT = 498 ml/min ;
exhaust flow = .978 target = - 83 ml/min; terminated
empty; jps

O90080008.LT10; 24 May 2005 pm; flow=1.6 L/min; 3100
psi; passed leak test sec; QLT= ml/min; exhaust flow =
target = ml/min; terminated empty; jps

O90080012.LT10; 23 May 2005 pm; flow=1.55 L/min;
3050 psi; failed leak test 12 sec; QLT=103 ml/min;
exhaust flow = .983 target = -15 ml/min; terminated empty;
jps

O90080015.LT10; 20 May 2005 pm; flow=1.62 L/min;
3000 psi; failed leak test 13 sec; QLT=81 ml/min; exhaust
flow = .993 target = +1.542 ml/min; terminated empty; jps

O90080032.LT10; 19 May 2005 am; flow=1.68 L/min;
3000 psi; failed leak test 16 sec; QLT=77 ml/min; exhaust
flow = 1.018 target=+25 ml/min; terminated empty; jps

O91010017.LT10; 25 May 2005 pm; flow=1.60 L/min;
3000 psi; failed leak test 17 sec; QLT= 47 ml/min;
exhaust flow =.988 target =-32 ml/min; strap screw from
one of the straps came off; terminated empty; jps

O91010022.LT10; 27 May 2005 pm; flow=1.60 L/min;
3000 psi; failed leak test 50 sec; QLT= 50 ml/min;
exhaust flow =.987 target =-30 ml/min; terminated empty;
jps

O91010033.LT10; 31 May 2005 am; flow=1.60 L/min;
3000 psi; passed leak test ; QLT= ml/min; exhaust flow
=.996 target = -6 ml/min; terminated empty; jps

O91010039.LT10; 31 May 2005 pm; flow=1.54 L/min;
3000 psi; passed leak test ; QLT= ml/min; exhaust flow
=.998 target = -3 ml/min; terminated empty; jps

O91010110.LT10; 2 Aug 2005 am; failed leak test 5 sec ;
flow 1.60; exhaust flow = .989 target = -16 ml/min;
terminated empty; jps

O94010029.LT10; 16 MAR 2005 pm; 1.53 L/min.; psi
3000; failed leak test 6sec; QLT = 95 ml/min; exhaust flow
= .962 target = -115 ml/min; terminated empty; JPS

O94020135.LT10; 3050 psi; 5 Jan 2005, am; failed leak test in 12s; QLT=18 ml/min; O2 flow=1.74 L/min; exhaust flow=.988 target =-28 ml/min; terminated empty

O94020147.LT10; 10 MAR 2005 pm; 1.85 L/min.; psi
3400; failed leak test 2 sec.; QLT = 600 ml/min; exhaust
flow = .970 target = -60 ml/min; terminated empty; JPS

O94060014.It10; 4 Aug 04; 3050 psi; 1.60 L/min; fail leak test in 9s; QLT=60 ml/min; exhaust flow=.989 target =-22 ml/min; terminated empty.

O94080019.It10; 2950 psi; 1.63 L/min; fail leak test in 2s;
QLT = 633 ml/min; dented and smashed canister; LiOH
throughout breathing circuit; exhaust flow= .946 target = -
140 ml/min; terminated empty. JPS

O94080021.lt10; 5 August 2004; 3000 psi; 1.695 L/min;
fail leak test in 8s; QLT=50 ml/min; exhaust flow=.987
target =-25ml/min; terminated empty.

O94080023.It10; 6 Aug 2004; stress cracks in top strap anchor; 3000 psi; 1.72 L/min; fail leak test in 8s; QLT=70 ml/min; exhaust flow=.998 target =-4 ml/min; terminated empty.

O94080115.It10; 22 Nov 2004;3000psi;1.58L/min; failed
leak test in 18s; QLT=15 ml/min; exhaust flow=.975
target= -76 ml/min; jps; terminated empty.

O94080119.LT10; 18 MAR 2005 am; 1.72 L/min.; psi
2950; failed leak test 3 sec; QLT = 642 ml/min; exhaust
flow = target = ml/min; terminated empty; JPS

O94080245.LT10; 17 MAR 2005 pm; 1.02 L/min.; psi
3000; failed leak test 15 sec; QLT = 23 ml/min; exhaust
flow = .974 target = - 80 ml/min; terminated empty; JPS

O96070041.lt10; 13 Jan 2005, am; failed leak test in 10
sec; QLT=12 ml/min; O2 flow=1.73 L/min; exhaust flow=
1.000 target = +1 ml/min; terminated empty; JPS

O97080496.LT10; 15 MAR 2005 am; 1.90 L/min.; psi
3000; passd leak test ; exhaust flow = target = ml/min;
terminated empty; JPS

O97080550.LT10; 15 MAR 2005 pm; 1.79 L/min.; psi
3000; passd leak test ; exhaust flow = .978 target = 44
ml/min; terminated empty; JPS

O97080612.LT10; 9 MAR 2005 pm; 1.78 L/min.; psi 3000;
passed leak test; exhaust flow = .973 target = -110
ml/min; terminated empty; JPS

O97080861.It10; 22 March 2005 am; 2900 psi; 1.75 L/min;
large crack in top lid at demand valve; exhaust flow=1.012
target = +24 ml/min; terminated empty; JPS.

O97081148.It10; 24 November 2004; 3000 psi; 1.75 L/min; fail leak test in 23s; QLT=20 ml/min; exhaust flow=.943 target = -106 ml/min; terminated empty.

O97081493.It10; 30 Nov 2004; 3700 psi; 1.83L/min; fail
leak test in 2 s; QLT=375 ml/min; exhaust flow=.964 target
= -64 ml/min; terminated empty.

O99020063.LT10; 17 MAR 2005 am; 1.83 L/min.; psi
3000; failed leak test 7 sec; QLT = 455 ml/min; exhaust
flow = 1.015 target = +27 ml/min; terminated empty; JPS

O99020067.It10; 12 November 2004; 3050 psi; 1.79
L/min; fail leak test in 3s; QLT=145 ml/min; exhaust
flow=.974 target = -47 ml/min; terminated empty.

O99030608.LT10; 21 MAR 2005 p; 1.74 L/min.; psi 3200;
failed leak test 2 sec; QLT = .631 ml/min; exhaust flow =
.918 target = -199 ml/min; terminated empty; JPS

O99030780.LT10; 14 MAR 2005 pm; 1.80 L/min.; psi
3100; failed leak test 12 sec.; QLT = 175 ml/min; exhaust
flow = .944 target = - 165 ml/min; terminated empty; JPS

O99030820.It10; 3 November 2004; top strap unconnected on one side, other side screw fell out after cleaning; O2 supply hose unconnected to breathing bag; fail leak test too fast to measure at first, then slowed down to 5 sec fail time; QLT = 50 ml/min; O2 flow rate=1.70 L/min; found CO2 sample gas flow rate too high at min 42; edited all avg inh CO2 values later; terminated empty.

O99031179.It10; SN tag fell into case; top strap screw loose; 8 November 2004; 3100 psi; 1.76 L/min; fail leak test in 2s; QLT=380 ml/min; exhaust flow=1.007 target =+14 ml/min; terminated empty.

O99031253.LT10; 10 MAR 2005 pm; 1.82 L/min.; psi
3200; failed leak test 2 sec.; QLT = 277 ml/min; exhaust
flow = .947 target = - 112 ml/min; terminated empty; JPS

O-91010031.LT10; 3-Aug 2005 am; passed leak test;
flow 1.67; O2 gauge 2900 psi; exhaust flow = 1.017 target
= +37 ml/min; terminated empty; jps

O-91010128.LT10; 2-Aug 2005 pm; failed leak test 25 sec
; flow 1.60; O2 gauge 3000 psi; exhaust flow = 1.006
target = +9 ml/min; terminated empty; jps