

FIO2 FRAC -----	FICO2 FRAC -----	PEPRS CMH2O -----	PIPRS CMH2O -----	MICO2 FRAC -----	TINT1 DEGC -----	TINT2 DEGC -----
0.2691	-0.0001	-2.0612	-3.3028	-0.0006	25.2773	21.9203
0.6307	0.0067	15.4657	-33.0975	-0.0005	17.8409	21.1744
0.5873	0.0099	16.8454	-33.3734	-0.0006	20.0877	25.7201
0.5941	0.0108	17.8939	-33.7597	-0.0004	21.2939	30.2214
0.6106	0.011	21.1498	-33.3182	-0.0005	20.7606	32.3786
0.6278	0.0103	26.3372	-33.4838	-0.0001	20.6312	33.7674
0.6458	0.0094	28.3791	-34.2564	-0.0001	20.6623	34.905
0.6667	0.0094	27.6617	-34.3115	-0.0002	20.8487	35.7964
0.6915	0.0096	27.5513	-33.8149	-0.0002	21.2783	36.6879
0.7183	0.0094	27.9928	-34.146	-0.0001	21.9047	37.4463
0.7452	0.0092	28.2136	-34.6427	-0.0003	22.7693	38.0274
0.771	0.009	27.7721	-35.0841	-0.0003	23.6907	38.6677
0.7957	0.0088	28.1584	-35.1945	-0.0004	24.6847	39.3325
0.8173	0.0085	27.6617	-35.8567	-0.0004	25.5441	40.0516
0.8373	0.0085	27.9376	-36.2982	-0.0004	26.2585	40.6426
0.8553	0.0085	27.9928	-36.2982	-0.0003	26.8486	41.2434
0.8714	0.0085	27.7721	-37.126	-0.0005	27.2783	41.8196
0.8853	0.0087	28.048	-37.8434	-0.0005	27.708	42.4155
0.8969	0.0087	27.9376	-39.2782	-0.0005	28.1377	42.8144
0.9071	0.0084	27.8273	-39.7197	-0.0004	28.5622	43.3217
0.9154	0.0088	27.9928	-40.3819	-0.0004	29.0126	43.8241
0.9229	0.0089	27.9928	-40.6027	-0.0004	29.5302	44.1639
0.9295	0.0089	27.8273	-41.1545	-0.0004	30.0117	44.6761
0.9345	0.0093	27.7169	-41.7616	-0.0005	30.4724	45.1144
0.9393	0.0093	27.8273	-41.596	-0.0005	30.8659	45.5428
0.9425	0.0094	27.7169	-42.7549	-0.0006	31.3784	46.0797
0.9455	0.0095	28.4343	-42.4238	-0.0005	31.8805	46.6657
0.9471	0.0097	27.8273	-43.1412	-0.0006	32.2843	47.1336
0.9488	0.0098	28.048	-42.8101	-0.0007	32.7088	47.4783
0.9496	0.0097	27.8824	-43.1964	-0.0006	33.1489	47.9265
0.9503	0.0098	27.8273	-43.6931	-0.0007	33.5734	48.3303
0.9508	0.0098	28.3239	-43.8586	-0.0006	34.06	48.744
0.9508	0.0098	28.4343	-44.0242	-0.0005	34.4275	49.1232

0.9507	0.0101	28.7654	-44.1897	-0.0005	34.8469	49.4237
0.9504	0.0101	28.8206	-45.1279	-0.0005	35.2041	49.5566
0.9506	0.0101	28.8758	-45.0175	-0.0006	35.6234	49.9654
0.9503	0.0101	29.0413	-45.4038	-0.0005	35.9858	50.3003
0.9501	0.0101	29.8139	-45.4038	-0.0005	36.2808	50.65
0.9491	0.0103	29.8139	-46.1212	-0.0005	36.607	50.8716
0.9484	0.0102	30.2554	-46.7835	-0.0005	36.8503	51.1819
0.9472	0.0104	30.3658	-46.6731	-0.0004	37.0574	51.3395
0.9461	0.0104	31.0832	-47.6664	-0.0008	37.1195	51.4232
0.9445	0.0104	31.1384	-48.6046	-0.0004	37.192	51.4921
0.9435	0.0104	31.3591	-48.3838	-0.0004	37.3525	51.5512
0.9421	0.0107	31.911	-48.8253	-0.0005	37.3939	51.5266
0.9405	0.0107	32.1317	-49.4875	-0.0005	37.4456	51.5217
0.9396	0.0109	32.2421	-49.322	-0.0005	37.4508	51.4823
0.9389	0.0112	32.0213	-49.4324	-0.0005	37.5078	51.3395
0.9374	0.0113	32.6284	-49.9842	-0.0004	37.5906	51.3887
0.9375	0.0115	32.6284	-50.7016	-0.0005	37.6475	51.3148
0.9369	0.0118	32.4628	-51.0327	-0.0005	37.777	51.2951
0.9362	0.0119	32.5732	-51.1431	-0.0004	37.8546	51.3198
0.9352	0.0119	32.6284	-51.419	-0.0005	37.9633	51.3838
0.9346	0.0121	32.6836	-51.695	-0.0005	38.0617	51.369
0.9346	0.0122	32.7388	-51.8605	-0.0005	38.2015	51.4478
0.9341	0.0124	32.9595	-52.5227	-0.0003	38.2377	51.4183
0.9337	0.0125	33.2906	-52.6883	-0.0006	38.3878	51.4577
0.933	0.0127	33.401	-53.4057	-0.0003	38.4551	51.4084
0.9331	0.0127	33.2354	-53.6816	-0.0003	38.5949	51.3887
0.9326	0.0129	33.0699	-54.3439	-0.0004	38.7295	51.3986
0.9316	0.0133	33.6217	-54.2335	-0.0004	38.9107	51.3444
0.9312	0.0136	33.2354	-53.9024	-0.0005	39.1488	51.3345
0.931	0.0138	33.1251	-54.1783	-0.0005	39.3818	51.4281
0.9302	0.014	33.401	-54.5094	-0.0003	39.5319	51.502
0.9296	0.0141	33.401	-54.5646	-0.0004	39.6924	51.5808
0.9294	0.0143	33.5114	-54.675	-0.0002	39.8425	51.5512
0.9284	0.0148	34.0632	-55.0613	-0.0002	40.0237	51.5857
0.9287	0.0147	33.7321	-55.7235	-0.0004	40.2256	51.7335
0.9277	0.0148	33.8425	-56.3305	-0.0003	40.2929	51.6842
0.9265	0.0153	34.3943	-57.1583	-0.0003	40.3602	51.8172
0.9252	0.0151	34.7254	-58.2068	-0.0005	40.4637	51.8418

0.9232	0.0153	35.0014	-59.4761	-0.0005	40.6449	51.763
0.9214	0.0155	35.5532	-61.2972	-0.0005	40.9038	51.763
0.9195	0.0157	36.9328	-64.7187	-0.0004	41.085	51.7335
0.9159	0.016	39.0299	-68.5817	-0.0006	41.3542	51.7926
0.9131	0.0167	42.3962	-72.831	-0.0004	41.6234	52.9204
0.9092	0.0168	45.0451	-77.301	-0.0003	42.1255	53.4966
0.9039	0.0169	43.4999	-79.1221	-0.0002	42.8347	53.5163
0.8975	0.0171	43.3344	-80.5018	-0.0001	43.7044	54.3486
0.889	0.0169	39.7473	-78.5703	-0.0001	44.569	54.7869

0.2153	0.0068	-19.6929	-24.0636	0.0058	24.9978	81.6516
0.5831	0.009	19.2183	-89.6074	-0.0004	19.6528	90.724
0.5634	0.0162	21.0946	-36.9604	-0.0001	21.6252	90.724
0.55	0.0184	20.9291	-40.4923	0	22.9246	90.724
0.5604	0.0186	22.3639	-40.0508	0	23.0488	90.724
0.5767	0.0192	25.1232	-38.4505	0.0002	22.6709	48.9164
0.5927	0.0197	28.1032	-41.7616	0.0005	21.3456	47.1927
0.6116	0.0203	34.284	-40.6027	0.0007	21.2576	29.7043
0.6345	0.0184	35.8291	-41.8719	0.0006	21.4854	30.2855
0.6599	0.0175	36.3258	-41.6512	0.0005	21.9772	30.7681
0.6882	0.0172	36.4362	-42.8101	0.0003	22.6813	31.2606
0.7181	0.0172	36.5466	-42.5894	0.0002	23.3542	31.7777
0.7476	0.0169	35.0014	-43.3068	0.0002	23.9133	32.1569
0.7753	0.0167	34.6702	-43.5275	0.0001	24.576	32.4968
0.8003	0.0168	34.5599	-43.5275	0.0001	25.1092	32.8464
0.8236	0.0163	34.7806	-43.8034	0	25.658	33.1912
0.8444	0.0165	35.1669	-44.0242	0	26.1394	33.5408
0.8628	0.0165	34.8358	-44.3553	-0.0001	26.4448	33.8363
0.8787	0.0166	34.891	-44.4657	0	26.7606	34.1466
0.8922	0.0167	35.2773	-44.4657	0	26.9677	34.4076
0.9033	0.0169	35.1117	-44.4105	-0.0002	27.0971	34.5307
0.9123	0.0171	35.1117	-44.4657	0	27.1075	34.6342
0.9202	0.0171	35.7188	-44.576	0	27.0402	34.5948
0.927	0.0177	35.5532	-44.7416	-0.0002	26.9988	34.5307
0.933	0.0177	35.3325	-44.6312	-0.0001	26.9315	34.5357
0.9371	0.018	35.498	-44.576	-0.0001	26.9211	34.5603

0.9416	0.0184	35.1669	-44.5209	-0.0001	26.9573	34.5898
0.9457	0.0182	35.0014	-44.9623	-0.0002	26.859	34.5603
0.9486	0.0188	35.2221	-44.6312	-0.0001	26.8434	34.5898
0.9519	0.0186	34.7806	-44.7968	-0.0001	26.8538	34.6194
0.9545	0.0184	35.0565	-44.6312	0	26.7399	34.5751
0.9567	0.019	35.0565	-45.4038	0	26.8486	34.6834
0.9587	0.0194	34.891	-44.9071	-0.0001	26.859	34.7721
0.9603	0.0195	34.6151	-44.9071	-0.0001	26.9625	34.974
0.962	0.0193	34.1736	-45.2383	0	27.0816	35.171
0.9624	0.0194	34.6702	-46.1212	-0.0002	27.1592	35.3089
0.9628	0.0194	34.7254	-46.1212	-0.0002	27.3197	35.4419
0.963	0.0193	34.5047	-46.1212	-0.0001	27.4491	35.629
0.963	0.0195	34.1184	-46.1764	0	27.5579	35.8408
0.9635	0.0192	34.0632	-46.8938	-0.0002	27.651	35.8703
0.9635	0.0197	33.9528	-47.2801	-0.0001	27.8012	35.9737
0.9634	0.0201	33.8977	-47.2249	0	27.9772	36.1264
0.9632	0.0201	33.5665	-48.3286	0	28.1894	36.2988
0.963	0.0198	33.401	-48.439	0.0001	28.3603	36.4121
0.9628	0.0202	33.4562	-48.3286	0.0001	28.4793	36.5155
0.9625	0.0204	33.5114	-49.1012	0	28.6553	36.4712
0.9623	0.0202	33.6217	-49.4324	0.0001	28.7485	36.4121
0.9615	0.0205	33.7873	-50.0946	0.0002	28.8365	36.284
0.9599	0.0209	33.7873	-50.4809	0.0003	28.997	36.3628
0.9596	0.0211	33.5665	-50.812	0.0003	29.1316	36.3776
0.959	0.0214	33.7873	-50.9224	0.0005	29.3542	36.3382
0.9585	0.0218	33.8425	-51.1431	0.0006	29.5509	36.4367
0.958	0.022	33.6769	-51.695	0.0006	29.7943	36.5647
0.9577	0.0222	33.6769	-52.1916	0.0009	30.0634	36.6534
0.957	0.0225	34.0632	-52.302	0.001	30.2602	36.7322
0.9553	0.0227	34.1736	-52.4124	0.0011	30.5035	36.6731
0.954	0.023	34.1736	-53.0746	0.0012	30.8089	36.7617
0.9533	0.0231	34.284	-53.2402	0.0013	31.2282	36.9686
0.952	0.0232	34.0632	-53.7368	0.0013	31.72	37.1951
0.9506	0.0235	33.8977	-53.6816	0.0012	32.2222	37.4808
0.9496	0.0229	34.5599	-54.4542	0.0011	32.6622	37.7221
0.9479	0.0227	34.284	-54.9509	0.0009	33.1489	37.9683
0.947	0.0225	34.3943	-55.3372	0.0008	33.5319	38.1604
0.9457	0.0214	34.7806	-56.1098	0.0006	33.8736	38.382

0.9423	0.0217	34.9462	-56.1098	0.0004	34.2463	38.5642
0.9393	0.0223	34.9462	-56.4961	0.0003	34.5932	38.7415
0.9367	0.023	34.5047	-56.772	0.0002	35.0229	39.0124
0.9338	0.0226	34.7254	-56.5513	0.0001	35.3956	39.2734
0.9292	0.0228	34.6151	-57.1031	0.0001	35.8098	39.5591
0.9251	0.0228	35.0565	-57.0479	0	36.2343	39.8201
0.9212	0.0224	34.5047	-57.655	0.0001	36.5811	40.0072
0.9163	0.022	34.4495	-58.9242	-0.0001	36.928	40.0614
0.9102	0.0217	34.0632	-59.2554	0	37.2748	40.1796
0.9049	0.0216	34.008	-60.1935	0.0001	37.5751	40.2929
0.8972	0.0221	34.0632	-61.3524	0.0001	38.0203	40.3865
0.8871	0.019	34.3391	-61.518	-0.0001	38.5328	40.4948
0.8745	0.0122	34.8358	-63.1735	-0.0001	38.9573	40.6179
0.8591	0.0118	35.6636	-64.0013	-0.0001	39.3248	40.8445
0.8422	0.0118	36.6017	-65.6017	-0.0002	39.6924	41.0513
0.8211	0.0119	37.9814	-68.1402	-0.0003	39.9875	41.2434
0.7858	0.0129	38.2573	-244.4025	-0.0001	40.1221	41.2188

0.22	0.0069	-35.338	-41.149	0.0059	23.8935	22.2882
0.5515	0.0071	17.618	-126.9127	-0.0004	19.2128	21.8639
0.574	0.0084	19.4943	-33.4838	-0.0004	22.5725	23.3611
0.5596	0.0101	19.3287	-34.146	-0.0002	25.7356	25.7743
0.5699	0.0094	19.7702	-34.5323	-0.0002	27.123	27.2764
0.5865	0.0091	21.2602	-34.4771	0.0001	28.1946	28.5667
0.6028	0.0095	21.8672	-35.2497	0.0003	29.1575	29.5418
0.6206	0.01	21.812	-36.243	0.0005	30.0427	30.3741
0.6419	0.0104	26.6132	-35.4153	0.0004	30.8037	31.1178
0.6664	0.0096	34.6702	-35.1393	0.0004	31.5751	31.8122
0.6927	0.0095	35.2773	-35.5256	0.0002	32.1911	32.4229
0.7197	0.0092	36.5466	-35.636	0	32.7554	32.9449
0.7463	0.0089	36.9328	-35.636	0.0002	33.3456	33.4128
0.7724	0.0088	37.9262	-36.3534	-0.0001	33.8788	33.8265
0.7974	0.0086	38.3677	-36.7949	0	34.3913	34.1959
0.819	0.0084	38.6988	-38.1745	-0.0001	34.8727	34.6243
0.8385	0.0084	39.6921	-40.2716	-0.0001	35.3594	34.974
0.8555	0.0083	38.9195	-40.0508	-0.0003	35.6855	35.2744
0.871	0.0081	38.8643	-41.3753	-0.0003	35.9185	35.4813

0.884	0.0082	38.754	-41.7616	-0.0002	36.0997	35.6832
0.8957	0.0084	38.5332	-42.1479	-0.0004	36.2757	35.7669
0.9048	0.0086	38.478	-42.2031	-0.0002	36.3533	35.8309
0.9129	0.0085	37.9814	-42.3686	-0.0004	36.462	35.8752
0.9213	0.0087	38.2573	-41.9271	-0.0003	36.5759	36.0525
0.9282	0.0089	38.0917	-42.0927	-0.0003	36.7985	36.1954
0.9351	0.0091	37.5951	-42.2582	-0.0004	37.0884	36.4219
0.9414	0.0093	37.7054	-42.2031	-0.0003	37.3162	36.7322
0.947	0.0094	37.3191	-42.2031	-0.0003	37.5958	37.0228
0.9518	0.0096	37.6503	-42.479	-0.0003	37.8028	37.2542
0.9553	0.0097	37.3191	-42.6445	-0.0003	37.953	37.4414
0.9586	0.0096	37.7054	-42.6997	-0.0003	38.2066	37.6531
0.9607	0.0098	37.4295	-42.8653	-0.0003	38.2895	37.7812
0.9626	0.0098	37.4847	-42.8653	-0.0004	38.4758	37.8698
0.9639	0.0099	37.264	-43.1412	-0.0003	38.5535	37.9536
0.965	0.0098	36.9328	-42.9757	-0.0004	38.6933	38.1062
0.9657	0.0098	37.0432	-43.2516	-0.0003	38.7502	38.2195
0.9662	0.01	37.3743	-43.2516	-0.0002	38.8486	38.2688
0.9667	0.0102	37.1536	-43.3068	-0.0004	38.9832	38.3278
0.9677	0.0102	37.0984	-43.4723	-0.0004	39.0867	38.4067
0.9683	0.0103	36.5466	-43.362	-0.0003	39.1436	38.5347
0.9686	0.0106	36.6569	-43.6379	-0.0003	39.2265	38.6677
0.9691	0.0105	36.0499	-43.6379	-0.0004	39.3818	38.8351
0.9699	0.0105	36.7673	-43.5827	-0.0003	39.6199	38.9238
0.9694	0.0105	36.3258	-43.7483	-0.0003	39.7649	39.0715
0.9693	0.0106	36.2154	-43.9138	-0.0004	39.8425	39.1158
0.969	0.0106	36.1603	-43.9138	-0.0003	39.77	39.1552
0.9678	0.0104	35.6084	-44.0794	-0.0003	39.7908	39.0961
0.9668	0.0096	35.4428	-44.5209	-0.0004	39.827	39.1503
0.9659	0.0097	35.2773	-44.6312	-0.0003	39.8581	39.1109
0.965	0.0096	34.9462	-44.5209	-0.0004	40.0858	39.1503
0.9638	0.0098	34.3391	-44.6864	-0.0002	40.1635	39.2833
0.9631	0.0097	34.0632	-44.9623	-0.0003	40.2618	39.3276
0.9629	0.0099	33.401	-44.852	-0.0002	40.3913	39.436
0.9628	0.0099	33.1251	-44.9071	-0.0003	40.5932	39.564
0.9627	0.0099	32.518	-44.7416	-0.0003	40.8779	39.7364
0.9626	0.0099	31.635	-45.0727	-0.0003	41.0901	39.9925
0.9626	0.0098	30.8073	-45.2934	-0.0003	41.349	40.2732

0.9625	0.0098	30.3658	-45.3486	-0.0003	41.7269	40.4259
0.9621	0.0098	29.8691	-44.9072	-0.0003	42.022	40.7066
0.9614	0.0096	29.3724	-45.5142	-0.0004	42.2756	40.8839
0.9607	0.0097	28.9861	-45.9557	-0.0003	42.55	41.0612
0.9601	0.0097	29.1517	-45.7349	-0.0003	42.8658	41.3123
0.9594	0.0099	28.8758	-45.8453	-0.0003	43.1557	41.5684
0.9594	0.01	28.8758	-46.5075	-0.0002	43.5077	41.8442
0.9595	0.0101	28.8758	-46.6731	-0.0001	43.7407	42.0511
0.9584	0.01	28.931	-46.7283	-0.0002	44.0875	42.2235
0.9571	0.0102	28.5999	-47.556	-0.0003	44.2894	42.4254
0.9564	0.0102	28.7654	-47.832	-0.0002	44.4706	42.6125
0.9556	0.0103	28.5447	-47.7768	-0.0004	44.8485	42.908
0.9543	0.0104	28.2687	-48.5494	-0.0002	45.1747	43.2084
0.953	0.0103	28.3791	-48.9357	-0.0004	45.4076	43.4301
0.953	0.0102	28.5999	-49.9842	-0.0003	45.5681	43.5926
0.9591	0.0101	28.3239	-51.0327	-0.0003	45.9616	43.76
0.963	0.01	28.4895	-51.2535	-0.0004	46.3964	43.957
0.9668	0.0101	29.2069	-52.6883	-0.0004	46.6863	44.218
0.9702	0.0101	30.0347	-54.0127	-0.0003	47.0435	44.3609
0.9737	0.0101	30.6969	-55.9442	-0.0005	47.4525	44.5332
0.9775	0.01	31.9662	-57.7102	-0.0003	47.6803	44.7204
0.98	0.0098	33.1802	-59.3657	-0.0004	48.0737	45.0356
0.982	0.01	34.3391	-61.4076	-0.0004	48.405	45.2473
0.9835	0.01	35.1669	-63.7806	-0.0003	48.7001	45.4837
0.985	0.0103	36.5466	-65.6569	-0.0002	49.0418	45.6955

0.2839	0.0002	0.0025	-1.6054	-0.0002	21.8921	24.4202
0.6806	0.0053	19.2696	-62.1871	-0.0003	21.5768	23.3955
0.6142	0.0092	21.9495	-35.2768	-0.0002	24.2725	24.8385
0.6126	0.0096	21.5587	-35.9468	-0.0001	25.4278	28.3057
0.6236	0.0097	22.6195	-36.4492	0	25.5215	29.9703
0.635	0.01	23.6244	-37.4542	0.0003	25.7453	30.8617
0.6458	0.0106	25.1877	-38.18	0.0005	26.0367	31.3985
0.6589	0.0109	27.9792	-36.8959	0.0005	26.3281	31.8614
0.6771	0.0106	35.5163	-37.2867	0.0006	26.6247	32.3293
0.7002	0.0097	39.5919	-36.4492	0.0004	26.9266	32.8809

0.7261	0.0092	40.9319	-37.1192	0.0003	27.4626	33.3635
0.7533	0.0086	41.2668	-37.2867	0.0002	28.0507	33.7674
0.7795	0.0083	42.4393	-38.1241	0.0003	28.7168	34.1909
0.8039	0.008	43.0534	-38.7941	0.0002	29.3465	34.5652
0.8258	0.0077	43.2209	-39.7991	0	29.9293	34.9346
0.8453	0.0077	43.3326	-41.3065	0	30.3613	35.2547
0.8628	0.0077	43.4442	-41.6973	0	30.6475	35.5798
0.8782	0.0076	43.3326	-41.9765	-0.0001	31.0118	35.8752
0.8909	0.0076	43.6117	-41.9764	0	31.2824	36.1363
0.9014	0.0077	43.9467	-42.4789	-0.0001	31.35	36.3136
0.9105	0.0078	44.1142	-42.5906	-0.0003	31.4906	36.5401
0.9186	0.0081	44.7283	-42.2556	-0.0001	31.5478	36.7568
0.9254	0.008	43.8909	-42.3673	-0.0001	31.5894	37.0129
0.9313	0.0081	42.6068	-42.3673	-0.0002	31.834	37.3527
0.9362	0.0082	41.4343	-42.7023	-0.0002	31.9745	37.5694
0.9401	0.0083	41.3785	-42.3673	-0.0002	32.266	37.8452
0.9431	0.0082	41.2668	-42.6464	-0.0002	32.4221	38.1112
0.9453	0.0082	41.0435	-42.9256	-0.0002	32.6563	38.2392
0.9472	0.0083	41.0435	-43.1489	-0.0002	32.8384	38.4214
0.9484	0.0082	40.6527	-43.2606	-0.0002	32.9997	38.5347
0.9495	0.0083	40.3177	-43.8189	-0.0003	33.2443	38.6923
0.9501	0.0083	40.4294	-44.2097	-0.0001	33.5045	38.7908
0.9504	0.0084	40.4294	-44.3772	-0.0002	33.6503	38.9238
0.9508	0.0083	40.1502	-44.768	-0.0003	33.6294	38.9533
0.9511	0.0084	40.0944	-44.433	-0.0002	33.9209	39.0567
0.9516	0.0084	39.8153	-44.768	-0.0002	34.1759	39.2537
0.9518	0.0084	39.5361	-44.8238	-0.0002	34.4309	39.3769
0.9516	0.0084	39.6478	-44.9355	-0.0002	34.7379	39.6034
0.9512	0.0086	39.1453	-44.9355	-0.0002	35.1438	39.8546
0.9508	0.0085	39.0895	-45.2146	-0.0001	35.5237	40.0368
0.9502	0.0085	38.6986	-45.2704	-0.0002	35.9713	40.2239
0.9491	0.0084	38.8103	-45.5496	-0.0002	36.3512	40.3865
0.9473	0.0085	38.6986	-45.9404	-0.0001	36.8664	40.5391
0.945	0.0085	38.3637	-46.2196	-0.0002	37.2567	40.746
0.9425	0.0086	38.5311	-46.7779	-0.0002	37.6834	40.9676
0.9378	0.0085	38.7545	-47.1129	-0.0003	38.1674	41.0267
0.9339	0.0086	38.3078	-47.5595	-0.0004	38.6774	41.1843
0.93	0.0087	37.7495	-48.5645	-0.0003	39.0937	41.2631

0.9272	0.0089	37.582	-49.5136	-0.0003	39.5621	41.3714
0.924	0.0089	38.0287	-49.9044	-0.0002	40.145	41.5586
0.9232	0.0095	37.8054	-49.6811	-0.0003	40.5769	41.8147
0.922	0.0096	37.6379	-50.5185	-0.0003	41.0297	42.0068
0.9198	0.0097	38.1403	-51.3001	-0.0002	41.5761	42.3564
0.9184	0.0099	37.6937	-51.6351	-0.0002	42.0809	42.7504
0.916	0.0099	37.9728	-52.8076	-0.0002	42.5076	43.1149
0.9145	0.0099	38.6986	-53.0867	-0.0001	42.8303	43.4744
0.9125	0.0097	39.4803	-54.5941	-0.0003	43.1217	43.7157
0.9082	0.0092	40.876	-56.2691	-0.0002	43.4027	43.9324
0.9051	0.0095	41.3227	-56.8274	-0.0004	43.6317	44.218
0.9015	0.0092	42.3276	-58.8931	-0.0002	43.8399	44.3756
0.8982	0.0098	42.6068	-60.568	-0.0003	44.048	44.5283
0.8942	0.0096	44.1142	-62.4104	-0.0002	44.1469	44.7155
0.889	0.0093	45.3983	-65.0345	-0.0003	44.2562	44.878
0.8861	0.0097	47.464	-67.2677	-0.0001	44.3499	45.0159
0.8815	0.01	49.1389	-69.4451	-0.0002	44.3342	45.0947
0.8768	0.0099	50.6464	-71.6783	-0.0001	44.2458	45.0947
0.8727	0.0101	52.098	-73.4649	-0.0002	44.251	45.1981
0.8687	0.0103	53.2146	-74.8048	-0.0002	44.2874	45.3754
0.8642	0.0106	54.4429	-76.4239	-0.0001	44.2666	45.3212
0.8617	0.0107	55.8386	-78.2663	-0.0001	44.2978	45.3163
0.8582	0.0111	56.6202	-80.0529	-0.0001	44.3134	45.3902
0.8572	0.0115	58.1835	-81.337	-0.0001	44.3499	45.3951
0.8543	0.0116	59.6909	-82.956	-0.0002	44.3759	45.3951
0.8515	0.0116	60.64	-84.9101	-0.0001	44.3863	45.3852
0.8497	0.0119	61.4775	-85.8592	-0.0001	44.3655	45.3557
0.8489	0.0122	63.0966	-87.1433	-0.0001	44.3655	45.336
0.8471	0.0122	63.8782	-89.0416	-0.0001	44.4487	45.4099
0.8449	0.0128	64.7715	-90.1023	-0.0001	44.4539	45.5133
0.8422	0.0131	65.9998	-91.9448	-0.0002	44.532	45.4837
0.8404	0.0133	67.2839	-94.2896	-0.0001	44.5112	45.469
0.8373	0.0136	67.898	-96.1879	-0.0001	44.5008	45.3163
0.8349	0.0139	69.1821	-97.7511	-0.0001	44.5112	45.0799
0.8317	0.0138	69.5729	-99.8169	-0.0002	44.5112	44.9174
0.8272	0.0138	70.9128	-102.3292	-0.0001	44.3863	44.745
0.8213	0.014	72.0853	-103.5017	0	44.3134	44.5973
0.8133	0.0144	73.3694	-106.1815	-0.0001	44.1209	44.5529

0.8064	0.0144	76.775	-108.3589	-0.0001	44.0168	44.6071
0.7971	0.0148	81.9115	-111.2063	0	44.0532	44.6268
0.7852	0.0149	88.2203	-112.4904	0	44.3967	44.7352
0.7711	0.0152	102.4571	-116.0077	-0.0001	44.9952	44.612
0.7513	0.0155	120.937	-116.3985	-0.0001	45.5208	44.7302
0.7263	0.0159	127.525	-117.4035	0	46.0412	45.0159

0.2089	0.0006	-0.9188	-2.5082	0	22.9244	21.5524
0.4513	0.0056	14.362	-27.4686	-0.0003	22.9246	24.0161
0.5277	0.0094	23.2469	-35.1393	-0.0004	25.6372	26.1879
0.518	0.0105	21.9776	-35.5256	-0.0003	26.9625	28.5716
0.5341	0.0099	23.8539	-35.636	-0.0002	27.563	30.379
0.5531	0.0102	25.951	-36.4086	0.0001	27.6562	31.4379
0.5693	0.0107	31.635	-36.5741	0.0003	28.0134	32.3145
0.5876	0.01	35.5532	-37.126	0.0005	27.268	33.1124
0.6097	0.0096	35.8843	-38.616	0.0004	27.8219	33.7329
0.637	0.0093	35.2773	-39.7197	0.0004	27.9047	34.2057
0.6683	0.0089	35.2773	-40.106	0.0002	28.1428	34.5751
0.7003	0.0085	35.498	-41.4857	0.0002	28.4897	34.9001
0.7314	0.0082	35.5532	-41.7064	0	28.9245	35.1365
0.7609	0.008	36.1051	-42.0927	-0.0001	29.3542	35.4271
0.7876	0.0081	36.381	-42.1479	-0.0002	29.7684	35.6536
0.8115	0.008	36.1051	-42.6997	-0.0003	30.1929	35.9639
0.8331	0.0078	36.1051	-42.6445	-0.0002	30.6225	36.2889
0.8522	0.008	36.4362	-43.6379	-0.0003	30.959	36.5549
0.8694	0.0081	36.3258	-43.1412	-0.0001	31.192	36.875
0.8847	0.0079	36.2706	-43.362	-0.0003	31.3991	37.1065
0.8971	0.008	36.2154	-44.0242	-0.0003	31.6372	37.3133
0.9078	0.008	36.0499	-44.1346	-0.0003	31.7977	37.4364
0.9167	0.0081	36.0499	-44.2449	-0.0003	31.8236	37.5448
0.9244	0.0082	35.7188	-44.6864	-0.0003	31.9271	37.6531
0.9306	0.0083	35.9947	-44.9623	-0.0003	32.041	37.8255
0.9363	0.0082	35.8291	-44.9623	-0.0002	32.0979	37.8994
0.9411	0.0083	35.6636	-45.3486	-0.0003	32.1911	37.9191
0.9447	0.0085	35.3877	-45.1831	-0.0002	32.3464	37.9831
0.9478	0.0088	35.0565	-45.2934	-0.0003	32.5898	38.0274
0.9505	0.0087	35.2773	-45.5142	-0.0004	32.569	38.2294

0.9529	0.0088	35.2221	-45.2934	-0.0003	32.714	38.3771
0.9545	0.009	34.7806	-45.4038	-0.0003	32.9418	38.5396
0.9568	0.0089	34.5599	-45.6246	-0.0004	33.1644	38.7465
0.9583	0.0088	34.6702	-46.066	-0.0004	33.3766	38.8597
0.9599	0.0089	34.8358	-46.2316	-0.0003	33.5992	39.0075
0.9617	0.0088	34.6702	-46.6179	-0.0004	33.7908	39.1011
0.9626	0.0088	34.1736	-47.2801	-0.0004	33.9979	39.2537
0.9631	0.0089	33.7873	-47.1146	-0.0004	34.2256	39.2587
0.9636	0.009	34.1184	-47.832	-0.0004	34.4586	39.3227
0.9645	0.0088	34.1184	-47.9423	-0.0004	34.6864	39.4507
0.9653	0.0091	33.8977	-48.0527	-0.0003	34.997	39.4852
0.9657	0.0091	33.7321	-48.1079	-0.0003	35.2972	39.5788
0.9662	0.0091	33.2354	-47.9424	-0.0004	35.701	39.8349
0.9667	0.0091	33.1802	-48.6598	-0.0004	36.0945	40.0269
0.9668	0.0092	32.7388	-48.8805	-0.0003	36.5138	40.2436
0.9671	0.0091	32.9043	-48.9357	-0.0004	36.9538	40.4406
0.9672	0.009	32.9595	-49.4324	-0.0004	37.3421	40.7017
0.9669	0.0094	32.8491	-50.2601	-0.0004	37.8028	40.8199
0.9668	0.0093	33.2354	-50.8672	-0.0004	38.1911	41.0612
0.9666	0.0092	33.1251	-51.695	-0.0004	38.538	41.3271
0.9661	0.0091	33.5114	-52.6331	-0.0004	38.89	41.6029
0.9653	0.0093	33.8977	-53.1298	-0.0004	39.2731	41.7901
0.9639	0.0096	34.9462	-54.2335	-0.0003	39.4025	42.0265
0.9632	0.0097	35.1669	-54.9509	-0.0004	39.506	42.2284
0.9622	0.0099	35.498	-55.5579	-0.0004	39.7856	42.4894
0.961	0.0099	36.0499	-56.4409	-0.0003	40.0755	42.7455
0.9589	0.0101	36.3258	-57.2687	-0.0004	40.4948	43.0016
0.9577	0.01	36.988	-58.7587	-0.0003	40.8054	43.3266
0.9563	0.0103	37.8158	-59.6968	-0.0004	41.1781	43.5926
0.9553	0.0101	39.0851	-61.6283	-0.0004	41.4111	43.7847
0.9541	0.0104	40.851	-63.3391	-0.0004	43.1764	43.9866
0.9525	0.0105	41.8995	-65.4361	-0.0004	40.6708	44.3165
0.9511	0.0105	44.107	-67.6435	-0.0004	41.3283	44.3904
0.9484	0.0107	45.6522	-70.1821	-0.0004	41.3645	44.4643
0.9466	0.0107	47.2525	-72.9414	-0.0005	41.4111	44.4988
0.9445	0.0109	49.184	-75.4247	-0.0003	41.38	44.5382
0.9428	0.011	51.1707	-77.3562	-0.0003	41.3749	44.5135
0.94	0.0114	53.4333	-79.8947	-0.0002	41.3956	44.4741

0.937	0.0119	55.0337	-82.2125	-0.0002	41.4888	44.4249
0.9339	0.0122	56.4133	-84.6958	-0.0003	41.5612	44.4741
0.9313	0.0124	58.7311	-86.6273	-0.0003	41.6648	44.4938
0.9288	0.0125	60.0004	-89.0555	-0.0004	41.7631	44.4889
0.9254	0.013	61.8215	-91.2077	-0.0002	41.9081	44.5431
0.923	0.0132	63.5322	-93.6359	-0.0004	41.9702	44.5431
0.9203	0.0134	65.6293	-96.1744	-0.0003	42.022	44.7056
0.9179	0.0136	67.6711	-98.8233	-0.0004	42.1307	44.7204
0.9158	0.0139	69.4371	-100.6444	-0.0003	42.2653	44.7056
0.9128	0.014	70.0993	-103.2382	-0.0003	42.3895	44.8731
0.9098	0.0144	71.203	-104.6178	-0.0003	41.9599	44.3756
0.9064	0.0146	72.693	-107.2115	-0.0004	41.7838	44.2574
0.9017	0.0147	74.2934	-108.6463	-0.0004	41.8718	44.1195
0.8968	0.0152	75.066	-110.2467	-0.0002	42.0375	44.0457
0.8924	0.0155	76.0041	-111.3504	-0.0002	42.1773	43.9767
0.8872	0.0157	76.1697	-112.3437	-0.0002	42.4154	43.9472
0.8807	0.016	76.5008	-114.2201	-0.0002	42.638	43.9866
0.8731	0.0162	77.4941	-116.3723	-0.0002	42.8762	44.026
0.8647	0.0164	78.7082	-118.5797	-0.0002	43.078	44.223
0.8563	0.0167	81.6882	-122.4979	-0.0001	43.0729	44.2968
0.8455	0.017	83.9508	-127.3542	-0.0002	42.9486	44.3067
0.8329	0.0173	82.9023	-128.4027	-0.0001	42.7882	44.4446
0.8172	0.0171	81.2468	-127.6301	0	43.3938	44.7007
0.7949	0.0172	79.6464	-125.8642	0.0002	44.0565	45.2178

0.2936	0.0009	-1.9618	-4.3955	0.0002	25.4543	22.0178
0.6552	0.0083	33.0699	-32.9871	-0.0002	17.9859	22.7504
0.6122	0.0075	41.5684	-33.4286	-0.0002	21.1178	25.7743
0.6183	0.0076	42.617	-34.2012	-0.0002	21.9979	28.7341
0.629	0.008	42.9481	-34.8634	0.0002	21.4492	30.3544
0.6387	0.0081	42.9481	-35.3049	0.0003	21.3405	31.5266
0.648	0.0085	42.4514	-36.0223	0.0003	21.6252	32.4327
0.6601	0.0087	42.3962	-36.1879	0.0005	21.8167	33.1862
0.6775	0.0086	42.5618	-36.2982	0.0003	22.0963	33.9102
0.6995	0.0085	43.224	-36.1327	0.0004	22.4949	34.5701
0.7249	0.0081	43.4447	-36.1879	0.0003	23.0592	35.1365

0.7507	0.0081	43.3895	-36.6293	0.0002	23.7011	35.5551
0.7763	0.0078	42.5618	-37.1812	0.0001	24.4103	35.9491
0.7994	0.0076	42.0651	-37.5123	0	25.0367	36.3136
0.8206	0.0075	41.8444	-37.9538	-0.0001	25.5906	36.742
0.8406	0.0074	41.8444	-39.3886	0.0001	26.0566	37.136
0.8592	0.0073	42.341	-40.2716	0.0001	26.3724	37.5202
0.8754	0.0073	42.0651	-41.2097	-0.0002	26.6519	37.9043
0.8909	0.0073	42.0651	-41.6512	-0.0001	26.7554	38.1653
0.9046	0.0073	41.734	-41.7064	-0.0002	26.8745	38.451
0.9164	0.0075	41.6788	-41.596	-0.0002	27.0661	38.7415
0.9264	0.0076	41.5132	-41.8168	-0.0001	27.211	39.0666
0.9351	0.0077	41.5132	-41.7064	0	27.3197	39.2931
0.9425	0.0079	41.5132	-41.872	-0.0002	27.5113	39.5591
0.9486	0.0079	41.2925	-42.0927	-0.0001	27.6148	39.8102
0.9537	0.0079	40.9062	-42.4238	-0.0001	27.8529	40.0713
0.9586	0.0079	40.7958	-42.6445	-0.0001	27.9151	40.2584
0.9629	0.008	40.5751	-42.6997	-0.0002	28.0704	40.4554
0.9667	0.008	40.4095	-42.9757	-0.0002	28.2257	40.6278
0.97	0.0081	39.968	-43.2516	-0.0002	28.4069	40.7804
0.9731	0.0081	40.3544	-43.2516	0	28.6139	40.9873
0.9755	0.008	40.1888	-43.4171	-0.0002	28.7641	41.0612
0.9779	0.008	39.968	-43.6379	-0.0002	28.9556	41.1301
0.9806	0.0081	39.9681	-43.6379	-0.0002	29.1368	41.1104
0.9822	0.0084	39.8577	-43.7483	-0.0002	29.4215	41.2483
0.9831	0.0082	39.5266	-43.6379	-0.0002	29.7373	41.3567
0.9835	0.0083	39.4162	-43.5827	-0.0002	30.079	41.6078
0.9838	0.0084	39.0851	-43.8034	-0.0002	30.4776	41.7753
0.9842	0.0083	38.6988	-44.0794	-0.0002	30.8244	41.8935
0.9842	0.0084	38.2021	-44.4105	-0.0001	31.1765	42.0117
0.9843	0.0084	38.5332	-44.7416	-0.0002	31.5803	42.2973
0.9846	0.0083	38.9195	-45.0175	-0.0002	31.9944	42.4549
0.9844	0.0083	37.7606	-45.4038	-0.0002	32.4034	42.6174
0.9845	0.0083	38.2021	-45.5694	-0.0002	32.8227	42.7455
0.984	0.0084	37.871	-46.066	-0.0002	33.2265	42.9277
0.984	0.0084	37.5951	-46.2868	-0.0002	33.6303	43.1099
0.9837	0.0083	37.4295	-46.342	-0.0002	34.0703	43.2872
0.9835	0.0084	37.3191	-46.6179	-0.0002	34.5052	43.3463
0.9831	0.0086	37.0984	-47.2249	-0.0001	35.0073	43.4596

0.9828	0.0085	37.2088	-47.5009	-0.0002	35.4888	43.6763
0.9821	0.0086	36.7121	-48.2735	-0.0002	35.9599	43.9669
0.9815	0.0084	36.8777	-48.8253	-0.0002	36.3637	44.2919
0.9806	0.0086	36.7673	-49.6531	-0.0002	36.8037	44.612
0.9808	0.0085	36.988	-49.8738	-0.0002	37.1454	44.8583
0.98	0.0087	37.0984	-50.812	-0.0001	37.5129	45.1488
0.9796	0.0086	37.2088	-51.1983	-0.0002	37.7718	45.3655
0.9799	0.0086	37.3743	-51.7501	-0.0002	38.1031	45.597
0.98	0.0086	37.5399	-52.7435	-0.0002	38.3257	45.7349
0.9795	0.0086	37.871	-53.5713	-0.0001	38.5742	45.9171
0.9795	0.0089	38.3677	-54.4542	-0.0002	38.7088	46.0747
0.9789	0.0088	39.3058	-56.3857	-0.0001	38.9262	46.1338
0.9779	0.0088	40.0784	-57.9861	-0.0002	39.0401	46.3062
0.9771	0.009	40.851	-59.0346	-0.0003	39.1436	46.3505
0.9779	0.0093	41.6236	-60.0831	-0.0002	39.2368	46.5327
0.9774	0.0094	42.2858	-61.1869	-0.0002	39.2886	46.5623
0.976	0.0096	43.3344	-62.0698	-0.0002	39.3714	46.7544
0.976	0.0097	44.5484	-63.4495	-0.0002	39.4025	46.8282
0.9771	0.0098	45.8177	-63.7254	-0.0002	39.4801	46.9021
0.9766	0.0101	47.1422	-66.6502	-0.0002	39.4491	47.0548
0.9762	0.0101	48.2459	-68.1402	-0.0002	39.4698	46.9809
0.9753	0.0103	49.4599	-69.2439	-0.0001	39.4335	46.9267
0.9741	0.0106	50.6188	-70.7891	-0.0002	39.5267	46.976
0.9743	0.0105	51.6674	-72.6654	-0.0002	39.5423	46.9366
0.9739	0.0108	52.6607	-73.8795	-0.0003	39.5837	46.9317
0.9733	0.0108	53.4333	-75.3143	-0.0002	39.5733	46.9021
0.9732	0.0113	54.3715	-76.6388	-0.0002	39.5526	46.7544
0.9732	0.0115	55.3648	-78.0184	-0.0002	39.5681	46.6608
0.9728	0.0119	56.4685	-78.9014	-0.0002	39.5216	46.6657
0.9716	0.0123	57.3515	-79.5636	0	39.5164	46.5574
0.9708	0.0123	58.3448	-80.4466	-0.0001	39.5216	46.4934
0.971	0.013	59.5589	-81.8262	-0.0002	39.6354	46.4983
0.9707	0.0131	60.8281	-83.1507	-0.0002	39.6976	46.518
0.9702	0.0131	62.0974	-84.1992	-0.0001	39.7442	46.4687
0.9693	0.0133	64.4152	-87.6759	-0.0001	39.858	46.2964
0.9689	0.0136	65.4085	-89.1107	-0.0001	39.8011	45.9467
0.9688	0.0135	66.1259	-90.2696	-0.0001	39.9409	45.5675
0.9675	0.0138	65.9604	-90.7663	-0.0001	40.2618	45.8925

0.9679	0.0138	65.5189	-91.2077	0	40.6398	45.7251
0.9674	0.0139	65.9604	-91.87	0	41.2092	45.9073
0.9674	0.0144	66.8985	-92.8081	0.0001	41.5819	46.0009
0.9659	0.0145	66.1259	-93.084	0	41.9754	46.0846
0.9653	0.0147	66.7882	-94.0222	0	42.4568	46.6411
0.9645	0.0151	67.616	-95.457	0.0001	42.5448	46.3013
0.9636	0.0152	68.3886	-95.7881	0	42.8037	46.3358
0.9626	0.0155	68.6093	-95.5122	0.0001	43.2023	46.7248
0.2666	0.0046	1.108	-1.7561	0.0014	22.8195	21.3396

0.6297	0.0185	21.5587	-33.9927	-0.0001	20.4215	22.972
0.5829	0.0314	22.452	-34.2718	0.0005	22.3106	23.563
0.5826	0.0296	22.0053	-34.3835	0.0006	23.8406	25.8481
0.6	0.0098	23.6802	-35.6676	0	23.7417	27.9117
0.614	0.0097	25.0202	-35.7234	0.0003	23.4346	29.3891
0.6254	0.0101	26.5276	-35.8909	0.0006	23.596	30.2264
0.6383	0.0104	28.2583	-35.6118	0.0006	23.7521	30.8223
0.6554	0.0106	36.6329	-35.9468	0.0005	23.903	31.3739
0.677	0.01	44.7842	-35.3885	0.0005	23.9863	31.8171
0.7022	0.0097	48.469	-35.8351	0.0005	24.4338	32.2357
0.7271	0.0082	48.2457	-36.4492	0.0003	25.0739	32.6445
0.7513	0.0081	46.0124	-36.7284	0.0001	25.8233	32.9942
0.7748	0.0079	45.9566	-36.6167	0.0002	26.5571	33.4079
0.7958	0.0078	45.9566	-37.4542	0.0001	27.218	33.8856
0.8146	0.0076	46.6824	-37.2309	0.0001	27.8113	34.2648
0.831	0.0075	46.1799	-38.4591	-0.0001	28.212	34.6834
0.8455	0.0074	46.5707	-38.3475	-0.0001	28.519	35.0035
0.8581	0.0074	46.6266	-39.4082	-0.0002	28.8313	35.2941

0.2447	0.0025	-21.0836	-30.5203	0.0021	29.219	23.5115
0.6397	0.0113	19.0528	-36.0223	-0.0001	22.0186	23.7747
0.5824	0.0091	19.9909	-36.5741	-0.0003	23.6856	27.0892
0.5794	0.0099	20.5428	-38.2297	-0.0002	24.8711	30.4135
0.5951	0.0099	22.0328	-38.2297	0	24.664	32.3195

0.6105	0.0102	23.9643	-37.0156	0.0003	24.1463	33.6393
0.6237	0.0108	25.7302	-38.2297	0.0005	24.0531	34.5406
0.6397	0.011	35.3325	-38.9471	0.0006	23.991	35.2547
0.6608	0.0109	40.6855	-38.5056	0.0005	24.0272	36.0131
0.6865	0.011	39.8577	-39.2782	0.0004	24.312	36.5697
0.7153	0.0105	39.4162	-40.3819	0.0003	24.8452	37.0819
0.7468	0.0084	40.5199	-40.4371	0.0002	25.4509	37.6236
0.775	0.0081	41.2925	-41.1545	0.0001	26.1135	38.1555
0.8012	0.0079	40.7958	-41.4856	0	26.6778	38.6332
0.8246	0.0078	40.4095	-42.1479	-0.0001	27.1541	39.1011
0.8456	0.0077	39.8577	-42.479	-0.0003	27.5061	39.5246
0.8647	0.0078	39.7473	-42.9757	-0.0001	27.7442	39.9383
0.8815	0.0077	39.6369	-43.6379	-0.0001	27.8892	40.2781
0.8956	0.0078	39.361	-43.7483	-0.0001	28.0393	40.5884
0.9074	0.0077	39.0851	-44.3001	-0.0002	28.0755	40.7854
0.9178	0.0078	38.754	-44.4105	-0.0001	28.1118	41.0021
0.9271	0.008	38.6436	-44.576	-0.0002	28.1532	41.2237
0.9355	0.008	37.871	-44.6312	-0.0003	28.2619	41.3419
0.9427	0.0083	37.9262	-44.7968	-0.0002	28.3758	41.4896
0.9485	0.0084	37.7606	-44.6864	-0.0002	28.4793	41.6719
0.9531	0.0085	37.2088	-44.7968	-0.0002	28.6605	41.8245
0.9573	0.0085	36.4914	-45.0727	-0.0002	28.8521	42.0412
0.9614	0.0084	36.381	-45.1279	-0.0003	29.0281	42.2333
0.9646	0.0086	35.8843	-45.3486	-0.0002	29.2766	42.3761
0.9674	0.0086	35.6084	-45.8453	-0.0003	29.4629	42.6667
0.97	0.0086	35.3325	-45.5694	-0.0002	29.6545	42.8834
0.9718	0.0087	34.891	-46.1764	-0.0003	29.8564	43.041
0.9732	0.0087	34.6702	-46.1212	-0.0002	30.0583	43.2183
0.974	0.0088	34.284	-45.9005	-0.0002	30.255	43.3069
0.975	0.0088	33.6217	-46.0109	-0.0003	30.4414	43.4695
0.9753	0.0088	33.6769	-46.1212	-0.0002	30.6898	43.568
0.9751	0.0089	33.6217	-46.066	-0.0002	30.9228	43.6369
0.9749	0.0089	33.3458	-46.5075	-0.0001	31.1972	43.8388
0.9749	0.009	32.6284	-46.4523	-0.0003	31.5596	44.09
0.9755	0.0091	32.4628	-46.6731	-0.0002	31.8961	44.3165
0.9756	0.009	32.1869	-47.0594	-0.0002	32.3413	44.5529
0.9756	0.009	32.1317	-47.556	-0.0002	32.7347	44.7844
0.9754	0.0091	31.7454	-47.9975	-0.0002	33.1488	45.0011

0.9755	0.009	32.0214	-48.6598	-0.0004	33.5164	45.2917
0.9753	0.009	32.2973	-49.1564	-0.0003	33.972	45.5478
0.9752	0.009	31.8006	-49.4875	-0.0003	34.4379	45.8137
0.9747	0.0092	32.0765	-49.929	-0.0002	34.909	46.0156
0.9743	0.0093	32.1869	-50.0946	-0.0002	35.3645	46.2717
0.9739	0.0094	31.9662	-50.4809	-0.0002	35.8046	46.5229
0.9741	0.0091	33.2906	-51.1983	-0.0002	36.3223	46.7938
0.9738	0.0093	33.2354	-51.3638	-0.0003	36.8606	47.0696
0.9736	0.0094	33.2906	-52.1364	-0.0002	37.3835	47.4389
0.9733	0.0094	33.0147	-52.2468	-0.0003	37.865	47.8083
0.9727	0.0096	33.1802	-53.1298	-0.0003	38.3619	48.153
0.9721	0.0097	33.2354	-54.0127	-0.0002	38.9003	48.5175
0.9719	0.0096	33.9528	-55.2268	-0.0004	39.3404	48.9213
0.9706	0.0104	34.284	-55.5579	-0.0003	39.8632	49.3153
0.9702	0.0104	34.5047	-56.3305	-0.0003	40.1945	49.6108
0.9699	0.0103	35.0014	-57.9861	-0.0004	40.5	49.8423
0.9691	0.0105	36.0499	-58.7035	-0.0003	40.7278	50.1378
0.9682	0.0106	37.5399	-60.9661	-0.0004	40.9245	50.3298
0.9675	0.0108	38.9195	-61.8491	-0.0005	41.085	50.4874
0.9664	0.0108	39.8577	-63.4495	-0.0004	41.2196	50.6352
0.9672	0.0109	41.1821	-65.1602	-0.0004	41.3593	50.7288
0.9665	0.011	42.0651	-66.9813	-0.0004	41.4732	50.9849
0.9661	0.0113	43.3344	-68.6921	-0.0005	41.5405	51.1375
0.9654	0.0116	45.0451	-70.1821	-0.0003	41.6337	51.236
0.965	0.0119	46.0936	-72.1136	-0.0003	41.613	51.2459
0.964	0.0121	47.9148	-74.1554	-0.0002	41.6544	51.1966
0.9633	0.0123	49.6255	-76.0869	-0.0002	41.5871	51.3345
0.9624	0.0123	50.8948	-78.0736	-0.0002	41.5819	51.3001
0.9617	0.0127	52.4951	-79.8395	-0.0003	41.5405	51.2557
0.9622	0.013	53.7644	-81.8262	-0.0003	41.5509	51.2607
0.962	0.0132	55.42	-83.3714	-0.0002	41.525	51.1622
0.9615	0.0136	55.9166	-85.1925	-0.0002	41.5716	51.0144
0.961	0.014	57.6826	-86.8481	-0.0002	41.5561	50.8125
0.9604	0.0144	58.7863	-88.007	-0.0002	41.6441	50.7928
0.96	0.0147	59.7796	-89.2762	-0.0002	41.9184	49.4483
0.9585	0.015	61.7663	-90.8766	-0.0002	42.2135	47.6753
0.9572	0.015	62.3182	-92.1459	-0.0001	42.0427	47.6113
0.9578	0.0155	63.8082	-93.9118	-0.0002	42.3429	47.4488

0.9569	0.0161	64.6911	-94.9052	-0.0002	42.3636	47.2173
0.9559	0.0164	65.3534	-96.0641	-0.0001	42.5448	47.0696
0.9556	0.0165	65.9604	-97.6644	-0.0002	42.4724	47.5867
0.9556	0.0166	67.0089	-99.0441	-0.0001	42.6432	47.306
0.9543	0.0166	68.2782	-101.0307	-0.0002	42.5759	47.3355
0.9538	0.0171	68.223	-103.3485	-0.0001	42.6639	47.3897
0.9529	0.017	68.0574	-104.2315	0	43.0004	47.567
0.9516	0.0174	68.4989	-106.1078	0.0001	43.2334	47.5818
0.9504	0.0171	68.9404	-106.4941	0.0002	43.9478	47.9166
0.9483	0.0183	67.9471	-106.2182	0	44.4447	48.153
0.9469	0.0183	66.9537	-106.77	0.0002	44.9003	48.4535
0.9435	0.0187	65.4637	-106.8252	0.0002	45.2523	48.6751

0.2089	0.0082	-1.2168	-4.1969	0.0147	23.8982	22.4876
0.5172	0.0082	14.1965	-79.6188	0.0001	18.5346	24.1737
0.5516	0.0082	21.4809	-37.126	-0.0003	20.2015	23.2921
0.5503	0.0082	20.598	-42.3134	0	20.9315	27.6457
0.5682	0.0082	21.5361	-42.0927	0.0001	20.7141	29.7191
0.5877	0.0082	22.8606	-42.9757	0.0003	20.5329	31.0833
0.6062	0.0082	24.3506	-43.086	0.0006	21.3042	32.4721
0.6265	0.0082	25.2887	-42.5894	0.0007	21.268	33.0188
0.6513	0.0082	27.165	-43.2516	0.0004	20.9625	33.3537
0.6868	0.0082	33.401	-43.0308	0.0005	21.2266	33.7428
0.7342	0.0082	35.498	-42.8101	0.0005	21.884	34.0383
0.7711	0.0082	36.1603	-42.9757	0.0002	22.8987	34.4963
0.8052	0.0082	36.7673	-43.4171	0.0002	24.1308	35.5059
0.8388	0.0082	36.4362	-43.4171	-0.0001	25.1661	35.8752
0.8692	0.0082	36.1603	-43.6379	0	26.7399	36.1264
0.8955	0.0082	36.1603	-43.9138	0	31.8857	36.3924
0.9196	0.0082	35.9395	-44.3001	0	33.9875	36.7026
0.9416	0.0082	35.7188	-44.0242	-0.0001	34.6398	37.0621
0.9571	0.0082	35.6084	-44.1346	-0.0003	35.2041	37.402
0.9708	0.0082	35.2221	-44.7968	-0.0002	35.5095	37.6778
0.9824	0.0083	35.2773	-44.4657	-0.0004	35.7735	37.9388
0.9915	0.0081	35.0014	-44.4657	-0.0003	36.0272	38.1555
0.9974	0.0082	34.6151	-45.1279	-0.0004	36.3016	38.3279

1.0022	0.0082	34.6702	-45.0175	-0.0003	36.5966	38.515
1.0059	0.0082	34.1184	-45.1279	-0.0003	36.7882	38.6677
1.0084	0.0082	33.8977	-45.2934	-0.0004	36.9953	38.84
1.0104	0.0084	33.8425	-45.2383	-0.0003	37.0418	38.9188
1.0118	0.0086	33.5665	-45.3486	-0.0004	37.1816	39.106
1.0131	0.0086	33.2906	-45.6246	-0.0005	37.2386	39.1946
1.0136	0.0087	32.8491	-45.1831	-0.0004	37.368	39.2882
1.0144	0.0087	32.6284	-45.4038	-0.0004	37.3007	39.3276
1.0146	0.0087	32.9043	-45.1831	-0.0005	37.4715	39.4754
1.0146	0.0089	32.7388	-45.2934	-0.0004	37.6941	39.5886
1.0148	0.0088	32.518	-45.5142	-0.0003	37.9892	39.7708
1.015	0.0089	32.1317	-45.1831	-0.0003	38.2998	39.9678
1.0163	0.0088	32.3525	-45.5694	-0.0003	38.5638	40.2289
1.0175	0.0088	31.8006	-45.7901	-0.0004	38.7916	40.4406
1.0177	0.0089	31.5799	-45.8453	-0.0005	39.0142	40.6229
1.0181	0.0089	31.635	-46.5075	-0.0006	39.2627	40.746
1.0186	0.009	31.6902	-46.3972	-0.0004	39.5267	40.9233
1.0189	0.009	31.4143	-47.0042	-0.0005	39.6613	41.0858
1.019	0.0091	31.2488	-46.8386	-0.0004	39.9305	41.2582
1.0201	0.0089	31.2488	-47.0042	-0.0005	40.1738	41.4502
1.0196	0.009	30.9176	-47.1698	-0.0003	40.3757	41.7162
1.0195	0.009	30.9176	-46.949	-0.0003	40.7433	42.0068
1.0193	0.0091	30.8073	-47.4457	-0.0004	41.0591	42.3515
1.0194	0.0091	30.7521	-47.7768	-0.0003	41.4007	42.6667
1.019	0.0091	30.5313	-48.1631	-0.0005	41.7476	42.972
1.0185	0.0093	30.8625	-48.3286	-0.0004	42.0479	43.2823
1.0182	0.0095	30.7521	-48.6598	-0.0004	42.2912	43.5581
1.0176	0.0102	30.9176	-48.8805	-0.0004	42.6691	43.7649
1.0167	0.0103	31.1384	-49.3772	-0.0004	42.959	43.9964
1.0161	0.0102	31.4143	-49.8187	-0.0004	43.2644	44.2574
1.0166	0.0101	31.5799	-50.1498	-0.0004	43.6009	44.548
1.016	0.0103	31.5799	-50.9224	-0.0004	44.0151	44.7943
1.0159	0.0103	31.8006	-50.9224	-0.0004	44.3671	44.9814
1.0154	0.0103	31.8558	-51.5846	-0.0004	44.5017	45.1488
1.0159	0.0102	32.4076	-52.0813	-0.0005	44.6932	45.4887
1.015	0.0104	32.1869	-52.3572	-0.0004	44.8796	45.661
1.0141	0.0105	32.5732	-52.7435	-0.0004	45.066	45.7448
1.0141	0.011	33.0147	-53.2402	-0.0004	45.2161	45.7891

1.0147	0.0111	33.1802	-53.792	-0.0004	45.4853	46.0255
1.0128	0.0112	33.7873	-54.1783	-0.0004	45.6872	46.2225
1.0138	0.0112	34.7806	-55.1165	-0.0004	45.7855	46.1683
1.0131	0.0114	35.3325	-55.9994	-0.0003	46.0547	46.3998
1.0124	0.0116	36.1603	-57.3239	-0.0003	46.3446	46.6263
1.0124	0.0116	36.6569	-58.7587	-0.0004	46.5155	46.7494
1.0119	0.0118	37.3743	-59.5313	-0.0004	46.94	46.9021
1.0131	0.0119	38.478	-60.1383	-0.0003	47.1626	47.1484
1.0127	0.0117	38.9195	-61.4628	-0.0004	47.3282	47.1779
1.0119	0.012	39.9129	-62.2906	-0.0004	47.4577	47.237
1.0117	0.0123	40.1336	-63.7254	-0.0006	47.4836	47.2222
1.0112	0.0125	40.9614	-64.1669	-0.0004	47.6751	47.306
1.0108	0.0127	41.5132	-64.9395	-0.0005	47.6389	47.4094
1.0103	0.0129	42.0099	-66.4295	-0.0004	47.7527	47.4291
1.0113	0.0131	43.0033	-67.2572	-0.0005	47.7838	47.4586
1.0103	0.0134	43.6655	-69.0232	-0.0004	47.7062	48.0693
1.0098	0.0133	44.1621	-70.8443	-0.0006	47.3024	48.7933
1.0098	0.0134	45.321	-71.8928	-0.0004	47.1522	48.5126
1.0105	0.0137	46.7559	-73.4932	-0.0004	47.0332	48.5027
1.0105	0.0137	47.1973	-75.0384	-0.0003	46.9037	48.3648
1.0094	0.0137	47.5285	-76.8595	-0.0002	46.8468	48.1038
1.009	0.014	48.7425	-78.9014	-0.0004	46.8623	48.1038
1.0096	0.014	50.6188	-80.9984	-0.0003	46.7381	47.9708
1.0084	0.0142	52.6055	-83.5921	-0.0003	46.5362	47.8822
1.0073	0.0148	55.5855	-85.5788	-0.0002	46.5517	47.7098
1.0056	0.0148	58.5104	-88.4484	-0.0002	46.4327	47.6113
1.0059	0.0149	60.773	-89.497	-0.0001	46.1272	47.5079
1.0059	0.0154	61.6007	-90.9318	-0.0001	46.0651	47.4291
1.0053	0.0156	60.3315	-90.38	0.0002	45.9564	47.5965
1.0024	0.0163	59.1174	-91.4837	0.0005	45.5578	47.7935
0.98	0.0173	57.2963	-110.4674	0.0006	43.0056	45.6413

0.3203	0.0026	0.7698	-1.2168	0.0008	22.561	24.1587
0.6464	0.01	21.1498	-33.7597	0	18.752	28.6012
0.6017	0.0095	21.5913	-35.1393	-0.0001	21.0143	32.0092
0.5974	0.0105	21.5913	-35.3049	-0.0001	22.6554	33.6344
0.6111	0.0107	23.302	-35.8015	0	23.1886	34.6145

0.6251	0.0109	24.185	-36.1327	0.0001	22.821	35.2596
0.64	0.0113	25.3991	-35.8015	0.0004	23.1679	35.8112
0.6553	0.0119	27.8824	-35.636	0.0005	23.7684	36.3283
0.6717	0.0117	32.6284	-35.4153	0.0004	24.4932	36.8061
0.6985	0.0104	33.401	-35.8015	0.0004	25.5751	37.1015
0.7241	0.0099	34.1736	-36.243	0.0002	26.6105	37.4463
0.7523	0.0094	34.3943	-36.2982	0.0001	26.0048	37.7763
0.7785	0.0091	34.7806	-37.4571	0.0001	26.3931	38.0668
0.8045	0.0088	34.6702	-37.6227	0	27.035	38.3525
0.8273	0.0086	34.2288	-39.3886	-0.0001	27.6614	38.6184
0.8478	0.0087	34.891	-40.3268	0	28.1894	38.8991
0.866	0.0086	34.6702	-40.8786	0	28.5622	39.1158
0.8819	0.0088	34.9462	-42.0375	-0.0002	28.8365	39.2784
0.8969	0.0088	34.6702	-42.479	-0.0001	29.0747	39.4606
0.9124	0.009	34.6702	-42.5342	-0.0001	29.318	39.5936
0.922	0.0091	34.2288	-42.9757	0	29.4888	39.7955
0.9311	0.0091	34.2288	-43.2516	-0.0001	29.7632	39.9728
0.9391	0.0092	34.008	-43.3068	-0.0001	30.0013	40.1648
0.9464	0.0091	34.008	-43.5275	0	30.2498	40.3421
0.9519	0.0092	33.8977	-44.0794	-0.0001	30.5035	40.4702
0.9568	0.0091	33.8425	-44.1897	-0.0002	30.7054	40.5145
0.9614	0.0091	33.6217	-44.576	-0.0001	30.959	40.4899
0.9653	0.0095	33.6769	-45.0175	-0.0001	31.1713	40.5588
0.9683	0.0096	33.2906	-45.8453	-0.0002	31.4094	40.6426
0.9712	0.0094	33.4562	-46.2868	-0.0001	31.6683	40.6721
0.973	0.0094	33.6217	-46.7835	-0.0001	31.9219	40.7558
0.9744	0.0097	33.2354	-46.6179	-0.0002	32.2222	40.8051
0.9757	0.0098	33.9528	-46.8386	-0.0001	32.5276	40.8987
0.9776	0.0097	33.9528	-47.1698	-0.0002	32.8382	41.0513
0.9794	0.0099	33.7873	-47.4457	-0.0002	33.2731	41.1351
0.9804	0.01	34.008	-47.6112	-0.0003	33.6976	41.268
0.9806	0.01	34.6702	-48.1079	-0.0001	34.1894	41.4847
0.9808	0.0099	35.0014	-49.4324	-0.0002	34.6553	41.6768
0.9807	0.0102	34.891	-50.1498	-0.0001	35.1368	41.8147
0.9811	0.0102	35.9947	-50.5913	0	35.6544	42.0314
0.9808	0.0103	36.2706	-51.8605	-0.0002	36.1618	42.1594
0.9804	0.0103	36.7673	-53.0194	-0.0002	36.5759	42.3466
0.9801	0.0102	37.7606	-54.3439	-0.0001	37.0211	42.4845

0.9786	0.0104	38.754	-56.0546	-0.0001	37.4405	42.6125
0.9788	0.0106	40.0232	-57.8757	-0.0001	37.8753	42.7947
0.9776	0.0108	41.1821	-60.4143	-0.0001	38.2843	42.8932
0.9761	0.0106	43.3895	-62.4561	-0.0001	38.5949	43.0705
0.9751	0.0109	45.4866	-64.8843	-0.0001	38.9159	43.1986
0.9746	0.0109	47.9699	-67.5332	-0.0001	39.1178	43.3119
0.9747	0.0111	49.5151	-70.5684	0	39.3973	43.499
0.9747	0.0115	52.3848	-73.9347	-0.0001	39.6924	43.6418
0.974	0.0114	54.7578	-77.7425	-0.0001	39.8581	43.7896
0.9704	0.0115	57.6274	-81.2744	-0.0001	40.0962	43.9127
0.9703	0.0118	61.7111	-85.8547	-0.0001	40.2929	44.0063
0.9696	0.0119	64.7463	-90.7111	-0.0001	40.4534	44.1146
0.9693	0.012	68.8852	-96.064	-0.0001	40.6087	44.1983
0.9682	0.0121	72.9689	-101.1411	-0.0002	40.6449	44.3264
0.9679	0.0124	77.4941	-106.9356	-0.0001	40.7433	44.4003
0.9669	0.0128	81.1916	-112.2886	-0.0001	40.7951	44.3609
0.9673	0.0129	85.3857	-117.6415	-0.0001	40.7536	44.351
0.9666	0.0132	90.0212	-123.2153	-0.0001	40.7329	44.2279
0.9652	0.0133	92.5046	-129.0098	-0.0002	40.6656	44.1983
0.9653	0.0136	96.1468	-133.9212	-0.0001	40.6605	44.1934
0.9657	0.0144	100.1202	-137.8394	-0.0001	40.6656	44.1639
0.9677	0.0148	102.438	-141.6472	0	40.7847	44.1983
0.9676	0.0152	104.5902	-145.5654	-0.0002	40.8313	44.218
0.9668	0.0154	106.7976	-149.6491	0	40.8779	44.2328
0.9653	0.0157	108.6187	-153.4017	0	40.9297	44.2476
0.9651	0.0163	110.495	-157.3751	-0.0001	40.9607	44.2082
0.9654	0.0161	113.9717	-161.9003	-0.0001	40.9348	44.2574
0.9642	0.0161	115.241	-165.6529	0	40.852	44.2328
0.9639	0.0163	115.241	-168.964	0	40.8468	44.1786
0.9625	0.0166	118.3314	-172.0544	0	40.8365	44.1245
0.9614	0.0172	121.5873	-174.7585	-0.0001	40.8986	44.0703
0.9604	0.0172	123.3532	-177.6281	-0.0001	40.8779	44.0703
0.9603	0.0175	124.4018	-181.3807	-0.0001	40.9038	43.9669
0.9579	0.0178	126.1677	-184.5815	-0.0001	40.8779	43.8437
0.956	0.018	127.8233	-186.7337	-0.0001	40.852	43.7009
0.9559	0.0183	129.6996	-188.0582	-0.0001	40.9141	43.6911
0.9557	0.0189	132.7348	-188.2789	-0.0001	41.0073	43.6714
0.9558	0.0193	136.5426	-190.3208	0	41.1989	43.6665

0.9556	0.0198	138.4189	-193.5767	0.0001	41.2196	43.7108
0.9556	0.0196	139.5226	-195.3978	0	41.3749	43.7551
0.9548	0.0198	141.0126	-197.4949	0	41.4784	43.7896
0.9553	0.0201	141.8404	-198.3227	0.0001	41.3749	43.7699
0.9544	0.0203	142.2267	-198.433	0.0001	41.4008	43.7009
0.3067	0.0063	-0.7698	-2.8062	0.0025	18.7591	23.9902
0.6968	0.0053	18.5561	-32.2697	-0.0002	17.8305	25.6955
0.6191	0.0091	22.1432	-36.8501	0	19.9272	26.6016
0.6146	0.0099	21.812	-37.6227	-0.0001	21.5682	28.9902
0.6235	0.0101	23.2469	-38.7816	0	21.5838	30.7189
0.6339	0.0104	24.6265	-38.6712	0.0002	21.6666	31.8664
0.6433	0.0107	25.951	-38.6712	0.0004	22.0186	32.7479
0.6547	0.0109	27.3306	-39.0023	0.0006	22.2982	33.462
0.6714	0.0104	32.7388	-38.1193	0.0005	22.5674	34.2747
0.6922	0.01	32.7388	-40.2716	0.0004	22.8832	34.8804
0.716	0.0095	33.2354	-39.7197	0.0004	23.4215	35.4222
0.7413	0.0091	33.3458	-40.989	0.0002	23.9858	35.8408
0.7668	0.0087	33.6769	-41.596	0.0002	24.5087	36.2298
0.7907	0.0085	33.6217	-41.9823	0.0001	25.1661	36.5894
0.8131	0.0084	33.8425	-41.8168	-0.0001	25.7511	36.9292
0.8336	0.0082	34.2288	-42.2582	0	26.2792	37.3478
0.8525	0.0081	34.6702	-42.4238	0.0001	26.6726	37.791
0.8725	0.008	34.7254	-43.1412	-0.0001	27.0609	38.2786
0.8877	0.0082	35.0014	-43.2516	0	27.3663	38.7317
0.901	0.0081	35.1117	-43.6931	0	27.6252	39.1306
0.9121	0.0082	35.2221	-44.2449	-0.0001	27.8063	39.4064
0.9225	0.0081	34.9462	-44.852	-0.0002	28.0082	39.697
0.9314	0.0082	35.0565	-45.1831	-0.0002	28.1014	40.0023
0.939	0.0083	35.0565	-45.3486	-0.0002	28.205	40.219
0.9457	0.0082	35.2221	-45.2934	0	28.3292	40.48
0.9502	0.0083	35.3877	-45.6246	-0.0001	28.4017	40.6918
0.9547	0.0084	35.1117	-46.066	-0.0001	28.5311	40.8248
0.959	0.0087	35.3325	-45.8453	-0.0002	28.6657	41.0316
0.9631	0.0087	34.891	-45.9557	-0.0001	28.8158	41.1203
0.9659	0.0088	34.8358	-46.2868	-0.0002	29.0436	41.332
0.9684	0.009	35.1117	-46.1212	-0.0001	29.2352	41.4404

0.9705	0.009	34.7806	-46.5627	-0.0001	29.494	41.7704
0.9722	0.009	34.8358	-46.342	-0.0001	29.6752	41.859
0.9734	0.0092	34.5599	-46.4523	-0.0001	29.9133	42.0117
0.9765	0.0092	34.5047	-46.7283	-0.0001	30.2188	42.1939
0.9771	0.0092	34.3943	-47.0594	0	30.4465	42.386
0.9777	0.009	34.3943	-48.7149	-0.0001	30.7623	42.6174
0.978	0.009	34.5047	-48.8253	-0.0001	31.0212	42.711
0.9783	0.009	34.6151	-49.2668	-0.0001	31.3111	43.0016
0.9782	0.009	34.5599	-49.8738	0	31.6165	43.169
0.9781	0.009	34.5047	-49.929	-0.0001	31.953	43.2922
0.9781	0.009	34.9462	-50.9224	-0.0001	32.274	43.366
0.9779	0.0091	34.3943	-50.812	-0.0002	32.7554	43.5827
0.9775	0.0093	34.3943	-51.1983	-0.0003	33.1747	43.7551
0.9771	0.0093	34.3943	-51.419	-0.0001	33.7131	43.8585
0.9767	0.0094	34.8358	-51.5294	-0.0001	34.1894	44.1836
0.9763	0.0094	34.6702	-52.5779	-0.0001	34.9038	44.4988
0.9761	0.0096	35.2221	-52.909	-0.0001	35.406	44.7893
0.9759	0.0097	35.498	-53.6816	-0.0001	35.9081	45.07
0.9756	0.0098	36.0499	-54.7302	-0.0001	36.4827	45.4
0.9741	0.0099	36.6569	-55.9994	-0.0001	37.0729	45.8383
0.9745	0.0096	37.3743	-57.1583	-0.0001	37.5544	46.1141
0.9742	0.0097	38.2021	-58.4276	-0.0002	37.9944	46.252
0.9739	0.0099	38.754	-59.9728	-0.0002	38.4034	46.6411
0.9741	0.0101	39.9681	-61.4076	-0.0001	38.7191	46.779
0.9731	0.0103	40.851	-62.9528	-0.0001	39.0712	47.1237
0.9733	0.0101	42.7825	-64.7739	-0.0001	39.3714	47.5128
0.9731	0.0103	43.9966	-66.9813	-0.0001	39.5992	47.6803
0.9731	0.0104	45.2107	-68.8576	-0.0001	39.7649	47.8526
0.9727	0.0106	46.9214	-70.9547	-0.0001	40.0755	48.0348
0.9715	0.0107	48.4114	-72.8862	-0.0001	40.2929	48.3796
0.9714	0.0107	50.7292	-75.1488	0	40.4327	48.6111
0.9712	0.011	52.44	-78.184	-0.0001	40.5725	48.7391
0.9708	0.0108	54.2059	-80.3362	-0.0001	40.6501	48.9213
0.9705	0.0114	56.5237	-82.5436	-0.0001	40.8002	49.1282
0.97	0.0115	58.1241	-85.027	-0.0001	40.8158	49.1479
0.9696	0.0114	60.3867	-87.6207	-0.0001	40.8158	49.0838
0.9695	0.0116	62.8148	-90.1592	-0.0001	40.8261	49.1725
0.9687	0.0117	64.4704	-92.6425	-0.0001	40.676	49.1282

0.9692	0.0118	65.6293	-94.2981	-0.0002	40.6035	49.1331
0.969	0.0121	67.0641	-96.6711	-0.0001	40.5259	49.0937
0.9682	0.0123	69.1611	-98.9889	-0.0001	40.5207	49.0051
0.968	0.0124	70.32	-100.7548	-0.0001	40.5	48.946
0.9681	0.0126	71.4238	-102.3	-0.0001	40.3809	48.8475
0.9671	0.0131	72.4171	-103.2933	0	40.4482	48.6258
0.9676	0.0133	72.5275	-103.6245	0	40.4948	48.5076
0.9669	0.014	72.9689	-104.5626	0	40.5776	48.5126
0.9656	0.0143	73.9623	-105.3904	-0.0001	40.9141	49.3744
0.9653	0.0144	75.8938	-106.3285	0	41.1781	49.5813
0.9655	0.0147	76.3904	-107.7082	-0.0001	41.3438	49.7881
0.9651	0.0149	76.5008	-108.9774	-0.0001	41.4008	49.4975
0.9645	0.0153	77.1078	-110.026	0	41.5768	49.6502
0.9642	0.0153	76.8319	-111.1297	0	41.3335	49.0001
0.9641	0.0155	77.8253	-112.9508	0	41.2869	48.3747
0.9632	0.0158	78.5427	-114.496	-0.0001	41.5457	48.6258
0.9632	0.0158	80.7501	-116.2067	-0.0002	41.6078	48.3303
0.9622	0.0162	80.8605	-117.7519	0	41.5043	48.1333
0.9619	0.0164	82.9023	-120.0145	0	41.6803	48.089
0.9614	0.0167	84.0612	-121.5597	0.0001	41.6699	48.0644
0.9602	0.017	84.7234	-122.0564	0	42.053	48.3845
0.9599	0.0172	83.7301	-122.8842	0.0001	42.4879	48.2614
0.9586	0.0176	86.2134	-123.9879	0.0001	42.5397	47.8625
0.9571	0.0178	84.7786	-126.3057	0.0001	43.3369	48.4387
0.228	0.0004	-13.0116	-18.735	-0.0003	26.276	20.462
0.6208	0.0089	22.5636	-33.1552	-0.0005	27.244	22.1003
0.5825	0.015	22.3961	-33.4902	-0.0004	28.2796	24.0998
0.5724	0.0171	22.3961	-33.6019	-0.0004	28.3161	26.7248
0.5885	0.0173	23.4569	-33.546	-0.0002	27.7748	28.8967
0.6081	0.0171	24.3502	-33.9369	0.0002	26.1928	30.4628
0.6236	0.018	25.1318	-34.2718	0.0005	25.5943	31.7137
0.6399	0.0183	26.2484	-34.7185	0.0008	25.5839	32.5559
0.6599	0.0183	28.0908	-34.9418	0.0008	25.5527	33.2847
0.6841	0.0175	35.5721	-34.9418	0.0006	25.4278	33.8954
0.7122	0.0153	39.2569	-36.1142	0.0004	25.5371	34.4323
0.7399	0.0147	39.7594	-36.8959	0.0001	25.8441	34.7868

0.767	0.0143	40.0944	-38.3475	0	26.2917	35.1513
0.7932	0.0136	41.7135	-37.3983	0	26.7913	35.693
0.8174	0.0134	40.1502	-37.9008	-0.0001	27.3897	36.1264
0.8385	0.0137	39.0336	-39.0733	-0.0001	27.8425	36.811
0.8581	0.0133	38.4753	-40.0224	-0.0002	28.2484	37.4857
0.8748	0.0133	38.5311	-41.0273	-0.0002	28.5919	38.0274
0.8894	0.0132	38.3078	-40.9715	-0.0003	28.8521	38.5199
0.9023	0.0131	37.7495	-41.3623	-0.0003	29.0186	38.9829
0.9136	0.013	37.4704	-41.7531	-0.0003	29.1227	39.2833
0.9238	0.0131	37.0795	-42.1998	-0.0004	29.1539	39.5295
0.9328	0.0129	36.8004	-42.1439	-0.0003	29.258	39.7709
0.94	0.0132	36.4096	-42.4231	-0.0004	29.3413	40.1402
0.946	0.0133	36.1863	-42.7581	-0.0003	29.3569	40.3865
0.9515	0.0134	35.9071	-42.6464	-0.0003	29.3569	40.5539
0.9567	0.0137	35.6838	-42.5906	-0.0005	29.4922	40.7164
0.9615	0.0137	35.628	-42.6464	-0.0004	29.6015	40.8642
0.9654	0.0141	35.628	-42.5348	-0.0004	29.6952	41.0316
0.9684	0.0142	35.1813	-43.2047	-0.0004	29.7888	41.2483
0.9711	0.0142	35.4046	-42.7581	-0.0004	29.9137	41.3961
0.9728	0.0142	34.5672	-43.0931	-0.0004	29.971	41.4601
0.974	0.0147	35.1813	-43.3164	-0.0004	30.0855	41.6669
0.9748	0.0147	34.6788	-43.1489	-0.0003	30.1219	41.731
0.9757	0.0145	34.623	-43.3722	-0.0004	30.1375	41.7654
0.9758	0.0147	34.7347	-43.7072	-0.0005	30.1323	41.6669
0.9762	0.0145	34.4555	-43.9864	-0.0004	30.1843	41.6275
0.976	0.0148	34.3997	-44.098	-0.0004	30.1947	41.6423
0.9761	0.0151	34.4555	-44.2655	-0.0003	30.2208	41.5783
0.9762	0.0148	34.288	-44.3213	-0.0004	30.2988	41.6423
0.9761	0.0152	34.3997	-44.2097	-0.0003	30.4289	41.6423
0.9758	0.0154	34.2322	-44.4888	-0.0004	30.4862	41.6177
0.9756	0.0156	34.3439	-44.433	-0.0004	30.6579	41.7162
0.9756	0.0156	34.0089	-44.433	-0.0004	30.8817	41.8886
0.9752	0.0157	33.7297	-44.7121	-0.0004	31.069	41.8935
0.9747	0.0158	33.8972	-44.6005	-0.0004	31.2199	41.9723
0.9748	0.0154	33.8414	-44.8238	-0.0004	31.3761	42.0511
0.9745	0.0158	33.7856	-44.8238	-0.0003	31.501	42.1397
0.9743	0.0158	34.1764	-44.9355	-0.0004	31.7143	42.2875
0.9742	0.0157	34.1764	-45.6054	-0.0003	31.9745	42.4992

0.9741	0.0156	34.0089	-46.6662	-0.0005	32.2608	42.8144
0.9732	0.0159	34.1205	-45.8846	-0.0004	32.5678	42.9671
0.9731	0.0158	34.3997	-46.5546	-0.0003	32.8384	43.1198
0.9728	0.016	34.3439	-47.0012	-0.0004	33.1819	43.3266
0.9726	0.0162	33.8414	-47.3362	-0.0004	33.5826	43.5778
0.9722	0.0163	34.288	-47.5037	-0.0003	34.0926	43.9422
0.9721	0.0162	34.288	-47.6712	-0.0003	34.5454	44.3412
0.9715	0.0165	34.2322	-47.5037	-0.0003	35.0606	44.7352
0.9707	0.0171	34.3439	-48.0061	-0.0004	35.5237	45.0257
0.9704	0.0172	34.3439	-48.5086	-0.0003	36.0285	45.2917
0.97	0.0172	34.5114	-48.8994	-0.0004	36.4501	45.6118
0.9698	0.017	34.5672	-48.8436	-0.0005	36.8872	45.9073
0.9692	0.017	34.3997	-49.4577	-0.0004	37.3816	46.2619
0.9679	0.0169	34.623	-49.7927	-0.0003	37.7615	46.4293
0.9681	0.0165	34.958	-49.9602	-0.0005	38.1726	46.7396
0.9672	0.0164	34.5114	-50.351	-0.0006	38.6358	47.0597
0.967	0.0166	35.1255	-50.686	-0.0004	39.1093	47.2764
0.9662	0.0168	34.958	-51.1885	-0.0004	39.661	47.5227
0.9657	0.0167	34.1764	-51.4118	-0.0004	40.1658	47.7197
0.9642	0.0168	34.2322	-52.0818	-0.0004	40.6758	48.0742
0.9641	0.0169	34.1764	-52.6959	-0.0004	41.1493	48.3353
0.9629	0.0168	33.8972	-53.4775	-0.0004	41.5709	48.5864
0.9623	0.0167	34.5114	-54.8175	-0.0004	42.034	48.9066
0.9604	0.0169	35.0138	-56.6599	-0.0004	42.4191	49.0149
0.959	0.0168	35.5721	-58.0556	-0.0004	42.7002	49.2414
0.9584	0.0167	36.9121	-60.1214	-0.0004	42.8875	49.3744
0.9571	0.0168	38.922	-63.6387	-0.0004	43.0853	49.6059
0.9541	0.0172	40.0386	-65.9836	-0.0005	43.205	49.7586
0.9522	0.0173	41.9368	-69.5567	-0.0004	43.3715	49.9309
0.9489	0.0175	43.3326	-75.0281	-0.0003	43.3351	49.8718
0.2104	0.0015	1.4597	-0.2487	0.0005	24.9271	22.4389
0.5396	0.0089	20.8887	-62.3546	-0.0004	21.9723	25.001
0.4776	0.0091	23.9594	-29.6937	-0.0004	22.1857	24.9863
0.4482	0.0091	24.4619	-33.2669	-0.0001	22.0712	29.1872
0.4692	0.0091	25.076	-34.8301	-0.0002	22.373	31.4379
0.4909	0.0091	26.3043	-34.6627	0.0003	22.1076	32.5854
0.5102	0.0091	28.9841	-34.6626	0.0006	22.2429	33.4768
0.5293	0.0091	30.8265	-35.221	0.0008	22.5499	34.255

0.5541	0.0091	35.628	-34.6627	0.0007	22.7893	35.0282
0.5842	0.0091	36.2979	-35.1651	0.0006	23.0391	35.7029
0.6188	0.0091	36.4654	-36.3934	0.0004	23.4919	36.3037
0.6561	0.0091	37.0237	-36.3934	0.0003	24.1216	36.8208
0.6937	0.0091	37.4145	-37.2309	0.0002	24.7669	37.2788
0.7301	0.0091	37.917	-37.7892	0	25.4851	37.7418
0.7637	0.0091	37.917	-40.5807	0	26.0939	38.1506
0.7929	0.0091	37.917	-41.474	0	26.5935	38.5248
0.8187	0.0091	38.0845	-41.6973	-0.0001	27.0203	38.9484
0.8417	0.0091	38.1962	-42.4231	-0.0001	27.3221	39.3128
0.8615	0.0091	38.3078	-42.6464	-0.0001	27.5303	39.6428
0.8789	0.0091	38.8103	-42.9814	-0.0002	27.7072	39.9284
0.8937	0.0091	38.8103	-42.9256	-0.0001	27.8373	40.1156
0.9073	0.0091	38.4195	-43.3164	-0.0002	27.9414	40.3717
0.919	0.0091	38.4195	-43.1489	-0.0002	28.0871	40.6524
0.9293	0.0091	38.3078	-43.0372	-0.0002	28.186	40.7558
0.9376	0.0091	38.252	-43.2047	-0.0002	28.2484	41.0218
0.9447	0.0091	38.0287	-43.428	-0.0002	28.3265	41.2335
0.9512	0.0091	38.252	-43.3722	-0.0004	28.4358	41.4699
0.9568	0.0091	37.8612	-43.8189	-0.0001	28.5294	41.5684
0.9618	0.0091	38.4753	-43.9864	-0.0001	28.6752	41.7999
0.9659	0.0091	38.4195	-44.098	-0.0003	28.7896	41.9132
0.9687	0.0091	38.587	-44.3772	-0.0002	28.8729	42.0265
0.971	0.0091	38.4753	-44.3772	-0.0002	28.9822	42.056
0.9725	0.0091	38.3078	-44.6005	-0.0002	29.0707	42.12
0.9737	0.0091	38.1403	-44.6563	-0.0002	29.1799	42.2431
0.9749	0.0091	38.4753	-44.768	-0.0002	29.3153	42.3121
0.9756	0.0091	38.0287	-44.9913	-0.0002	29.4922	42.4648
0.9765	0.0091	37.6379	-45.1588	-0.0002	29.716	42.6568
0.9772	0.0091	37.6937	-44.6563	-0.0002	29.9293	42.7504
0.9777	0.0091	37.4145	-44.8796	-0.0002	30.1323	42.908
0.9776	0.0091	37.1354	-44.8796	-0.0002	30.3873	43.0705
0.9778	0.0091	37.1354	-44.8796	-0.0002	30.6527	43.2331
0.9779	0.0091	37.0795	-44.768	-0.0002	30.8817	43.3562
0.978	0.0091	36.8004	-44.8238	-0.0002	31.1003	43.5138
0.978	0.0091	36.7446	-45.1588	-0.0002	31.3084	43.6369
0.9782	0.0091	36.8004	-45.3821	-0.0002	31.5582	43.7551
0.9778	0.0091	36.4654	-45.9404	-0.0003	31.7768	43.8437

0.9768	0.0091	36.3538	-47.0012	-0.0004	32.0422	43.9767
0.974	0.0091	36.1863	-47.8945	-0.0004	32.2608	44.0801
0.9733	0.0092	36.0188	-48.0061	-0.0003	32.5106	44.1442
0.9729	0.0093	35.9629	-48.2295	-0.0003	32.854	44.287
0.9729	0.0093	36.1304	-48.062	-0.0003	33.2027	44.42
0.9727	0.0093	35.5163	-48.062	-0.0003	33.6242	44.617
0.9723	0.0093	35.6838	-48.3411	-0.0005	34.0041	44.8878
0.9718	0.0093	35.6838	-48.6203	-0.0004	34.5193	45.1439
0.9712	0.0093	35.8513	-49.0669	-0.0003	34.9669	45.3508
0.971	0.0092	35.628	-49.2902	-0.0004	35.4353	45.5527
0.9705	0.0093	35.7955	-49.6252	-0.0003	35.9088	45.7842
0.9701	0.0093	35.7396	-49.8486	-0.0003	36.3304	46.0206
0.9701	0.0092	36.0746	-50.7418	-0.0003	36.7987	46.2126
0.9696	0.0091	36.4096	-51.021	-0.0003	37.2723	46.4884
0.9693	0.0091	36.6329	-51.021	-0.0004	37.7667	46.8233
0.9685	0.0093	36.6329	-51.5793	-0.0003	38.3027	47.104
0.9675	0.0093	36.9121	-52.1376	-0.0003	38.7919	47.3749
0.9669	0.0098	37.0237	-53.0309	-0.0003	39.3383	47.5965
0.9669	0.0097	37.3587	-53.5334	-0.0002	39.8795	47.8625
0.9663	0.0096	37.3029	-54.0358	-0.0005	40.4052	48.1924
0.9655	0.0096	37.5262	-54.5941	-0.0004	40.8683	48.5076
0.9644	0.0097	37.7495	-55.8782	-0.0006	41.3627	48.9115
0.9634	0.0095	38.1962	-57.6648	-0.0003	41.8259	49.2612
0.962	0.0093	38.7545	-59.4514	-0.0005	42.1225	49.596
0.9597	0.0093	39.8711	-61.7405	-0.0004	42.492	49.9457
0.9581	0.0095	40.876	-63.8062	-0.0003	42.8094	50.3643
0.9569	0.0097	43.2767	-66.0952	-0.0004	43.0801	50.7091
0.956	0.0096	45.1192	-68.3843	-0.0004	43.3351	50.911
0.9538	0.0096	47.3524	-72.1249	-0.0004	43.5224	51.1868
0.951	0.0098	50.0881	-75.5306	-0.0003	43.7202	51.3936
0.9484	0.0098	53.2704	-78.9362	-0.0002	43.8919	51.4429
0.9448	0.0099	55.8386	-83.626	-0.0004	43.9543	51.6547
0.94	0.0102	59.0768	-87.4783	-0.0003	44.0272	51.763
0.9336	0.0103	62.7058	-92.1122	-0.0004	44.1469	51.8664
0.9279	0.0107	65.9998	-96.2995	-0.0003	44.2094	51.8763
0.9224	0.0109	69.0146	-100.2635	-0.0003	44.3342	51.9895
0.9149	0.0111	72.0294	-105.1766	-0.0003	44.3447	51.9797
0.9084	0.0113	74.821	-111.4296	-0.0003	44.4071	51.9255

0.2956	0.0008	-13.1866	-21.2326	0.0001	25.9855	22.8378
0.6562	0.0066	20.9291	-36.8501	-0.0003	21.6511	23.2084
0.6059	0.0099	20.7083	-38.7816	-0.0001	20.5639	25.134
0.5922	0.0105	20.2117	-41.4857	0	22.2257	27.6654
0.6	0.0106	21.3706	-42.5342	0	22.9867	29.5123
0.6149	0.0106	22.088	-42.0375	0.0002	22.4121	30.8863
0.6273	0.0111	23.7987	-42.3134	0.0003	22.1532	31.8516
0.6393	0.0109	26.1165	-42.2031	0.0005	22.1636	32.615
0.6537	0.0113	28.1032	-41.4856	0.0006	22.2464	33.2256
0.674	0.0109	31.5247	-41.9271	0.0005	22.381	33.9004
0.698	0.0099	33.1802	-41.4305	0.0004	22.7071	34.4618
0.7232	0.0097	33.4562	-41.9271	0.0003	23.2248	34.9247
0.7487	0.0097	34.3943	-42.3686	0.0002	23.9962	35.3877
0.7736	0.0093	35.2773	-42.8101	0.0001	24.664	35.8014
0.7968	0.0089	34.891	-43.1964	0.0001	25.2334	36.1264
0.8183	0.0084	35.3325	-43.6379	0.0001	25.8598	36.4859
0.8375	0.0084	35.6084	-44.3553	0	26.3568	36.8159
0.8548	0.0082	35.498	-44.9623	0	26.7503	37.2542
0.8706	0.0081	35.774	-45.2934	0	27.0816	37.6137
0.8845	0.008	35.9395	-45.459	0.0001	27.4025	37.9191
0.8958	0.0081	35.4428	-45.6797	0	27.6044	38.1653
0.9061	0.0082	35.498	-45.5694	0	27.8115	38.3623
0.9149	0.0084	35.2773	-45.6246	-0.0001	28.0497	38.6283
0.9229	0.0084	35.3325	-45.5694	-0.0002	28.2205	38.8942
0.9298	0.0085	35.3877	-45.7349	0	28.4172	39.1602
0.9359	0.0084	34.9462	-46.2316	-0.0002	28.6346	39.431
0.9407	0.0086	34.9462	-46.5627	-0.0002	28.7848	39.7019
0.9451	0.0086	34.9462	-46.949	-0.0004	28.9194	39.894
0.9483	0.0087	35.0565	-48.1079	-0.0001	29.1264	40.1205
0.9511	0.0088	35.1117	-48.2735	-0.0002	29.2559	40.3224
0.9536	0.0089	34.6151	-48.8253	-0.0001	29.3646	40.4603
0.9561	0.0089	34.5047	-49.1564	-0.0002	29.5302	40.5785
0.9581	0.0091	35.1669	-49.5979	-0.0001	29.7891	40.7164
0.9599	0.0091	34.9462	-50.0394	-0.0001	29.9599	40.8396
0.9617	0.0093	34.7254	-49.6531	0	30.1877	40.8888

0.9628	0.0095	35.1669	-49.8187	-0.0002	30.4672	41.0759
0.9637	0.0095	34.9462	-50.2601	-0.0001	30.7675	41.2779
0.9644	0.0095	35.1669	-50.3705	0	31.1609	41.4798
0.9648	0.0096	35.3325	-50.9775	-0.0001	31.4974	41.6916
0.965	0.0097	34.7254	-51.5846	-0.0001	31.8753	41.9427
0.9652	0.0098	35.3325	-51.419	-0.0001	32.2429	42.1939
0.965	0.0096	35.3877	-52.1916	-0.0001	32.6778	42.4648
0.9645	0.0097	35.2773	-53.1298	-0.0001	33.0505	42.7947
0.9635	0.0098	35.4428	-53.8472	-0.0001	33.475	43.0361
0.9632	0.0098	35.6084	-54.3439	-0.0001	33.8943	43.2774
0.9627	0.0097	35.9395	-54.8957	0	34.3861	43.5483
0.9623	0.0097	35.774	-55.7787	-0.0001	34.8313	43.76
0.9617	0.01	36.4914	-56.9376	-0.0002	35.3024	44.0161
0.9618	0.0102	36.9329	-57.1583	-0.0001	35.7632	44.287
0.9613	0.0102	36.9328	-57.7654	0	36.2446	44.484
0.9609	0.0101	37.2088	-58.8691	-0.0001	36.7002	44.8829
0.9601	0.0102	38.2021	-59.6417	0	37.1299	45.272
0.9589	0.0103	38.9747	-61.0765	-0.0001	37.5751	45.6167
0.9581	0.0104	39.8025	-61.7939	-0.0001	37.9633	46.0255
0.9577	0.0103	41.0166	-64.0565	-0.0001	38.4189	46.4392
0.9572	0.0103	42.2858	-65.988	0	38.6415	46.6903
0.957	0.0104	44.0518	-68.1954	-0.0001	38.9573	46.9415
0.957	0.0102	45.4314	-70.7891	-0.0001	39.2472	47.2567
0.9558	0.0103	47.694	-73.9347	0	39.4543	47.4882
0.9552	0.0104	49.8462	-76.1973	0	39.6147	47.7295
0.9547	0.0106	52.3296	-79.1773	-0.0001	39.7286	47.8182
0.9537	0.011	54.537	-82.2125	0	39.9564	48.0545
0.9532	0.0111	56.8548	-84.9166	-0.0002	40.0651	48.153
0.9518	0.0113	59.1726	-88.007	-0.0002	40.2308	48.3057
0.951	0.0113	61.8215	-91.594	-0.0002	40.3136	48.4436
0.95	0.0117	64.8567	-95.0155	-0.0001	40.4275	48.6406
0.9488	0.0118	67.1745	-98.4922	-0.0002	40.4845	48.6702
0.9475	0.0119	69.8234	-102.4656	-0.0001	40.6087	48.8228
0.9467	0.0122	72.8586	-106.2734	0	40.6812	48.8869
0.9453	0.0126	75.3971	-109.8052	-0.0001	40.7071	48.8475
0.944	0.0126	78.4875	-113.5026	-0.0001	40.6656	48.744
0.9415	0.0129	80.7501	-116.9241	0	40.7071	48.877
0.9401	0.0131	82.9023	-120.5664	-0.0001	40.7485	48.8967

0.9383	0.0133	85.8271	-123.9879	0	40.7847	48.9164
0.9363	0.0138	87.9794	-127.6301	0	40.7226	48.7391
0.9344	0.0142	89.7453	-129.9479	-0.0001	40.7433	48.6209
0.9317	0.0143	90.7387	-131.2172	-0.0001	40.7847	48.6899
0.9288	0.0149	92.1735	-132.652	0	40.8417	48.6505
0.9266	0.015	93.6083	-134.142	0	40.8831	48.6849
0.924	0.0154	94.0498	-136.1287	0	40.94	48.7096
0.922	0.0156	95.7605	-137.6739	0	41.0487	48.8278
0.9185	0.0159	96.6987	-140.2124	0.0001	41.0746	49.0051
0.916	0.0161	97.2505	-141.8128	0	41.1109	49.2808
0.9142	0.0162	97.8024	-143.965	0	41.1781	49.2759
0.9112	0.0166	99.2372	-146.0621	0.0001	41.2869	49.2907
0.9085	0.0166	100.7272	-148.2695	0.0001	41.4266	49.3892
0.9054	0.017	101.9965	-150.0354	0	41.4629	49.4483
0.9015	0.0174	103.8176	-152.7395	0	41.5198	49.4237
0.8968	0.0175	105.3076	-155.6091	0.0001	41.6026	49.4335
0.8915	0.0181	108.1773	-158.9754	0.0001	41.7321	49.4631
0.8846	0.0184	110.8262	-162.6177	0.0001	41.7424	49.3744
0.8764	0.0191	115.5169	-167.9155	0.0001	41.8201	49.3892
0.8641	0.0195	120.4836	-174.5377	0.0002	42.2912	49.4729
0.8483	0.02	120.0421	-183.5882	0.0003	42.902	49.5862

0.2152	0.0034	-3.1042	-6.7795	0.0022	23.2645	21.8095
0.6	0.0077	19.9909	-59.5865	-0.0005	19.1351	21.9476
0.572	0.0092	21.812	-36.9053	-0.0004	21.2369	23.3808
0.5579	0.0104	21.4809	-38.8919	-0.0003	22.5777	26.5819
0.5686	0.0101	22.5295	-38.9471	-0.0001	23.0488	28.5913
0.5836	0.0104	24.6817	-38.4505	0	22.6554	29.6157
0.5947	0.0111	27.441	-38.1193	0.0005	22.8521	30.5908
0.6065	0.0113	37.0432	-37.6779	0.0005	23.1109	31.4675
0.6212	0.0115	37.2088	-37.6779	0.0005	23.4423	32.2062
0.6417	0.0113	37.4847	-37.8434	0.0005	23.8771	32.876
0.6676	0.0104	37.1536	-39.223	0.0004	24.3379	33.5802
0.697	0.0091	38.3125	-39.8853	0.0003	24.9435	34.053
0.7265	0.0087	39.1403	-40.8786	0.0001	25.6631	34.3731

0.7548	0.0085	38.478	-41.5408	0.0001	26.2999	34.777
0.7814	0.0083	37.5951	-42.5342	-0.0003	26.8486	35.2252
0.805	0.0083	37.5951	-42.7549	-0.0003	27.3508	35.4911
0.8262	0.0082	37.3743	-43.4723	-0.0002	27.739	35.7669
0.8459	0.0082	37.2088	-43.969	-0.0003	28.2205	39.2931
0.8641	0.0083	37.5951	-43.5827	-0.0003	28.3499	39.4852
0.88	0.0085	37.3191	-43.5827	-0.0003	28.6036	39.8644
0.8936	0.0086	37.3743	-43.7483	-0.0003	28.7951	40.0713
0.9056	0.0087	37.4295	-43.969	-0.0004	28.9142	40.4259
0.9159	0.0088	37.4847	-44.2449	-0.0002	29.0281	40.7312
0.9252	0.0089	38.1469	-44.3553	-0.0002	29.1057	40.8987
0.9327	0.0092	37.7054	-44.576	-0.0003	29.2144	41.0759
0.9392	0.0093	38.0366	-45.0175	-0.0002	29.2973	41.337
0.9448	0.0092	37.7054	-45.2934	-0.0003	29.3594	42.2235
0.9489	0.0094	38.3677	-44.852	-0.0003	29.3853	41.14
0.947	0.0151	37.7055	-40.3819	0.0063	29.6804	37.6088
0.9293	0.0175	28.8758	-41.3753	0.0047	29.8719	38.5593
0.9523	0.0103	30.8073	-46.2868	-0.0002	29.5147	38.9829
0.9569	0.0097	37.4847	-45.459	-0.0004	29.3387	38.6529
0.9599	0.0099	37.7606	-45.7349	-0.0004	29.261	38.5593
0.9625	0.0101	37.2088	-45.6246	-0.0002	29.3646	38.7268
0.9646	0.0102	36.988	-45.7901	-0.0003	29.5458	39.0026
0.9663	0.0101	36.4914	-46.342	-0.0002	29.582	38.9632
0.9677	0.0104	35.9947	-46.5627	-0.0003	29.7477	39.2439
0.9689	0.0103	36.3258	-46.066	-0.0003	29.8719	39.3769
0.9696	0.0104	36.2154	-46.949	-0.0004	30.0583	39.4852
0.97	0.0104	36.3258	-46.3972	-0.0004	30.1566	39.5591
0.9703	0.0104	35.8291	-46.7283	-0.0003	30.3171	39.7019
0.9705	0.0103	35.8291	-47.3353	-0.0005	30.4931	39.6133
0.9706	0.0104	35.8843	-47.4457	-0.0004	30.6329	39.7462
0.9706	0.0107	36.1051	-47.9423	-0.0004	30.7727	39.7758
0.9709	0.0106	36.1603	-48.2735	-0.0005	30.8814	39.7905
0.9705	0.0107	35.2221	-48.3838	-0.0005	31.1506	39.9087
0.9707	0.0108	35.3325	-48.7701	-0.0002	31.4508	40.0762
0.9708	0.0108	34.8358	-48.7149	-0.0002	31.5699	40.1353
0.9709	0.0106	34.0632	-49.7635	-0.0006	31.8805	40.2239
0.9711	0.0108	34.008	-49.9842	-0.0004	32.0617	40.3963
0.9714	0.0105	34.0632	-50.3705	-0.0003	32.4241	40.6179

0.9715	0.0105	33.7321	-50.5361	-0.0005	32.6519	40.7903
0.9716	0.0106	33.4562	-51.4742	-0.0003	32.9625	40.8199
0.9719	0.0105	33.2354	-51.7501	-0.0003	33.2265	40.9725
0.9718	0.0106	33.5114	-52.5227	-0.0004	33.4595	41.0218
0.9716	0.0108	33.7321	-52.1364	-0.0004	33.8684	41.1547
0.9718	0.0108	33.0147	-52.6331	-0.0005	34.1169	41.14
0.9724	0.0106	33.1802	-52.5227	-0.0003	34.5518	41.2631
0.9724	0.0108	33.401	-52.4124	-0.0004	35.0384	41.5783
0.9723	0.0109	32.7388	-52.8538	-0.0003	35.5147	41.8098
0.9724	0.0109	33.0699	-53.185	-0.0005	35.9392	42.0954
0.9725	0.0109	32.6836	-53.185	-0.0002	36.4154	42.317
0.9723	0.011	33.0699	-52.8539	-0.0005	36.9745	42.5337
0.9721	0.0111	33.3458	-53.2953	-0.0004	37.4405	42.7209
0.9717	0.0115	33.1251	-53.4057	-0.0002	37.8753	42.9228
0.9715	0.0115	33.1802	-53.6264	-0.0001	38.3568	43.1543
0.9715	0.0113	33.5665	-53.6816	-0.0003	38.8796	43.435
0.9709	0.0113	33.7873	-54.1231	-0.0002	39.33	43.7157
0.9704	0.0114	33.5665	-53.8472	-0.0002	39.8115	43.9225
0.9702	0.0112	33.8977	-54.0127	-0.0002	40.324	44.2722
0.9696	0.0114	33.401	-55.5028	-0.0002	40.8313	44.6317
0.969	0.0112	33.5114	-55.8891	-0.0002	41.3179	45.0405
0.9682	0.0112	34.3943	-58.9794	-0.0002	41.846	45.4
0.9672	0.0111	34.3943	-60.635	-0.0002	42.3326	45.927
0.9665	0.0112	35.498	-62.6769	-0.0002	42.8399	46.3407
0.9652	0.0114	37.0984	-64.6084	-0.0002	43.1712	46.6707
0.9648	0.0113	38.8092	-66.595	-0.0003	43.4094	46.9514
0.9633	0.0114	40.5751	-69.6302	-0.0002	43.7303	47.3454
0.9627	0.0113	42.6721	-72.7206	-0.0003	43.9426	47.5227
0.9612	0.0113	44.8796	-77.0251	-0.0002	44.129	47.7787
0.9588	0.0116	47.9148	-80.3914	-0.0002	44.2014	47.9314
0.9569	0.0117	50.5637	-85.0821	-0.0002	44.3257	48.0201
0.2131	0.0002	-1.7135	-4.4452	-0.0005	22.6682	21.4992
0.5651	0.0126	18.1146	-87.5103	-0.0005	18.4984	23.1739
0.5681	0.0088	20.598	-37.0708	-0.0004	19.8909	25.9171
0.5483	0.0102	19.108	-40.3268	-0.0004	21.123	28.9213
0.5566	0.01	19.715	-41.7064	-0.0003	21.5	30.448

0.5714	0.0105	21.6465	-41.3753	-0.0001	21.9	31.5068
0.5823	0.0109	23.0813	-41.1545	0.0003	22.3	32.4081
0.5933	0.0115	24.7369	-41.4857	0.0003	22.7	33.1961
0.6074	0.0118	27.5513	-41.2649	0.0006	23.1	33.8757
0.6274	0.011	35.0565	-40.2716	0.0003	23.5	34.4963
0.6519	0.0101	37.4847	-40.4923	0.0001	23.9	35.0971
0.6804	0.0092	38.8643	-41.0994	0.0001	24.3	33.2256
0.71	0.0086	39.8577	-41.7064	-0.0001	24.7	35.9639
0.7388	0.0083	39.9681	-42.6445	-0.0001	25.1	36.4958
0.766	0.0084	36.7673	-42.4238	-0.0002	25.5	36.8356
0.7906	0.0083	37.0432	-42.8653	-0.0003	25.9	37.1951
0.813	0.0081	36.4362	-43.6379	-0.0002	26.3	37.5891
0.8323	0.0081	36.2706	-43.969	-0.0003	26.7	37.9437
0.8496	0.0069	36.2154	-44.2449	-0.0004	27.1	38.2786
0.8653	0.0071	35.8291	-44.4657	-0.0005	27.5	38.5839
0.879	0.0072	35.4428	-44.4105	-0.0004	27.8943	39.0223
0.8908	0.0073	35.2773	-44.3001	-0.0004	27.9461	39.3424
0.901	0.0072	35.1669	-44.7416	-0.0004	28.06	39.5148
0.9097	0.0073	34.9462	-44.852	-0.0004	28.0962	39.761
0.9171	0.0073	34.7806	-45.0175	-0.0005	28.1221	39.9777
0.9239	0.0077	34.5047	-45.2934	-0.0005	28.1791	40.1107
0.9297	0.0076	34.5047	-45.459	-0.0006	28.2257	40.2929
0.9345	0.0077	34.891	-45.5694	-0.0005	28.2567	40.3126
0.9384	0.008	34.2288	-45.9557	-0.0004	28.2464	40.3963
0.9421	0.0077	33.9528	-45.6797	-0.0005	28.3188	40.5244
0.9452	0.0081	34.3391	-45.6797	-0.0005	28.2826	40.4406
0.9477	0.0082	34.1184	-46.0109	-0.0005	28.412	40.5342
0.9499	0.0083	33.6769	-45.8453	-0.0005	28.4431	40.5982
0.9517	0.0082	33.7873	-46.1212	-0.0005	28.5673	40.8691
0.9529	0.0085	33.3458	-45.7349	-0.0005	28.6605	40.9331
0.9545	0.0084	33.1802	-46.066	-0.0004	28.7641	41.0957
0.9557	0.0084	33.0699	-46.0109	-0.0005	28.8987	41.2582
0.957	0.0086	32.518	-46.2316	-0.0005	29.0126	41.3911
0.9581	0.0085	32.3525	-46.949	-0.0005	29.0436	41.4305
0.9592	0.0086	31.9662	-47.1146	-0.0005	29.1109	41.5389
0.96	0.0085	32.0213	-47.6664	-0.0004	29.23	41.6078
0.9609	0.0088	32.2421	-47.6112	-0.0005	29.3232	41.6423
0.9615	0.009	32.4076	-47.7768	-0.0005	29.437	41.6866

0.962	0.009	32.0213	-48.439	-0.0005	29.5354	41.731
0.9621	0.0093	32.1317	-48.3838	-0.0004	29.7735	41.992
0.9623	0.0094	31.6902	-48.9357	-0.0006	30.0272	42.1742
0.9626	0.0093	31.6902	-49.2116	-0.0004	30.2239	42.2382
0.9626	0.0093	31.635	-49.5427	-0.0004	30.4155	42.4648
0.9623	0.0094	31.8558	-50.0394	-0.0006	30.576	42.5436
0.962	0.0094	31.7454	-50.2601	-0.0005	30.8348	42.6913
0.9618	0.0094	32.1869	-50.4257	-0.0005	31.0729	42.8686
0.9612	0.0093	32.0765	-51.1431	-0.0005	31.2852	42.844
0.9604	0.0094	32.2973	-51.419	-0.0004	31.4974	42.9425
0.9598	0.0094	32.2973	-51.5846	-0.0005	31.8495	43.0952
0.9589	0.0096	32.4628	-52.1364	-0.0005	32.098	43.1986
0.9583	0.0096	32.4076	-52.1364	-0.0005	32.45	43.2774
0.9575	0.0097	32.0214	-52.302	-0.0005	32.7813	43.4005
0.9562	0.0099	32.3525	-52.6331	-0.0005	33.0971	43.5926
0.9549	0.0099	32.4628	-52.6883	-0.0004	33.5992	43.9866
0.9531	0.0101	32.4628	-53.2402	-0.0005	33.9979	44.3165
0.9517	0.0097	33.1251	-53.4609	-0.0006	34.1169	44.5037
0.9497	0.0097	32.7939	-53.6816	-0.0006	34.4068	44.8928
0.947	0.0099	32.4628	-53.7368	-0.0005	34.8934	44.9863
0.9437	0.0099	32.518	-53.8472	-0.0005	35.3335	45.2227
0.9399	0.01	32.7388	-54.5094	-0.0005	35.8098	45.5034
0.936	0.0105	32.6284	-54.7302	-0.0005	36.3844	45.6315
0.9323	0.0105	32.9043	-55.0061	-0.0005	36.7623	45.6758
0.9281	0.0108	32.5732	-55.0613	-0.0004	37.2696	46.0797
0.9235	0.0112	32.518	-55.3372	-0.0004	37.7045	46.4392
0.919	0.0108	32.4076	-55.8339	-0.0004	38.6933	46.8775
0.9136	0.0108	32.518	-57.1583	-0.0005	39.506	47.4537
0.9072	0.0109	32.6284	-58.6483	-0.0005	39.9823	47.7443
0.9002	0.0107	32.9595	-59.9728	-0.0004	40.4689	48.1875
0.8918	0.0107	33.3458	-61.3524	-0.0005	40.8054	48.6652
0.883	0.0107	34.0632	-63.2839	-0.0004	41.1833	48.946
0.8725	0.0108	34.891	-64.498	-0.0005	41.4836	49.2661
0.8609	0.0108	36.5466	-66.9813	-0.0004	41.8201	49.5616
0.848	0.011	37.9262	-69.1336	-0.0006	42.0945	49.8275
0.8338	0.0111	39.1403	-71.0099	-0.0004	42.3533	50.2117
0.8172	0.0113	41.2925	-73.438	-0.0005	41.7942	51.3001
0.8011	0.0117	43.4447	-77.0803	-0.0005	43.3058	54.9839

0.7827	0.0117	45.9833	-80.4466	-0.0005	43.5491	55.3385
0.7582	0.0121	48.0251	-129.7824	-0.0005	43.4922	54.7623
0.3394	0.0004	1.0182	-1.2168	-0.0003	23.4323	22.3724
0.6658	0.0089	21.6465	-35.3601	-0.0004	18.5346	22.312
0.6184	0.0104	22.1983	-35.636	-0.0003	20.5536	24.2426
0.6163	0.0108	22.4191	-35.9671	-0.0003	22.3396	27.0794
0.6273	0.0108	24.4058	-36.2982	-0.0002	22.4069	28.8129
0.641	0.0112	26.8891	-36.2982	0	22.205	30.1279
0.6547	0.0119	33.7321	-36.2982	0.0003	22.3033	31.0587
0.6699	0.012	35.8291	-36.9604	0.0004	22.381	31.8417
0.6896	0.0111	36.1603	-37.1812	0.0004	25.2749	32.4475
0.7125	0.0104	36.9328	-38.0642	0.0002	31.7615	32.9991
0.7367	0.0102	37.5951	-39.2782	0.0001	32.393	33.3635
0.7614	0.01	38.0366	-39.6093	-0.0003	30.5811	33.6443
0.7858	0.0096	38.0917	-40.106	-0.0002	23.8616	33.8905
0.8087	0.0093	37.4847	-40.4371	-0.0002	24.6381	34.2156
0.8303	0.009	37.3743	-41.1545	-0.0002	25.3732	34.5455
0.8505	0.009	37.7054	-41.3753	-0.0002	26.0307	34.9641
0.8688	0.0088	37.5951	-41.4856	-0.0002	26.6157	35.3089
0.8844	0.0087	37.8158	-42.5342	-0.0004	27.1437	35.6635
0.898	0.0086	37.8158	-42.8101	-0.0003	27.5837	36.0378
0.9096	0.0087	37.6503	-43.2516	-0.0005	28.0031	36.2249
0.9194	0.0087	38.0366	-43.4171	-0.0004	28.3188	36.545
0.9281	0.0088	37.8158	-43.6379	-0.0003	28.6553	36.7125
0.9354	0.0087	37.5951	-44.1346	-0.0003	28.9556	36.9735
0.9416	0.0087	37.7054	-44.3001	-0.0003	29.1834	37.136
0.9463	0.009	37.4847	-44.3553	-0.0004	29.5095	37.3626
0.9504	0.009	37.4847	-44.3553	-0.0003	29.8201	37.5399
0.9543	0.0088	37.2088	-44.576	-0.0004	30.1411	37.7418
0.9574	0.0092	36.6569	-44.7416	-0.0004	30.5708	38.0028
0.9604	0.0092	36.5466	-45.1279	-0.0004	30.9125	38.318
0.9631	0.0093	36.2706	-45.1279	-0.0003	31.3525	38.712
0.9652	0.0095	35.8291	-45.7349	-0.0004	31.7356	39.0469
0.967	0.0094	35.8843	-45.7901	-0.0003	32.0307	39.2537
0.9682	0.0094	35.3325	-46.1764	-0.0004	32.4241	39.3473
0.9695	0.0096	35.0565	-46.8938	-0.0004	32.7917	39.6182
0.9704	0.0096	35.0014	-47.0042	-0.0004	33.1592	39.9186

0.9709	0.0094	34.891	-47.2801	-0.0003	33.5578	40.1451
0.9714	0.0095	34.891	-47.7216	-0.0003	33.9979	40.352
0.9714	0.0096	35.498	-48.3838	-0.0004	34.3913	40.549
0.9711	0.0097	35.0014	-49.6531	-0.0004	34.7951	40.746
0.9713	0.0097	35.4428	-50.0394	-0.0005	35.2041	40.9775
0.9714	0.0097	35.5532	-50.2601	-0.0003	35.6907	41.2877
0.9711	0.0098	35.3877	-51.0327	-0.0003	36.1255	41.5684
0.971	0.0099	36.2154	-51.6398	-0.0003	36.5604	41.7802
0.9705	0.01	36.8225	-52.4124	-0.0004	36.9953	42.0659
0.9699	0.0101	37.4295	-53.792	-0.0003	37.3939	42.3811
0.9695	0.0102	38.0366	-55.4476	-0.0004	37.7563	42.6667
0.969	0.0101	38.9747	-56.5513	-0.0004	38.0462	43.0114
0.9683	0.0102	39.6921	-58.1516	-0.0005	38.3412	43.3562
0.9675	0.0103	40.2992	-59.6968	-0.0004	38.5431	43.499
0.967	0.0103	41.4581	-61.0213	-0.0004	38.7295	43.6517
0.9663	0.0103	42.5066	-62.8424	-0.0003	38.8071	43.8142
0.9655	0.0103	43.8862	-64.2772	-0.0003	38.8589	43.8979
0.964	0.0105	45.1003	-65.8776	-0.0003	39.009	44.026
0.9635	0.0107	46.7007	-67.7539	-0.0002	39.1126	44.0851
0.963	0.0108	47.6388	-69.9062	-0.0004	39.1488	44.1885
0.9622	0.011	48.577	-71.6169	-0.0003	39.2834	44.3018
0.9614	0.011	49.6255	-72.7206	-0.0003	39.3973	44.4397
0.9612	0.0111	50.6188	-73.9899	-0.0005	39.4698	44.415
0.9606	0.0114	52.0537	-75.4799	-0.0004	39.5837	44.5431
0.9602	0.0115	52.7159	-77.4666	-0.0004	39.5992	44.4446
0.9599	0.0116	53.93	-78.3495	-0.0003	39.6096	44.4889
0.9596	0.0117	55.0337	-80.3362	-0.0004	39.6096	44.4446
0.9593	0.0118	55.8063	-81.3847	-0.0003	39.6406	44.5776
0.9591	0.0121	56.9652	-82.7644	-0.0004	39.6147	44.5628
0.9588	0.0121	57.9033	-84.144	-0.0003	39.6717	44.5874
0.9583	0.0121	58.9518	-84.9166	-0.0003	39.7079	44.5529
0.9574	0.0124	59.5589	-86.1859	-0.0003	39.7286	44.4594
0.9576	0.0127	60.1659	-87.5655	-0.0003	39.7027	44.3658
0.958	0.0133	61.0489	-87.7862	-0.0003	39.7338	44.2821
0.9583	0.0133	61.6007	-89.3314	-0.0005	39.8115	44.3067
0.9577	0.0138	62.2078	-89.497	-0.0003	39.9409	44.3116
0.9574	0.0143	63.0908	-90.4903	-0.0002	40.0962	44.3904
0.9563	0.0149	63.8082	-91.4285	-0.0003	40.3602	44.3904

0.9554	0.0149	63.8633	-92.5322	-0.0004	40.4275	44.3806
0.9558	0.0146	64.6911	-93.2496	-0.0003	40.4482	44.3756
0.9554	0.0137	65.7948	-95.0707	-0.0002	40.5	44.42
0.9549	0.014	66.733	-96.2296	-0.0003	40.4845	44.3855
0.9539	0.0143	68.2782	-97.6644	-0.0001	40.443	44.3412
0.9539	0.0143	69.713	-99.0441	-0.0004	40.4689	44.3215
0.9544	0.0148	70.4856	-100.81	-0.0003	40.5362	44.3215
0.9539	0.0151	71.6997	-102.6311	-0.0003	40.5932	44.3116
0.9531	0.0154	72.7482	-104.0107	-0.0002	40.6812	44.2624
0.9524	0.0156	72.8034	-104.4522	-0.0002	40.7071	44.2722
0.9521	0.0158	73.7415	-106.0526	-0.0004	40.8624	44.2624
0.9516	0.016	74.0726	-107.2667	-0.0002	40.9866	44.3313
0.9501	0.0162	75.673	-109.75	-0.0002	41.2299	44.5874
0.949	0.0165	75.8938	-112.9508	0	41.5198	44.681
0.9477	0.0167	76.8871	-115.7652	0	42.0686	45.0405
0.9462	0.0167	75.8386	-112.8956	0	42.6121	45.3852
0.9429	0.0171	75.3419	-113.7234	0.0001	43.1402	45.7054
0.9405	0.0174	75.066	-114.2753	0.0004	43.7044	46.0255

0.2749	0.0041	-0.0745	-2.2102	0.0012	19.8307	23.4761
0.6258	0.0115	20.5428	-35.3049	-0.0002	17.96	23.7403
0.5703	0.0083	22.0328	-35.9671	-0.0002	19.9634	25.3556
0.5636	0.0089	22.0328	-36.6845	-0.0002	21.6097	27.823
0.5766	0.009	23.6332	-36.6293	-0.0001	22.1946	29.3497
0.5928	0.0093	24.6265	-37.2916	0	22.0911	30.5317
0.6071	0.0098	26.3372	-37.3467	0.0003	22.3033	31.4773
0.6218	0.0099	34.891	-36.9604	0.0005	22.5518	32.3983
0.6388	0.0098	35.8843	-37.6779	0.0002	22.8262	33.137
0.6596	0.0095	34.0632	-37.5123	0.0003	23.1109	33.7575
0.6847	0.0084	34.5047	-37.8434	0.0002	23.551	34.4273
0.711	0.008	35.0565	-39.223	0.0001	24.0894	34.8853
0.7376	0.0078	34.6151	-40.0508	0.0001	24.7624	35.1759
0.7638	0.0075	35.2773	-40.7682	0.0001	25.4664	35.5059
0.7882	0.0074	35.2773	-41.3753	-0.0001	26.0669	35.8063
0.8105	0.0072	35.498	-42.0375	-0.0001	26.714	36.1166
0.8311	0.0071	35.9395	-42.2031	-0.0001	27.1799	36.3924
0.8497	0.007	35.9947	-42.7549	-0.0002	27.62	36.7568
0.8662	0.007	36.0499	-42.6997	-0.0002	27.9461	37.0868

0.8806	0.0069	36.2706	-43.2516	-0.0001	28.3189	37.4364
0.8923	0.0069	36.5466	-43.362	-0.0002	28.5622	37.6876
0.9029	0.0069	35.8843	-43.5275	-0.0002	28.6864	37.8698
0.9123	0.007	35.6636	-43.9138	-0.0003	28.8521	38.1112
0.9203	0.0072	35.3325	-43.8586	-0.0002	29.0384	38.3623
0.9276	0.0074	35.5532	-44.1897	-0.0005	29.1627	38.5889
0.9339	0.0073	34.6702	-44.5209	-0.0002	29.2921	38.8006
0.9385	0.0074	34.6151	-44.6312	-0.0003	29.4008	39.0321
0.9428	0.0076	34.0632	-44.7416	-0.0003	29.6441	39.0961
0.9466	0.0075	33.6769	-44.7968	-0.0003	29.8253	39.239
0.9498	0.0079	33.6217	-45.1831	-0.0003	29.9754	39.4261
0.9525	0.0079	33.2354	-45.2383	-0.0003	30.11	39.5837
0.9549	0.008	33.1802	-45.7349	-0.0003	30.3171	39.7413
0.9571	0.0079	33.1802	-45.6797	-0.0002	30.5294	39.8841
0.9586	0.0081	33.0699	-45.6246	-0.0002	30.664	39.8989
0.961	0.0082	32.7939	-46.0109	-0.0003	30.8866	39.9925
0.963	0.0082	32.2973	-45.9005	-0.0003	31.1609	40.0959
0.9645	0.0082	32.2973	-45.9005	-0.0002	31.4819	40.2486
0.9665	0.0081	31.911	-46.1212	-0.0003	31.7822	40.4554
0.9673	0.0083	31.7454	-46.1764	-0.0004	32.0255	40.5096
0.9676	0.0083	31.8006	-46.2316	-0.0003	32.305	40.6623
0.9681	0.0083	31.5799	-46.5627	-0.0002	32.6156	40.6524
0.9691	0.0083	31.2488	-46.5075	-0.0002	32.9418	40.8396
0.9698	0.0082	31.1936	-47.3353	-0.0003	33.33	40.9972
0.9703	0.0082	31.3591	-47.3353	-0.0003	33.7183	41.1547
0.9705	0.0086	31.4143	-48.5494	-0.0002	34.1428	41.4355
0.9709	0.0084	31.3591	-48.8253	-0.0002	34.4897	41.4552
0.9704	0.0086	31.6902	-48.8805	-0.0001	34.9504	41.3961
0.9703	0.0085	31.5799	-49.0461	-0.0003	35.3387	41.4502
0.9706	0.0086	31.635	-49.322	-0.0002	35.7425	41.6916
0.9703	0.0089	32.2421	-49.7635	-0.0002	36.3016	41.923
0.9702	0.0088	32.4076	-50.1498	-0.0002	36.7726	42.1348
0.9701	0.0089	32.4628	-50.8672	-0.0002	37.2437	42.3515
0.9687	0.009	33.0699	-51.3087	-0.0002	37.7511	42.6027
0.9685	0.0091	33.6769	-51.8053	-0.0001	38.217	42.8686
0.9658	0.0091	33.4562	-52.2468	-0.0003	38.626	43.0804
0.9656	0.0098	33.6217	-52.8539	-0.0001	38.9883	43.302
0.9657	0.0102	34.1184	-53.5161	0.0001	39.4128	43.6418

0.9659	0.0103	34.3943	-54.3439	0.0002	39.8166	43.9521
0.9653	0.0103	35.0014	-55.3372	0.0001	40.1738	44.1491
0.9626	0.0103	35.6084	-55.1716	0.0001	40.4741	44.4889
0.9625	0.0106	36.1603	-56.5513	0	40.6863	44.7647
0.9618	0.0108	36.7673	-57.2135	0.0002	40.909	44.9863
0.9616	0.0106	37.264	-57.5446	0.0001	41.0539	45.2375
0.9606	0.0102	38.2021	-58.9242	0	41.2817	45.4788
0.9602	0.0106	38.6436	-59.6417	0.0002	41.4163	45.6561
0.9607	0.0103	39.6921	-61.0213	0.0002	41.5302	45.8925
0.959	0.0108	40.0232	-62.2354	0.0001	41.5457	45.9959
0.958	0.0106	41.2373	-63.4495	0.0002	41.5923	46.1437
0.9556	0.0111	41.7892	-64.6635	0.0002	41.5405	46.0403
0.9557	0.0118	42.3962	-64.9947	0.0002	41.5302	45.9861
0.9542	0.0121	43.0584	-65.5465	0.0002	41.5871	46.0304
0.9543	0.0127	43.3895	-66.2087	0.0002	41.5871	46.1289
0.9534	0.0123	44.6036	-67.1469	0.0003	41.6337	46.1043
0.9539	0.0124	45.0451	-67.9195	0.0002	41.6078	46.0993
0.9514	0.013	45.6522	-68.7473	0.0001	41.5923	46.0649
0.9501	0.0138	45.8177	-69.3543	0.0002	41.6492	46.0698
0.9476	0.0142	46.3144	-70.3476	0.0002	41.6078	45.9516
0.9457	0.0146	47.0318	-70.2924	0.0003	41.6751	45.8777
0.9457	0.0145	47.7492	-72.1688	0.0002	41.6492	45.8088
0.9449	0.0149	48.0803	-71.6721	0.0002	41.6855	45.863
0.9427	0.0151	48.6874	-72.5551	0.0002	41.7062	45.8334
0.9417	0.0158	49.6807	-73.3828	0.0002	41.7787	45.6906
0.938	0.0161	50.674	-74.2658	0.0003	41.7942	45.5625
0.9378	0.0162	51.8329	-75.9765	0.0003	41.7321	45.4936
0.935	0.0165	53.5437	-77.908	0.0003	41.7528	45.4887
0.9309	0.0168	54.9785	-79.9499	0.0003	41.8718	45.5478
0.9268	0.0169	55.6959	-81.7158	0.0004	41.8874	45.6118
0.9256	0.0167	54.537	-81.2192	0.0003	42.0737	45.7349
0.9235	0.0168	53.3229	-82.8747	0.0004	42.286	45.8925
0.9195	0.0172	50.7844	-81.0536	0.0005	42.6328	46.1338
0.9136	0.0171	51.3363	-82.5436	0.0004	42.9797	46.2668
0.9077	0.0177	52.6055	-84.6407	0.0007	43.5077	46.5919
0.8996	0.018	52.2192	-86.1859	0.0007	43.8339	46.6854
0.8889	0.0182	50.95	-85.6892	0.0007	44.217	46.9661

0.3289	0.001	-0.4718	-2.4585	-0.0001	18.3212	21.0471
0.626	0.0061	19.1631	-35.8567	-0.0006	18.9539	21.79
0.5557	0.0086	19.6046	-35.6912	-0.0004	21.6459	24.2574
0.54	0.0094	19.4943	-36.8501	-0.0004	22.9919	27.5472
0.5453	0.0095	20.4876	-36.8501	-0.0003	23.0126	29.3842
0.5548	0.0098	23.0261	-36.3534	-0.0001	22.7641	30.3987
0.5634	0.0103	24.6817	-36.3534	0.0001	22.9712	31.2212
0.5736	0.0108	25.8406	-36.243	0.0001	23.3025	32.0535
0.5894	0.0102	32.4076	-36.1878	0.0001	23.5354	32.7381
0.6093	0.0094	31.911	-36.9604	0	23.9392	33.3192
0.6322	0.0091	32.4628	-37.5123	0	24.431	33.8216
0.657	0.0091	32.5732	-37.5123	-0.0001	25.0316	34.1909
0.6824	0.0088	32.5732	-38.8367	-0.0002	25.6735	34.4667
0.7068	0.0086	32.5732	-39.8301	-0.0003	26.3102	34.6736
0.729	0.0086	33.0147	-41.0993	-0.0002	26.8797	34.8755
0.7493	0.0082	34.1184	-41.3753	-0.0002	27.3508	34.841
0.7673	0.008	34.5047	-41.9271	-0.0003	27.7339	34.9494
0.783	0.008	34.8358	-41.7616	-0.0005	28.1118	35.2793
0.7965	0.0082	35.0565	-42.1479	-0.0004	28.4586	35.6093
0.8081	0.0082	34.7806	-42.479	-0.0004	28.7692	35.9343
0.8182	0.0084	35.0565	-42.4238	-0.0003	28.9763	36.1757
0.827	0.0085	35.3877	-42.6997	-0.0005	29.2041	36.4613
0.8346	0.0084	35.3877	-43.1412	-0.0004	29.3749	36.6534
0.8408	0.0084	35.3325	-43.0308	-0.0005	29.5302	36.7667
0.8459	0.0084	35.3325	-42.9757	-0.0005	29.6493	36.9735
0.8499	0.0084	35.2221	-43.2516	-0.0005	29.7735	37.1015
0.8528	0.0085	35.0565	-43.3068	-0.0003	29.9703	37.2394
0.8543	0.0084	34.7254	-43.6931	-0.0004	30.1049	37.5891
0.8565	0.0086	34.9462	-43.9138	-0.0005	30.198	37.6334
0.857	0.0087	34.8358	-43.6379	-0.0004	30.3585	37.4955
0.8573	0.0088	34.7254	-44.0242	-0.0005	30.5811	37.7713
0.857	0.0087	34.6151	-44.2449	-0.0004	30.84	38.0127
0.8559	0.0089	34.008	-44.3001	-0.0004	31.1558	38.2589

0.854	0.009	34.3391	-44.3553	-0.0005	31.4301	38.5298
0.8533	0.009	33.7873	-44.5209	-0.0006	31.7459	38.7957
0.8509	0.0084	33.7321	-44.7968	-0.0004	32.0824	38.9484
0.8481	0.0082	33.5114	-45.1279	-0.0005	32.4137	39.1405
0.846	0.0082	33.1251	-45.2934	-0.0005	32.714	39.4606
0.8431	0.0083	32.8491	-45.459	-0.0004	33.0971	39.7117
0.8395	0.0083	32.8491	-45.2934	-0.0004	33.4957	39.9137
0.836	0.0084	32.7388	-45.2383	-0.0004	33.8529	40.2042
0.8315	0.0083	32.518	-45.6246	-0.0003	34.2308	40.3471
0.8265	0.0084	32.1317	-45.5142	-0.0004	34.6035	40.4948
0.8212	0.0086	31.8006	-45.9557	-0.0004	35.0436	40.7263
0.8154	0.0087	31.8006	-45.9557	-0.0006	35.437	40.9134
0.8076	0.0087	31.6902	-45.9557	-0.0004	35.8926	41.0562
0.801	0.0087	31.6902	-46.4523	-0.0004	36.374	41.2729
0.793	0.0088	31.635	-46.7835	-0.0005	36.8141	41.4256
0.7846	0.0088	31.4143	-47.4457	-0.0004	37.2852	41.5438
0.775	0.0087	31.9662	-46.949	-0.0004	37.6475	41.6374
0.7656	0.0088	31.7454	-47.2801	-0.0005	38.0876	41.6522
0.7558	0.0088	31.8006	-48.3286	-0.0004	38.4551	41.8738
0.7456	0.009	32.5732	-48.8253	-0.0004	38.8279	41.923
0.7348	0.0088	32.4076	-48.9909	-0.0005	39.154	42.0757
0.7244	0.009	32.7939	-49.6531	-0.0004	39.387	42.1841
0.7141	0.0093	32.8491	-50.205	-0.0004	39.6665	42.1988
0.7034	0.0093	32.8491	-50.3153	-0.0003	39.9254	42.3663
0.6937	0.0094	33.2354	-50.2601	-0.0004	40.2153	42.5239
0.6835	0.0094	33.7321	-51.1431	-0.0004	40.4379	42.7258
0.6715	0.0096	34.1184	-51.1983	-0.0004	40.6812	42.9425
0.6613	0.0098	33.6769	-51.419	-0.0004	40.8209	43.0607
0.6519	0.0094	34.891	-52.8539	-0.0005	40.94	43.0755
0.6408	0.0097	35.3325	-54.0127	-0.0005	40.9762	43.1838
0.6315	0.0096	35.6084	-54.8405	-0.0004	40.9866	43.1099
0.6223	0.0098	35.9395	-55.3372	-0.0004	41.028	43.5926
0.6126	0.01	36.5466	-55.7235	-0.0003	41.028	43.7009
0.6042	0.0101	36.6017	-56.8824	-0.0004	41.0746	43.8437
0.5959	0.0103	37.0432	-57.3791	-0.0005	41.0177	43.6911
0.5868	0.0104	36.7673	-57.7654	-0.0006	41.1109	43.8733
0.5787	0.0107	37.5399	-58.5379	-0.0004	41.1212	43.8437
0.5694	0.0109	37.5951	-58.7587	-0.0004	41.2713	43.9472

0.5599	0.0112	37.5951	-58.9794	-0.0004	41.3904	43.9127
0.5495	0.0112	37.6503	-59.2554	-0.0003	41.4681	43.9422
0.5391	0.0117	37.8158	-59.2002	-0.0004	41.5405	44.0407
0.5275	0.0119	39.0299	-59.8072	-0.0004	41.6337	43.9521
0.5144	0.0119	39.8577	-60.9109	-0.0003	41.6027	43.8142
0.502	0.0123	38.5332	-59.3105	-0.0004	41.6699	43.5926
0.4911	0.0122	39.4714	-61.5731	-0.0004	41.6026	43.3316
0.4774	0.0126	40.1888	-61.7387	-0.0003	41.5923	43.6517
0.4627	0.0128	40.5751	-62.5665	-0.0004	41.7476	44.4889
0.4557	0.013	41.5684	-64.3324	-0.0003	42.5086	47.5719
0.4486	0.0131	42.341	-64.8291	-0.0002	42.5345	47.6359
0.4403	0.0132	42.341	-62.3457	-0.0004	42.6898	47.5325
0.4283	0.0133	42.341	-62.3457	-0.0002	42.7933	47.6064
0.4148	0.0136	42.341	-62.3457	-0.0003	42.9124	47.7443
0.3981	0.0138	42.341	-61.0213	-0.0004	42.8503	47.7394
0.3787	0.0142	43.7207	-69.5199	-0.0003	42.9072	47.6655
0.3573	0.0145	45.7625	-71.8928	-0.0002	42.8192	47.8969
0.3332	0.0147	45.3762	-73.7691	-0.0003	42.9435	47.8969
0.3002	0.0149	44.3277	-75.5902	-0.0002	43.2075	48.4141
0.2592	0.0147	44.0518	-76.8043	-0.0002	43.368	48.6652
0.2041	0.015	41.734	-161.7347	-0.0002	43.4094	48.2909

## Comments

DOKPARHK0228.LT10; manuf. 9/94;28  
March 2005 pm;pass leak test;exhaust  
flow = 0.986 target = -  
21ml/min;terminated empty.



DOKPARLJ0013.It10; 18 Feb 2005, am;  
passed leak test; exhaust flow = .994  
target = - 10 ml/min; avg. inhaled CO2 in  
error from low sample flow except for  
last 5 min; terminated empty; JPS



DOKP-ARLJ0204.LT10; 25-July 2005  
am; passed leak test; exhaust flow =  
.983 target = -24 ml/min; terminated  
empty; wet bulb not working; jps



DOKPARLN0099.lt10; pass noise test;  
11 August 2004; pass leak test; loose  
and outwardly dented back plate;  
exhaust flow=.972 target =-40 ml/min;  
terminated empty.





DOKPARLN0102.It10; 14 Dec 2004;  
passed leak test; exhaust flow=.945  
target =-78 ml/min; terminated  
empty;JPS



DOKPARLN0255.LT10; 30 Dec 2004,  
am; pass leak test; test run with cork off  
water stabilizer: effectively VO2 of 0; test  
went to 111 minutes; terminated  
empty;BP=740 mm Hg





DOKPARLN0361.It10; 12 August 2004;  
pass leak test; computer froze; restarted  
and ran another 33 min; computer froze  
again while out of lab; after stopped for  
17 min, could not get bed to restart.

DOKPARLN0363.It10; 01 Dec 2004;  
passed leak test; exhaust flow=.915  
target = -119 ml/min; JPS ; Terminated  
empty





DOKP-ARLN0955.LT10; 22-July 2005  
am; passed leak test; exhaust flow =  
1.35 target = 3 ml/min; terminated  
empty; jps; edited out 19 minutes of low-  
CO2-flow avg inh CO2 values.



DOKPARME0061.LT10; 3 Jan 2005,  
pm; pass leak test; exhaust flow=1.046  
target =+64 ml/min; terminated empty;  
BP=739 mm Hg





DOKPARME0062.LT10; 29 Dec 2004,  
pm; pass leak test; exhaust flow = 1.048  
target = +68 ml/min; terminated empty;  
BP=740 mm Hg



DOKPARME0063.LT10; 27 July 2004;  
pass leak test; low gas sample flow rate  
entire test; can't use avg inh CO<sub>2</sub>;  
exhaust flow=.966 target.



DOKPARME0064.LT10; 26 July 2004;  
pass leak test.





DOKPARME0066.It10; 28 Dec 2004; fail  
leak test in 44 s; QLT = 15 ml/min; then  
pass Draeger leak test; exhaust flow  
=0.998 target = -3 ml/min; terminated  
empty; BP=744 mm Hg



DOKPARME0157.lt10; 16 November  
2004; pass leak test; adjusted DB clay  
seal at minute 17 and 28; also removed  
mouthpiece to check DB positioning;  
exhaust flow=.939 target = -86 ml/min;  
terminated empty.



DOKPARME0158.It10; 02 Dec 2004;  
passed leak test; exhaust flow=.945  
target = -78 ml/min; Edited WB from min  
4-20; terminated empty.





DOKPARME0159.It10; 19 November  
2004; pass leak test; terminated empty  
at 1s shy of 92 min.



DOKPARME0335.LT10; 2 November  
2004; pass leak test; exhaust flow=.907  
target = -134 ml/min.





DOKPARME0338.It10; 9 November  
2004; pass leak test; exhaust flow=.965  
target = -55 ml/min; found DB seal  
leaking at minute 80; DB and O2  
readings are both off; edited  
unexplained pressure drops at minute  
83-86; possibly due to WB seal leak;  
terminated empty.