

FIO2	FICO2	PEPRS	PIPRS	MICO2	TINT1	TINT2
FRAC	FRAC	CMH2O	CMH2O	FRAC	DEGC	DEGC
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0.2406	0.0043	3.0174	-0.2487	0.0024	22.1825	23.6179
0.7277	0.0074	28.9841	-35.3326	-0.0005	24.4026	26.5721
0.6666	0.012	29.2633	-42.4789	-0.0003	26.4686	28.5962
0.6489	0.0143	27.9233	-43.763	-0.0004	27.2544	30.5317
0.6384	0.0151	29.04	-44.2097	-0.0001	28.2536	32.2998
0.6346	0.015	29.4308	-44.3772	-0.0002	29.2944	33.9151
0.6362	0.0152	30.6032	-44.8796	-0.0005	30.2416	35.4517
0.6413	0.0152	31.6082	-45.1588	-0.0004	31.1263	36.7864
0.648	0.0153	32.334	-45.3263	-0.0002	31.9277	37.8649
0.6531	0.0155	32.7806	-46.4987	-0.0002	32.6407	38.909
0.656	0.0159	33.5622	-47.5037	-0.0001	33.338	39.8398
0.6566	0.016	34.0647	-48.2853	0	33.9781	40.7411
0.6547	0.0164	35.0697	-48.6761	-0.0001	34.6911	41.6325
0.6519	0.0168	35.293	-49.2902	0.0003	35.3832	42.3811
0.6499	0.0172	35.6838	-50.1277	0.0008	36.0285	43.1247
0.6495	0.0183	36.8004	-50.1277	0.0014	36.4813	43.9718
0.6522	0.019	37.4145	-50.9093	0.0022	36.9548	44.7155
0.6569	0.0202	37.917	-51.0768	0.003	37.3816	45.4
0.6637	0.0213	38.587	-52.0818	0.0042	37.7355	46.0009
0.672	0.0224	39.0895	-52.4168	0.0054	38.1154	46.5721
0.6822	0.0236	40.2061	-52.9751	0.0065	38.36	47.0351
0.6946	0.0243	40.7085	-53.7009	0.0071	38.6358	47.5227
0.7077	0.0247	41.9926	-53.9242	0.0078	38.8491	47.9363
0.7211	0.025	44.2817	-54.1475	0.008	39.0209	48.2318
0.7368	0.024	45.6775	-54.5383	0.0079	39.2759	48.5815
0.7517	0.0239	45.9008	-55.7666	0.0079	39.4788	49.01
0.7667	0.0236	46.5149	-56.7157	0.0077	39.7182	49.3547
0.7806	0.0237	47.6315	-58.1115	0.0076	40.0565	49.6995
0.7944	0.0232	48.804	-59.5631	0.0075	40.3011	50.0491
0.8075	0.0229	50.1997	-61.6288	0.0073	40.5509	50.389
0.8203	0.0225	51.7071	-63.3595	0.0072	40.7851	50.7435
0.8313	0.022	53.8287	-66.486	0.007	40.9724	51.0784
0.8423	0.0216	55.9503	-69.4451	0.0068	41.191	51.4035
0.8519	0.0217	58.9651	-72.5716	0.0068	41.3419	51.7285
0.86	0.0217	61.7008	-76.4797	0.0069	41.5605	52.0683

0.8674	0.0216	65.1623	-80.8903	0.007	41.7582	52.4229
0.8733	0.0216	68.6238	-85.6359	0.0072	41.9976	52.8613
0.878	0.0216	73.1461	-91.5539	0.0072	42.2058	53.0829
0.8813	0.0219	77.9475	-98.1419	0.0074	42.3983	53.4966
0.8838	0.0221	84.3122	-104.5624	0.0078	42.6481	53.9694
0.886	0.0225	90.3977	-112.6579	0.0079	42.8979	54.4471
0.8872	0.0229	98.4373	-121.9257	0.008	43.0384	54.9642
0.8874	0.0233	108.3751	-134.2085	0.0081	43.3247	55.4222
0.8859	0.0238	120.7695	-148.8919	0.0084	43.2882	55.9541
0.882	0.0247	135.7321	-168.4884	0.0088	42.6273	56.2644
0.8791	0.0253	157.0593	-195.9012	0.0089	41.4772	55.9787
0.8758	0.0257	182.6297	-228.9529	0.0092	40.8163	55.7128
0.8714	0.0265	209.0375	-264.5727	0.0094	40.9412	55.8655
0.8651	0.028	237.6227	-302.5933	0.0098	41.2378	56.156
0.856	0.0304	271.4561	-348.3185	0.0104	41.6073	57.1607
0.8432	0.0335	310.0349	-401.7482	0.0116	42.034	57.4365
0.831	0.0359	347.1064	-434.7999	0.012	41.9924	57.5842
0.8194	0.0372	381.4421	-467.4608	0.0119	42.518	57.4414
0.797	0.0398	424.8783	-510.1712	0.0117	42.721	57.0474
0.7728	0.0409	461.4473	-530.6609	0.0113	42.7938	57.1361
0.7523	0.0376	469.7102	-512.516	0.0081	43.6681	58.1358
0.7182	0.0353	442.9674	-528.7068	0.006	44.8547	58.7958
0.6748	0.0355	439.3384	-530.6609	0.0048	45.0472	59.3178
0.6255	0.0359	454.5243	-530.7168	0.0046	45.3907	59.7463
0.5625	0.037	452.6819	-530.6609	0.0046	45.9007	59.766
0.4871	0.0388	461.224	-530.7168	0.0051	46.1401	59.3769
0.4264	0.0427	492.6565	-530.6609	0.0057	47.1757	59.111

0.4458	0.0067	9.8589	5.8855	0.0048	21.3822	23.6445
0.7234	0.0075	32.3525	-37.3467	-0.0006	21.1437	26.2027
0.6898	0.0123	24.7921	-41.2649	-0.0005	24.3586	27.7196
0.6719	0.0137	23.7987	-42.5342	-0.0005	25.3111	29.138
0.6639	0.0138	23.9091	-43.086	-0.0005	26.6208	30.5514
0.6627	0.0138	24.3506	-43.9138	-0.0004	27.299	31.6103
0.6645	0.014	25.951	-44.1897	-0.0004	27.6044	32.6002
0.6673	0.0144	26.9443	-44.576	-0.0005	27.9616	33.4522
0.6717	0.0144	28.048	-44.4105	-0.0004	28.2981	34.1417
0.6751	0.0145	29.3173	-44.6312	-0.0005	28.7641	34.7573

0.6766	0.0146	30.0347	-44.9623	-0.0003	29.0798	35.3286
0.6757	0.0151	30.2554	-45.2934	-0.0002	29.5561	35.8309
0.6737	0.0156	30.3658	-45.5694	-0.0001	29.9392	36.3086
0.6727	0.0157	30.6417	-45.7349	0.0001	30.4155	36.8307
0.6724	0.0165	31.0832	-45.8453	0.0003	30.7054	37.2985
0.6753	0.0166	31.911	-46.1764	0.0005	30.9901	37.7566
0.6807	0.017	32.2973	-46.4523	0.0008	31.2179	38.2343
0.6881	0.0175	32.2421	-46.7283	0.001	31.3421	38.5544
0.6986	0.0176	33.9528	-47.1698	0.001	31.368	38.8696
0.7119	0.0177	37.871	-47.1698	0.001	31.3525	39.1306
0.7282	0.0169	54.2611	-46.8938	0.0008	31.2438	39.4015
0.7462	0.0152	36.2154	-49.2116	0.0008	31.1558	39.7462
0.7632	0.0147	36.2154	-49.7083	0.0006	31.1402	39.9235
0.7794	0.0144	37.4847	-51.1983	0.0005	31.1713	40.2042
0.7952	0.0142	37.8158	-52.6331	0.0005	31.1661	40.3815
0.8101	0.014	38.9195	-53.7368	0.0002	31.1609	40.6524
0.8244	0.0138	39.6369	-54.5094	0.0001	31.2697	40.879
0.8376	0.0137	40.9062	-55.8891	0.0002	31.4819	41.1695
0.8496	0.0137	41.7892	-58.3724	0.0001	31.5803	41.4158
0.8605	0.0133	43.224	-60.028	-0.0001	31.7511	41.7507
0.8703	0.0131	44.9899	-62.1802	-0.0001	32.0048	42.1151
0.8786	0.0129	46.7007	-64.1669	-0.0001	32.2118	42.4648
0.8855	0.0128	48.3562	-66.871	-0.0002	32.3723	42.8489
0.8907	0.0129	50.5637	-70.2924	-0.0003	32.6829	43.1937
0.8952	0.0127	52.3848	-73.6588	-0.0002	32.8797	43.696
0.8984	0.0129	54.8129	-76.1421	-0.0003	33.1281	44.0407
0.9013	0.0127	57.1859	-79.0117	-0.0003	33.3818	44.5086
0.9028	0.0127	58.5655	-81.8814	-0.0002	33.6199	44.9272
0.9041	0.0132	60.9385	-84.2544	-0.0003	33.9409	45.1833
0.9048	0.0134	62.2078	-86.3514	-0.0003	34.2774	45.6019
0.9055	0.0132	63.8082	-88.5036	-0.0002	34.6191	46.06
0.9051	0.0135	66.1811	-90.987	-0.0003	34.9763	46.4933
0.9048	0.0133	68.4989	-93.8566	-0.0002	35.3335	46.8578
0.9037	0.0136	70.8719	-97.2781	-0.0002	35.67	47.237
0.9021	0.0138	72.7482	-99.927	-0.0003	36.0427	47.5867
0.9004	0.0138	75.4523	-103.5141	-0.0003	36.4154	47.8674
0.8975	0.0139	78.8186	-107.7082	-0.0002	36.783	48.2565
0.8933	0.0144	83.3438	-113.3371	-0.0002	37.399	48.6357

0.888	0.0149	88.0898	-120.3456	-0.0002	37.8857	48.9213
0.8827	0.0147	94.7672	-129.2305	-0.0002	38.4189	49.2808
0.876	0.0154	101.2239	-139.2742	-0.0002	38.9469	49.6108
0.8686	0.0163	112.4817	-152.3532	-0.0002	39.4853	49.9014
0.8596	0.0173	126.1125	-171.7785	0.0001	40.2308	50.1723
0.8486	0.0183	145.8137	-197.5501	0.0001	41.028	50.4825
0.8357	0.0197	171.6405	-230.0543	0.0001	41.6026	50.6795
0.8201	0.0206	199.0677	-269.2911	0.0002	41.965	50.7583
0.8009	0.0222	230.6889	-317.0265	0.0001	42.4672	51.0095
0.7776	0.0246	266.3939	-373.3708	0.0002	43.1764	51.2804
0.7521	0.026	300.7744	-424.5278	0.0004	43.72	51.827
0.7274	0.0265	337.3072	-435.8408	0.0003	43.9736	52.5116
0.6923	0.0306	425.1624	-506.147	0.0004	44.5431	53.3045
0.6562	0.0344	484.5419	-525.4067	0.0005	44.7605	53.5655
0.6129	0.0388	524.3858	-525.5171	0.0007	44.6415	52.9548
0.5637	0.0426	544.7493	-525.2412	0.0009	44.8951	52.5362
0.5063	0.0429	556.0071	-525.2412	0.0008	45.7545	52.9696

0.3332	0.0068	2.3592	-1.8128	0.0046	23.0223	24.0656
0.7302	0.0063	38.6436	-61.2972	-0.0004	24.6329	26.6509
0.6966	0.0093	37.1536	-63.2839	-0.0003	26.714	28.5125
0.6828	0.0104	37.2088	-65.6569	-0.0003	28.1842	29.9555
0.6752	0.0107	37.6503	-67.3124	-0.0004	29.3025	31.1227
0.6722	0.0108	38.6988	-68.1402	-0.0003	30.1618	32.0338
0.6709	0.0111	39.8025	-69.0784	-0.0004	30.8089	32.7529
0.6706	0.0114	41.0718	-69.575	-0.0004	31.3577	33.3291
0.6702	0.0119	42.8929	-68.6921	-0.0003	31.8961	33.9053
0.6693	0.0122	45.3762	-68.9128	-0.0003	32.4552	34.4322
0.6682	0.0126	48.7977	-70.1269	-0.0002	32.9211	34.9149
0.6652	0.0134	51.4466	-70.7891	-0.0002	33.3042	35.3286
0.6607	0.0135	51.6122	-71.0099	-0.0001	33.7545	35.7964
0.656	0.0139	52.6607	-72.2239	0.0001	34.236	36.2101
0.6532	0.0144	55.0889	-73.2173	0.0002	34.5932	36.6041
0.6504	0.0154	60.6074	-73.4932	0.0006	34.9452	36.8898
0.651	0.0157	76.2801	-73.9347	0.0009	35.2558	37.2444
0.6563	0.0143	47.7492	-75.3695	0.0011	35.5561	37.4758
0.6616	0.0143	46.7559	-75.7006	0.0014	35.8305	37.8107

0.6708	0.0141	46.6455	-76.7491	0.0014	36.022	38.0324
0.683	0.0134	47.3077	-77.7425	0.0012	36.2239	38.2244
0.6978	0.013	47.7492	-78.4047	0.0011	36.4362	38.4313
0.7144	0.0127	48.3011	-78.4599	0.001	36.6381	38.6233
0.7315	0.0123	49.0737	-79.7843	0.001	36.7002	38.7563
0.7486	0.0119	49.8462	-81.4399	0.0009	36.8658	38.8844
0.7642	0.0117	51.1155	-82.9299	0.0007	37.0211	39.0518
0.7799	0.0116	52.1089	-84.5855	0.0006	37.2386	39.2784
0.7942	0.0111	53.3781	-85.9099	0.0006	37.4715	39.4951
0.8058	0.0111	53.9852	-88.1725	0.0005	37.6889	39.7167
0.8174	0.0107	55.3648	-90.6559	0.0003	37.8701	39.8546
0.8276	0.0105	56.4685	-92.6425	0.0002	38.1134	40.1747
0.8366	0.0106	57.9033	-95.0155	0.0004	38.6156	40.6032
0.8444	0.0105	59.4485	-98.6578	0.0003	39.0505	41.1547
0.8519	0.0102	61.38	-100.5341	0.0002	39.5992	41.6522
0.8575	0.0101	63.1459	-104.4522	0.0001	40.1272	42.1988
0.8617	0.0098	64.6911	-107.2115	0	40.5932	42.6568
0.8657	0.0098	67.1745	-110.3571	0	41.1678	43.1789
0.8684	0.0101	69.3267	-114.1097	-0.0001	41.6751	43.6812
0.8703	0.0101	71.3686	-117.6967	-0.0002	42.1462	44.0998
0.8708	0.0104	73.1897	-121.6701	-0.0001	42.5759	44.4594
0.8707	0.011	76.3353	-124.8708	0	42.9642	44.8977
0.8705	0.0111	78.7082	-128.2372	-0.0001	43.2903	45.2276
0.8695	0.011	81.026	-131.6035	-0.0001	43.6579	45.597
0.8674	0.0115	84.0612	-135.6872	0	43.3731	45.6118
0.866	0.0116	86.4894	-140.4883	0.0001	36.7623	45.7891
0.863	0.0121	89.5798	-145.0135	0.0001	34.1221	46.1388
0.8587	0.0123	92.1735	-149.0421	0.0002	34.4741	46.4687
0.8544	0.0124	96.6435	-154.7262	0.0001	34.8986	46.8282
0.8502	0.0127	100.5617	-161.1277	0.0002	35.2972	47.2715
0.8436	0.013	105.8595	-169.1296	0.0002	35.7114	47.6359
0.8361	0.0137	112.5921	-178.3455	0.0003	36.1773	48.1777
0.8287	0.0145	121.4218	-189.3275	0.0003	36.6329	48.7096
0.818	0.015	132.5692	-204.5034	0.0005	37.2179	49.1429
0.8059	0.0158	145.8689	-225.3083	0.0007	37.7407	49.6157
0.7913	0.0173	165.4597	-252.7355	0.001	38.3671	50.2166
0.7726	0.0194	192.0039	-289.3235	0.0016	38.9832	51.0046
0.7526	0.0206	224.6737	-334.0788	0.002	39.6044	51.6547

0.7295	0.0223	259.3302	-384.1872	0.0026	40.1221	52.1127
0.705	0.0242	297.4081	-435.1786	0.0031	40.588	52.7726
0.6791	0.0255	330.9056	-474.5809	0.0035	41.0021	52.9007
0.6513	0.0268	367.8248	-505.3745	0.0032	41.3542	53.2257
0.6149	0.0295	398.3975	-525.0756	0.0037	41.0228	53.5458
0.5765	0.033	455.1281	-524.7997	0.0043	41.1989	53.8019
0.5348	0.0354	489.619	-524.9101	0.0039	41.4215	53.8758
0.4925	0.0367	526.5932	-524.579	0.0036	41.4681	54.1762
0.435	0.0414	560.8633	-524.4686	0.0042	42.2963	54.127
0.3681	0.0445	585.145	-524.6893	0.0042	42.9176	54.3289

0.3524	0.0008	1.3658	-1.5148	0.0004	20.5576	21.0427
0.5959	0.0073	39.361	-60.6902	0.0001	21.3197	21.4256
0.6223	0.0099	46.9766	-69.4647	-0.0002	24.7624	28.8277
0.6051	0.0116	49.0737	-71.1754	-0.0002	25.3318	29.8127
0.6024	0.0116	50.1222	-72.7206	-0.0001	26.3361	30.6351
0.6084	0.0118	51.8329	-73.1069	0	26.7244	31.1966
0.6156	0.0121	51.0603	-73.1069	-0.0001	26.7813	31.6497
0.6234	0.0124	51.3363	-73.6036	0	26.8642	31.9944
0.6312	0.0129	53.4885	-74.2106	0	26.9936	32.2456
0.6374	0.0132	53.4333	-75.0936	0.0001	27.1851	32.5312
0.6429	0.0137	54.0955	-74.8177	0	27.4388	32.7479
0.6479	0.0138	55.3096	-75.4799	0.0001	27.708	33.004
0.6525	0.0138	56.91	-76.3629	0.0001	27.9099	33.2158
0.6586	0.0141	56.3581	-77.6873	0.0002	28.0911	33.5408
0.6659	0.0138	56.7444	-78.4047	0.0002	28.4017	33.8511
0.6746	0.0138	57.5722	-79.0117	0.0003	28.6968	34.2648
0.6861	0.0137	57.2411	-80.281	0.0003	28.9608	34.5406
0.6996	0.0137	58.0689	-80.5017	0.0003	29.261	34.8213
0.7157	0.0134	58.0689	-81.8814	0.0002	29.3956	35.0971
0.7343	0.0133	58.6759	-82.3781	0.0002	29.5768	35.3975
0.754	0.013	60.0555	-83.5921	0.0003	29.6338	35.5945
0.774	0.0129	60.8833	-85.3029	0.0003	29.7218	35.8605
0.7935	0.0124	61.9319	-87.2896	0.0002	29.7735	36.0378
0.8108	0.0126	63.5322	-88.2277	0.0002	29.8926	36.2249
0.8287	0.0122	64.5808	-90.1592	0.0002	29.9651	36.4219
0.8449	0.012	66.1811	-91.9251	0.0002	30.0686	36.5697
0.8597	0.0121	67.9471	-93.7463	0.0001	30.1618	36.6879

0.8718	0.0122	70.1545	-96.6711	0.0002	30.255	36.8652
0.8835	0.0118	72.5275	-99.927	0.0002	30.3482	37.003
0.8933	0.0119	75.2315	-103.6796	0.0001	30.4931	37.1606
0.9017	0.0119	78.5427	-107.8737	0.0001	30.5708	37.2936
0.9074	0.0119	81.4123	-111.6815	0.0001	30.695	37.3182
0.914	0.0122	84.3923	-115.8204	0.0002	30.8503	37.5054
0.9186	0.0123	87.6483	-119.573	0.0001	31.0678	37.7024
0.9235	0.0123	90.7387	-123.7671	0.0001	31.3007	37.8846
0.9268	0.0122	94.3257	-128.2923	0.0001	31.5544	38.0865
0.9304	0.0125	97.4713	-133.259	0	31.7925	38.3574
0.9336	0.0127	101.3343	-137.5083	0.0001	32.0151	38.5642
0.9348	0.013	104.2591	-142.9165	0.0001	32.2377	38.7268
0.9357	0.0132	108.2324	-148.1591	0.0001	32.4707	38.9238
0.9373	0.0132	112.1506	-152.9603	0.0001	32.8124	39.2193
0.9379	0.0134	114.6891	-158.4236	0	33.2213	39.5886
0.9386	0.0136	119.6006	-164.4388	0.0001	33.5682	39.9826
0.9377	0.0139	124.2914	-171.7233	0	33.9772	40.3274
0.9378	0.0139	130.0859	-179.8355	0.0001	34.4275	40.6869
0.9386	0.014	137.2048	-189.2723	0.0001	34.7951	41.0267
0.937	0.0145	146.3104	-200.4749	0.0001	35.2351	41.3764
0.9362	0.015	155.9678	-215.1542	0.0002	35.6855	41.726
0.9347	0.0158	169.0468	-233.6413	0.0004	36.2343	42.0412
0.93	0.0171	185.6024	-261.3445	0.0003	36.871	42.3614
0.926	0.0178	208.9459	-298.1531	0.0005	37.3732	42.7061
0.92	0.0195	235.5452	-349.9723	0.0007	37.7563	42.8144
0.9119	0.0216	269.2635	-413.5458	0.001	38.041	42.7455
0.8886	0.0268	300.4985	-513.2659	0.0017	38.305	42.7209
0.8615	0.0337	350.7173	-524.4686	0.0028	38.6933	42.583
0.8413	0.0389	415.5601	-524.6341	0.004	38.8382	42.3023
0.8276	0.0446	456.8389	-524.4134	0.005	38.8434	42.0068
0.8127	0.0506	503.912	-524.4686	0.0064	38.8537	41.7408
0.8046	0.0525	491.8264	-524.4686	0.0071	39.0763	41.8196
0.798	0.0528	487.7427	-524.4686	0.0069	39.4801	42.0314
0.7848	0.0563	545.4666	-524.4686	0.0074	39.5423	42.1496
0.7598	0.0672	636.7434	-524.6342	0.0103	39.6303	42.1003
0.7374	0.0765	685.5273	-524.4686	0.0132	39.7131	42.3712
0.7194	0.0811	695.0745	-524.4134	0.0142	40.3499	43.0213
0.7046	0.0798	685.9687	-524.579	0.0131	41.2817	44.1048

0.6888	0.0745	638.3989	-524.303	0.0109	42.4827	45.3655
0.6519	0.0754	619.3599	-524.4134	0.0112	43.5802	46.6756
0.294	0.0039	-37.9207	-47.5064	0.002	86.2099	23.0284
0.7046	0.0092	44.3277	-76.0869	0.0001	95.7888	24.0407
0.6599	0.0147	49.5151	-77.0803	0.0004	95.7888	25.7546
0.6339	0.0171	51.557	-78.7358	0.0008	95.7888	27.1188
0.6114	0.0186	49.2392	-80.0603	0.0016	95.7888	28.4879
0.5867	0.0196	49.9014	-81.6607	0.0026	95.7888	29.596
0.5528	0.0219	51.3363	-81.4951	0.0038	95.7888	30.6548
0.5448	0.0225	51.8329	-84.4199	0.0048	95.7888	31.6497
0.5384	0.0241	52.164	-85.7444	0.0066	95.7888	32.482
0.5343	0.0252	52.7711	-86.4066	0.0079	95.7888	33.1665
0.5316	0.0269	53.3781	-87.4551	0.0098	95.7888	33.8413
0.5278	0.0289	53.1574	-88.3933	0.0117	95.7888	34.4963
0.5211	0.0311	52.9918	-88.7244	0.0138	95.7888	35.107
0.5119	0.0336	53.3781	-88.8899	0.0159	95.7888	35.629
0.503	0.0356	53.4885	-90.104	0.0182	95.7888	36.2151
0.4967	0.0367	54.3163	-91.594	0.0203	95.7888	36.747
0.4928	0.0388	53.9852	-91.7596	0.0222	95.7888	37.2493
0.4948	0.0412	54.6474	-91.1525	0.0244	95.7888	37.6433
0.501	0.0431	54.8681	-91.7596	0.0266	95.7888	37.9979
0.5099	0.0455	55.8063	-92.0907	0.0287	95.7888	38.1604
0.5204	0.0483	55.5855	-92.0355	0.0303	95.7888	38.3672
0.5339	0.0502	56.2478	-92.0355	0.032	95.7888	38.5298
0.5494	0.0527	57.4067	-90.7111	0.0347	95.7888	38.8056
0.565	0.0552	58.1792	-88.8348	0.0371	95.7888	38.9976
0.5805	0.0572	59.3933	-89.1659	0.0386	95.7888	39.1602
0.5954	0.0594	60.4418	-89.6625	0.0401	95.7888	39.4261
0.6102	0.0613	59.7796	-90.38	0.0424	95.7888	39.6625
0.6241	0.063	60.1659	-90.6007	0.0446	95.7888	39.8546
0.6366	0.0644	61.2144	-91.7044	0.047	95.7888	40.0811
0.65	0.0648	61.2144	-92.0907	0.048	95.7888	40.219
0.6623	0.0653	61.5456	-92.2563	0.0487	95.7888	40.4259
0.6731	0.066	61.38	-93.0288	0.0498	95.7888	40.6032
0.683	0.0674	62.1526	-92.7529	0.0512	95.7888	40.7558
0.6922	0.0687	61.7663	-92.9737	0.0527	95.7888	40.9528
0.6996	0.0702	61.9319	-93.1944	0.0538	95.7888	41.1252

0.7061	0.0713	61.9319	-93.6359	0.0553	95.7888	41.3714
0.711	0.0726	62.0974	-94.4085	0.0565	95.7888	41.6177
0.7163	0.0735	62.4837	-94.6844	0.0577	95.7888	41.8886
0.7209	0.0744	62.7596	-95.7329	0.0587	95.7888	42.1053
0.7247	0.0753	63.3115	-96.947	0.0602	95.7888	42.3121
0.726	0.077	63.4771	-97.2229	0.0618	95.7888	42.4894
0.7269	0.0784	63.6978	-97.9404	0.0633	95.7888	42.6913
0.7275	0.0805	64.0841	-98.9889	0.0658	95.7888	42.9129
0.7258	0.0829	64.6359	-99.8167	0.0679	95.7888	43.1346
0.7236	0.085	64.7463	-99.8167	0.0701	95.7888	43.238
0.721	0.0875	64.36	-99.4304	0.0724	95.7888	43.4153
0.7187	0.0901	64.3048	-99.7063	0.0752	95.7888	43.6073
0.7161	0.0926	64.5808	-100.0374	0.0779	95.7888	43.8093
0.7126	0.0957	65.243	-100.6444	0.0811	95.7888	43.9669
0.7082	0.0986	65.5741	-102.0241	0.0842	95.7888	43.563
0.7032	0.1017	64.9671	-101.4722	0.0877	95.7888	43.6566
0.6972	0.1048	65.2982	-102.1896	0.0914	95.7888	43.7403

0.5144	0.0118	5.1902	-5.6869	0.0093	22.8732	23.906
0.7451	0.0096	87.7035	-143.082	-0.0004	21.8271	25.6462
0.6834	0.0191	100.5617	-148.3798	0	21.1437	26.1781
0.6582	0.02	99.6235	-149.6491	0	22.3551	27.2025
0.6395	0.0203	102.6587	-152.6291	0	24.0738	28.3057
0.6304	0.0205	105.3628	-155.7195	0.0002	25.6217	29.3103
0.6313	0.0206	108.3428	-157.044	0.0003	26.771	30.1919
0.6367	0.0206	111.4332	-159.6929	0.0002	27.4647	31.1227
0.6418	0.021	115.0754	-161.9003	0.0004	28.4793	32.0732
0.6434	0.0219	117.6691	-165.101	0.0006	29.5354	32.9843
0.6419	0.0227	120.4836	-169.2399	0.0008	30.4776	33.8068
0.6373	0.0235	122.8014	-173.1029	0.0013	31.2127	34.5406
0.629	0.0247	125.2295	-177.0763	0.0024	31.8236	35.2449
0.6173	0.0261	127.0507	-180.9944	0.0036	32.8848	35.9294
0.6026	0.0277	128.5407	-185.1885	0.005	33.6872	36.6238
0.5873	0.0296	129.8651	-188.7204	0.0067	34.2567	37.2394
0.5739	0.031	131.1896	-190.983	0.0087	34.8831	37.8058
0.5621	0.0331	133.2314	-193.4664	0.0104	35.3801	38.3377
0.5532	0.0348	134.6111	-195.453	0.012	35.5768	38.7021
0.5483	0.0359	135.6044	-196.6119	0.0134	35.7062	39.0321

0.5466	0.0371	137.0392	-197.3293	0.0145	36.0272	39.3325
0.5477	0.0385	137.8118	-198.1019	0.0159	36.343	39.6379
0.5518	0.0398	138.6948	-199.2056	0.0173	36.431	39.958
0.557	0.041	141.3989	-200.4749	0.0186	36.5086	40.1895
0.564	0.0423	144.2685	-202.903	0.0202	36.5759	40.3815
0.5718	0.0433	146.5311	-204.8897	0.0216	36.8762	40.613
0.58	0.0445	148.2971	-208.0905	0.0228	37.2437	40.8248
0.5868	0.0463	149.5112	-209.8564	0.0244	37.1402	40.9085
0.5932	0.0479	151.553	-214.9887	0.0267	37.1972	41.0365
0.5984	0.0499	154.3675	-218.9068	0.0291	37.4146	41.2729
0.6035	0.0518	156.2989	-221.2798	0.0314	37.5958	41.4896
0.606	0.054	159.9412	-224.922	0.0339	37.9012	41.7211
0.6082	0.056	161.6519	-228.785	0.0362	38.2118	41.923
0.6094	0.0584	163.4179	-231.3236	0.0386	38.2273	42.0609
0.6083	0.061	165.6253	-234.4691	0.0408	38.305	42.2136
0.6078	0.063	168.8812	-237.6147	0.0437	38.8071	42.5928
0.6043	0.0647	171.0335	-244.5681	0.0453	39.1385	43.0016
0.6016	0.0658	174.5101	-249.7555	0.0464	40.1635	43.3513
0.5966	0.0674	177.435	-255.8811	0.0482	40.4223	43.6024
0.5915	0.0686	181.2428	-262.6689	0.0497	40.7795	43.9324
0.5843	0.0701	184.9402	-270.3397	0.0515	41.0177	44.1934
0.5765	0.0718	189.4102	-279.1693	0.0532	41.3024	44.4988
0.5673	0.0734	194.5976	-286.7849	0.0552	41.4991	44.7302
0.5566	0.0756	198.1847	-294.566	0.0574	41.6492	44.9272
0.5438	0.0779	202.6547	-304.0028	0.0598	42.1048	45.2769
0.5278	0.0808	207.4007	-314.2121	0.0628	42.5345	45.597
0.5102	0.0839	212.3674	-323.8143	0.066	42.783	45.9368
0.4905	0.0869	217.2789	-332.2577	0.0695	42.7467	46.3505
0.4649	0.091	221.3626	-339.8181	0.0737	43.6061	46.7642
0.4347	0.0955	224.6185	-349.9723	0.0784	43.8132	47.2715
0.3987	0.1005	228.5367	-358.1949	0.0835	44.6311	47.695
0.3565	0.1061	232.2341	-364.4308	0.0896	45.185	48.1727
0.4642	0.0017	3.8989	1.4155	0.0002	16.8582	22.5674
0.7441	0.0068	23.5228	-41.2649	-0.0003	24.079	25.7693
0.7157	0.012	24.3506	-43.5275	-0.0002	26.7296	27.3355
0.6999	0.013	24.1298	-45.1831	-0.0002	27.2887	28.6701
0.6918	0.0133	24.9024	-45.7901	-0.0002	28.148	29.9358

0.69	0.0132	25.7854	-45.9005	-0.0002	28.7641	30.8912
0.69	0.0135	26.1165	-46.6731	-0.0001	29.0954	31.7383
0.6914	0.0135	26.4476	-46.6731	-0.0002	29.3905	32.4426
0.6929	0.0137	27.1098	-47.7768	-0.0002	29.6389	33.0828
0.6938	0.0139	28.048	-47.9975	-0.0001	29.934	33.6837
0.6941	0.0141	28.3791	-48.439	0	30.255	34.1762
0.6935	0.0145	29.0413	-48.3286	0	30.576	34.7327
0.6927	0.0148	29.6484	-48.6598	0.0001	30.9642	35.1956
0.6917	0.0155	30.5313	-48.3286	0.0004	31.3473	35.5847
0.6913	0.0159	30.8625	-48.7149	0.0005	31.7097	36.0525
0.6916	0.0164	31.8006	-48.8805	0.0007	32.0772	36.4662
0.6931	0.017	32.0765	-48.9909	0.0012	32.3879	36.8011
0.6959	0.0177	33.0147	-49.4324	0.0018	32.5949	37.1902
0.7004	0.0184	33.8425	-49.6531	0.0022	32.7554	37.5251
0.7072	0.019	36.6017	-49.9842	0.0026	32.8382	37.8304
0.7152	0.0199	42.6721	-49.322	0.0032	32.9004	38.0816
0.7265	0.0188	41.0718	-49.5427	0.0034	32.89	38.3131
0.7375	0.0187	37.3191	-50.812	0.0036	32.9211	38.5002
0.749	0.019	37.264	-51.1983	0.0038	32.9884	38.6972
0.7605	0.0192	37.8158	-52.1916	0.0039	33.1385	38.8745
0.7725	0.0194	38.2573	-53.0194	0.004	33.2317	39.0617
0.7846	0.019	38.5332	-53.185	0.004	33.3766	39.2685
0.7959	0.019	38.9747	-54.2335	0.004	33.4957	39.5246
0.807	0.0189	39.8025	-55.1165	0.0041	33.6148	39.7659
0.8178	0.0187	40.1888	-56.1098	0.0042	33.5682	39.9629
0.8281	0.0188	41.0166	-56.8824	0.0042	33.6355	40.1402
0.8376	0.019	41.8444	-58.0965	0.0043	33.6717	40.3618
0.8465	0.0192	42.3962	-59.4209	0.0046	33.7545	40.5933
0.8547	0.0194	43.0584	-60.2487	0.0048	33.739	40.7805
0.8616	0.0198	43.7758	-60.9661	0.005	33.8167	40.9775
0.8679	0.0201	44.714	-62.0146	0.0051	33.9254	41.2237
0.8738	0.0199	45.6522	-63.3943	0.0054	34.0496	41.4059
0.8785	0.0204	46.204	-64.498	0.0056	34.2049	41.6522
0.882	0.0211	47.1422	-65.3258	0.0059	34.4068	41.9132
0.8853	0.0212	47.694	-66.4846	0.0061	34.6398	42.2087
0.8876	0.0214	48.1907	-67.8091	0.0064	34.8054	42.3663
0.8893	0.0215	49.2392	-68.4713	0.0066	35.0436	42.6913
0.8899	0.0221	50.0118	-70.0165	0.0067	35.2817	42.9917

0.8907	0.0223	50.8948	-71.8376	0.0067	35.4318	43.2823
0.8912	0.0225	51.8329	-72.7206	0.007	35.6544	43.5926
0.8911	0.0225	52.6607	-74.321	0.0072	35.8719	43.8437
0.8908	0.0227	53.9852	-74.8728	0.0073	36.0272	44.1836
0.8902	0.0226	54.9233	-77.4114	0.0074	36.2705	44.4988
0.8888	0.0229	55.8063	-78.6255	0.0075	36.5552	44.7401
0.8866	0.0237	56.8548	-79.7292	0.0075	36.8399	45.0454
0.8852	0.0235	57.9585	-81.3847	0.0076	37.1868	45.4099
0.8826	0.0236	58.7311	-82.5436	0.0077	37.5802	45.7546
0.8787	0.0241	59.9452	-84.4751	0.0076	37.9012	46.0649
0.8754	0.0243	61.5456	-86.4618	0.0078	38.2998	46.4441
0.8714	0.0246	62.9804	-88.7796	0.0081	38.6881	46.8726
0.8671	0.0248	65.7948	-91.594	0.0084	39.0919	47.2567
0.8616	0.0252	67.3952	-94.7396	0.0088	39.475	47.828
0.8549	0.0258	69.0508	-98.8785	0.0094	39.8684	48.3057
0.8478	0.0266	71.4238	-103.8452	0.0102	40.2256	48.6899
0.8401	0.0272	72.8586	-109.1982	0.0108	40.5466	49.0149
0.8299	0.0288	76.0593	-115.4893	0.0124	40.8934	49.4187
0.8178	0.0308	78.8186	-120.5664	0.0139	41.3283	50.3249
0.8051	0.0322	82.6264	-125.4779	0.0152	41.7942	50.7239
0.7903	0.0343	86.0479	-130.1686	0.017	42.2808	50.9701
0.7717	0.0368	88.4209	-135.7976	0.0192	42.7985	51.2016
0.7492	0.0388	92.7253	-141.6472	0.021	43.4042	51.4823
0.7227	0.0407	95.7605	-148.1591	0.0234	43.9995	51.6891
0.6909	0.0431	98.8509	-155.278	0.0262	44.6156	52.024
0.6487	0.0464	102.7139	-163.2799	0.0293	45.0349	52.2703

0.3206	0.0132	0.0248	-3.1042	0.0093	22.4771	23.8883
0.7057	0.0079	39.3058	-36.7949	-0.0001	19.601	25.9417
0.6716	0.0115	27.8824	-41.2097	-0.0001	23.2921	28.1136
0.6569	0.0129	24.5161	-43.3068	-0.0001	24.0169	30.0786
0.6491	0.0133	24.6817	-43.6379	0.0001	25.104	31.6841
0.6497	0.0134	25.4543	-43.6931	-0.0002	26.3724	33.0286
0.6557	0.0134	27.6065	-43.6931	0	27.2576	34.1466
0.6607	0.0137	32.4628	-43.7483	-0.0001	27.9668	35.2153
0.667	0.0141	35.9947	-43.5827	0	28.6139	36.1904
0.6707	0.0147	45.7073	-43.3068	-0.0001	29.2714	36.9587
0.6728	0.0153	59.1174	-43.6931	0	29.8408	37.6187

0.6719	0.0158	70.8719	-44.1346	0.0002	30.3223	38.2097
0.6716	0.0145	44.8796	-46.1764	0.0002	30.6743	38.7317
0.6721	0.015	35.0014	-47.0594	0.0004	31.0833	39.2143
0.6729	0.0152	35.8843	-47.1698	0.0007	31.456	39.761
0.6768	0.0153	35.774	-47.9975	0.0009	31.6838	40.2141
0.6821	0.0158	36.2706	-47.8872	0.0013	31.8598	40.6623
0.6907	0.0159	37.0984	-48.4942	0.0016	31.8961	41.0957
0.7025	0.0158	36.988	-48.5494	0.0018	31.8236	41.5143
0.7181	0.0158	37.4295	-49.322	0.0019	31.777	41.9969
0.7353	0.0155	37.871	-50.4809	0.0019	31.72	42.4795
0.755	0.015	38.3125	-51.7501	0.0018	31.6631	42.8686
0.7755	0.0145	39.4162	-52.4676	0.0017	31.6269	43.3217
0.7943	0.0141	40.2992	-54.0679	0.0016	31.5699	43.6172
0.8125	0.014	40.9062	-55.1716	0.0015	31.5181	43.9521
0.8302	0.0138	41.734	-56.3305	0.0014	31.4664	44.1983
0.846	0.0139	42.0651	-57.8205	0.0014	31.5026	44.548
0.8603	0.014	42.8377	-58.8139	0.0013	31.5389	44.9469
0.8744	0.0137	44.107	-60.3039	0.0013	31.6372	45.3409
0.8857	0.0135	45.1555	-62.0698	0.0012	31.7097	45.7004
0.8956	0.0134	46.3696	-64.1117	0.0012	31.7615	46.0698
0.904	0.0134	47.8596	-65.7672	0.0013	31.8391	46.3653
0.9117	0.013	49.5703	-68.4713	0.0012	31.9219	46.7396
0.917	0.0132	51.4466	-71.341	0.001	32.0928	47.1385
0.921	0.0131	53.1574	-74.3762	0.0011	32.186	47.5473
0.9257	0.0128	55.4752	-77.1906	0.0008	32.2533	47.956
0.9301	0.0125	57.0204	-79.5636	0.0008	32.5225	48.5224
0.9327	0.0129	58.8967	-83.2058	0.0007	32.8382	49.0051
0.9353	0.0127	60.8833	-85.7996	0.0007	33.2006	49.7093
0.9357	0.013	62.9804	-88.2829	0.0007	33.5785	50.3348
0.9372	0.0129	64.6359	-90.5455	0.0006	34.1583	51.1425
0.9383	0.0131	66.8434	-93.9118	0.0007	34.7485	51.8172
0.939	0.0131	69.106	-96.947	0.0006	35.3438	52.5461
0.9388	0.0131	70.8167	-100.3685	0.0005	35.9909	53.3193
0.9374	0.0133	73.576	-103.5141	0.0007	36.5915	53.9891
0.9367	0.0135	76.7215	-107.653	0.0006	37.2852	54.7918
0.9364	0.0139	79.5912	-111.0193	0.0006	38.0306	55.4961
0.9343	0.0141	82.8471	-116.5379	0.0006	38.8796	56.4072
0.9327	0.0143	86.9309	-122.222	0.0007	39.6613	57.3478

0.9308	0.0149	90.7387	-129.2857	0.0009	40.5155	58.2688
0.9269	0.0153	97.1402	-137.6739	0.0009	41.3956	59.308
0.9228	0.0159	104.0935	-148.1591	0.0009	42.2756	60.1895
0.92	0.0166	112.5369	-161.8451	0.0011	43.078	60.943
0.9166	0.0173	124.0706	-180.5529	0.0014	43.7096	61.012
0.9098	0.0184	137.7015	-204.2827	0.0017	44.0306	60.2732
0.9034	0.0195	153.7604	-234.1932	0.0023	44.7398	60.1994
0.8948	0.0211	174.5101	-273.8715	0.0029	45.2006	60.0221
0.8834	0.0234	197.1362	-319.5651	0.004	45.8943	60.288
0.8716	0.0261	221.6937	-357.9741	0.0055	46.2825	60.9233
0.8572	0.0289	246.1408	-400.0807	0.0069	47.1988	60.8495
0.84	0.0326	271.0295	-445.5534	0.0091	47.38	60.6672
0.8191	0.0363	294.3729	-485.1214	0.0117	46.676	60.2141
0.3241	0.0122	2.7068	-5.5379	0.009	22.6588	23.0683
0.7216	0.0071	26.6132	-42.3134	-0.0004	23.9806	26.1781
0.6865	0.0105	27.1098	-43.3068	-0.0002	26.6157	28.3007
0.6703	0.0122	27.7721	-44.1897	-0.0001	28.148	29.8816
0.6616	0.0125	28.2687	-44.7968	-0.0002	29.4888	31.103
0.6613	0.0127	28.4343	-44.9623	-0.0002	30.6588	32.088
0.6656	0.0129	29.0965	-45.2383	-0.0001	31.6579	33.0139
0.6712	0.0131	30.8073	-45.6246	-0.0003	32.2429	33.8856
0.6784	0.0135	31.2488	-46.8386	-0.0001	29.3025	34.6342
0.6847	0.0137	34.7254	-48.3286	-0.0001	29.5406	35.3286
0.69	0.0135	36.2154	-49.2116	-0.0001	30.0427	35.9934
0.6934	0.014	36.4362	-50.5361	0	30.5604	36.5647
0.6954	0.0143	37.264	-52.0261	0	30.9746	37.1065
0.6987	0.0142	37.8158	-53.792	0.0002	31.337	37.6531
0.703	0.0144	39.1403	-55.1165	0.0003	31.5492	38.0422
0.7096	0.0147	40.0784	-55.5028	0.0005	31.7149	38.3131
0.7187	0.0149	40.7406	-56.6065	0.0005	31.8029	38.6578
0.7282	0.0153	41.1269	-57.1031	0.001	31.7977	38.8745
0.7427	0.0153	41.8444	-57.4342	0.0011	31.7149	39.1503
0.7589	0.015	42.1755	-57.655	0.0012	31.3162	39.3325
0.7757	0.0149	43.1136	-58.1517	0.0012	31.0936	39.5049
0.7952	0.0142	44.0518	-58.7587	0.0012	30.7261	39.5886
0.8147	0.0138	44.8244	-60.3039	0.0009	30.4155	39.6576
0.8335	0.0134	45.8177	-60.8006	0.0009	30.167	39.7167
0.8501	0.0135	46.7007	-62.4009	0.0008	29.8978	39.6773

0.8644	0.0133	47.8596	-63.9461	0.0008	29.7011	39.697
0.8788	0.0133	48.7977	-65.0498	0.0008	29.4992	39.6674
0.8914	0.0133	49.5151	-65.7121	0.0007	29.4992	39.7955
0.9017	0.0133	50.2325	-66.4847	0.0007	29.5044	39.9383
0.9107	0.0135	51.2259	-68.361	0.0009	29.5354	40.0269
0.9183	0.0135	52.3848	-69.9062	0.0008	29.6027	40.1747
0.9241	0.0134	53.654	-71.6721	0.0009	29.7011	40.4751
0.9306	0.0129	55.0337	-73.4932	0.0008	29.8978	40.8396
0.9361	0.0129	56.3581	-75.811	0.0007	30.1049	41.3517
0.9398	0.0126	57.9585	-78.6255	0.0006	30.431	41.8245
0.9428	0.0126	59.7244	-81.3295	0.0005	30.7106	42.2924
0.9454	0.0125	61.38	-83.2058	0.0005	31.1195	42.8243
0.9471	0.0123	63.1459	-85.7996	0.0003	31.5544	43.2971
0.9496	0.0123	64.5808	-87.6207	0.0003	32.0151	43.8339
0.9514	0.0124	66.4019	-89.497	0.0003	32.5173	44.7056
0.9528	0.0123	67.7815	-91.594	0.0002	33.1178	45.4049
0.9539	0.0124	69.2163	-94.1877	0.0001	33.7131	46.055
0.9553	0.0125	70.8167	-96.0641	0.0003	34.2826	46.6559
0.9559	0.0125	72.4171	-98.2715	0.0001	34.8935	47.2567
0.9562	0.0126	74.5693	-101.0307	0.0001	35.5457	47.8526
0.9559	0.0129	76.6664	-103.9004	0.0002	36.0324	48.3796
0.9565	0.0131	79.3153	-107.046	0.0003	36.5449	48.6406
0.9561	0.0134	81.9642	-110.3019	0.0003	37.1299	48.9607
0.9552	0.0137	84.7786	-114.3856	0.0002	37.7925	49.4237
0.9539	0.0144	88.5864	-118.8005	0.0003	38.4189	49.7586
0.9528	0.015	92.8357	-124.0983	0.0006	39.418	50.65
0.9512	0.016	98.575	-131.2724	0.0006	40.3343	51.8517
0.9482	0.0164	105.8595	-140.5987	0.0009	40.9814	52.1324
0.9457	0.0174	114.4132	-152.9602	0.0011	41.5768	52.3983
0.9424	0.0181	125.6158	-167.9707	0.0015	42.0634	52.5067
0.939	0.0191	139.0811	-185.7404	0.002	42.5811	52.6938
0.9341	0.0203	155.3608	-206.3797	0.0028	43.078	52.7775
0.9304	0.0216	169.8194	-225.9154	0.0036	43.4818	52.9745
0.9221	0.0235	187.8651	-282.0389	0.0045	43.1505	51.8517
0.9085	0.0272	212.9192	-376.0198	0.0066	43.4197	51.5463
0.893	0.0313	232.6204	-458.0253	0.0089	42.8762	52.0092
0.8765	0.0355	254.9153	-513.2108	0.0117	43.7976	51.8467
0.2248	0.0204	-22.5736	-28.4343	0.0188	24.0333	23.8129

0.7549	0.0067	27.0547	-30.6693	-0.0004	19.8909	25.7644
0.7015	0.0116	24.5161	-40.7131	-0.0002	23.6338	26.6607
0.685	0.0136	24.6265	-42.0927	-0.0002	24.0324	27.3256
0.6742	0.0142	27.6617	-42.8653	-0.0001	24.607	28.0397
0.6711	0.0139	28.3791	-43.5827	-0.0002	25.5026	28.6504
0.6743	0.0138	29.3173	-43.6931	-0.0002	26.4811	29.2906
0.6802	0.0138	28.7102	-43.5275	-0.0001	27.1437	29.8324
0.6858	0.0143	30.5865	-44.1346	-0.0003	27.7753	30.3101
0.6903	0.0147	30.9176	-44.852	-0.0002	28.3396	30.7287
0.6937	0.0152	35.774	-45.0727	-0.0002	28.9038	31.1178
0.6944	0.0157	43.7207	-45.5694	0	29.3698	31.5413
0.6946	0.016	51.9985	-46.1764	0.0001	29.815	31.8762
0.6962	0.0153	35.5532	-48.2735	0.0002	30.2395	32.2554
0.6971	0.0157	36.0499	-48.5494	0.0003	30.5553	32.5263
0.7016	0.0161	36.381	-48.9357	0.0005	30.7882	32.7627
0.7077	0.0162	36.5466	-49.6531	0.0009	30.9642	33.0434
0.7148	0.0167	36.7673	-49.6531	0.0012	31.1195	33.4276
0.7237	0.0168	37.264	-50.6464	0.0016	31.0626	33.7625
0.7374	0.0167	37.7054	-51.2535	0.0016	30.8503	34.122
0.7541	0.016	38.2573	-52.1364	0.0016	30.7106	34.3584
0.7713	0.0156	38.8092	-53.0746	0.0015	30.576	34.6686
0.7912	0.0154	39.7473	-54.3439	0.0014	30.4931	34.8755
0.8094	0.015	40.5751	-55.0061	0.0014	30.4414	35.107
0.8263	0.0149	41.3477	-56.1098	0.0013	30.4103	35.3729
0.8419	0.015	41.734	-57.3791	0.0013	30.3378	35.5847
0.8571	0.0148	43.1688	-58.7587	0.0013	30.3223	35.7866
0.8706	0.0148	44.1621	-60.4694	0.0012	30.2964	35.9984
0.8817	0.0146	45.321	-61.9594	0.0012	30.1152	36.1954
0.8913	0.0146	46.0936	-63.3391	0.0011	30.0272	36.3136
0.9013	0.0143	47.1973	-64.6084	0.0012	30.0117	36.417
0.9091	0.0143	48.4666	-66.1535	0.0011	29.9961	36.5894
0.916	0.0144	49.8462	-68.2506	0.0009	30.0427	36.7519
0.9222	0.0142	51.0051	-70.3476	0.0011	30.1773	36.8996
0.9272	0.0141	52.8263	-72.7206	0.0009	30.3844	37.072
0.9312	0.014	54.0955	-74.6521	0.001	30.6329	37.3035
0.9344	0.0139	56.027	-77.2458	0.0008	30.9332	37.4808
0.9374	0.0141	57.6274	-79.674	0.0007	31.368	37.7172
0.94	0.0139	59.3933	-81.6607	0.0007	31.6734	37.8994

0.9411	0.0141	60.773	-83.7025	0.0007	32.129	38.1259
0.9405	0.0142	62.4285	-86.1859	0.0006	32.6053	38.3869
0.9416	0.0141	64.0289	-88.1173	0.0006	33.2058	38.7317
0.9423	0.0141	65.7397	-90.6559	0.0007	33.827	38.9878
0.9427	0.0143	67.34	-92.8633	0.0005	34.4172	39.2094
0.9427	0.0142	69.3267	-95.6777	0.0007	34.8935	39.4261
0.9413	0.0145	71.203	-98.3266	0.0007	35.4888	39.7856
0.9395	0.0149	73.0241	-101.0859	0.0009	36.0789	40.1008
0.9387	0.0152	75.2316	-103.8452	0.0007	36.7675	40.3569
0.9373	0.0155	78.1012	-107.3219	0.0008	37.3473	40.8691
0.9362	0.0156	80.9156	-112.1782	0.0007	38.2532	41.5389
0.9327	0.016	84.889	-116.9242	0.0009	39.0194	42.0215
0.9308	0.0165	89.4694	-123.2705	0.001	39.8632	42.5928
0.9279	0.0173	95.595	-131.2172	0.0012	40.6656	43.2035
0.9232	0.018	102.6035	-141.1506	0.0013	41.5095	43.8782
0.9189	0.0187	112.1506	-153.4569	0.0019	42.2808	44.5234
0.916	0.0197	122.9118	-166.4255	0.0024	43.0211	45.1095
0.911	0.0211	133.6729	-182.3189	0.0033	43.6734	45.7645
0.9034	0.023	147.966	-203.3445	0.0043	43.8598	46.4589
0.896	0.0247	165.1838	-237.3939	0.0056	43.7821	46.2767
0.8848	0.0277	183.6157	-284.9638	0.0074	43.8805	47.104
0.8708	0.0311	205.5796	-337.9418	0.0094	43.6216	47.5818
0.8547	0.0347	228.1504	-387.388	0.0115	44.3464	47.5768
0.8377	0.0376	251.9353	-427.3974	0.0135	45.185	48.3451
0.8141	0.0422	274.0095	-482.638	0.0161	45.9253	48.8622

0.2119	0.0077	-1.0678	-4.1472	0.0056	24.8673	26.6674
0.1724	0.0112	68.223	-107.9289	-0.0001	24.8607	28.6209
0.1391	0.0132	74.6797	-109.8052	-0.0001	24.6536	29.8225
0.1253	0.0133	77.9356	-112.9508	0	25.4509	31.5167
0.1275	0.0133	80.5294	-119.1867	0	26.5535	32.9449
0.1431	0.0138	84.9994	-125.6986	0.0001	27.972	34.1614
0.1696	0.0149	89.0279	-133.4798	0.0001	29.3853	35.2646
0.205	0.0158	95.8709	-143.8546	-0.0002	30.9073	36.1116
0.2426	0.017	104.1487	-154.8365	0.0001	32.2791	36.875
0.2752	0.0181	115.9584	-171.6129	0.0001	33.5734	37.4167
0.3002	0.0193	134.0592	-195.8393	0.0003	34.0186	37.8994

0.3138	0.021	156.9612	-229.8336	0.0003	34.2412	38.5199
0.3207	0.0225	184.5539	-267.0837	0.0006	33.7649	39.0764
0.3238	0.0252	214.2437	-300.6364	0.0011	34.7796	39.4507
0.3309	0.0275	250.8868	-332.644	0.0017	35.4474	39.8546
0.3427	0.0299	289.2407	-374.3642	0.0027	35.3231	39.9728
0.3566	0.033	326.3253	-416.9673	0.0042	35.7321	40.219
0.3748	0.0363	359.4917	-455.6524	0.0058	35.8201	40.352
0.3958	0.0394	386.643	-488.9292	0.0071	35.7683	40.4505
0.42	0.0414	404.8542	-511.5	0.0086	36.1566	40.613
0.447	0.0428	418.9265	-525.4067	0.0095	36.0582	40.7706
0.474	0.044	430.6258	-526.4553	0.0102	35.8201	41.0415
0.4964	0.0452	441.2765	-526.5657	0.011	35.8926	41.1744
0.5187	0.0464	445.5258	-526.5657	0.0117	35.8926	41.2385
0.5388	0.0477	451.4307	-526.4553	0.0126	35.4318	41.3468
0.56	0.0474	455.9558	-526.4553	0.0131	35.4991	41.4749
0.5794	0.047	458.8255	-526.5105	0.0135	35.8253	41.6423
0.5981	0.0472	462.3022	-526.6208	0.0142	35.6286	41.8295
0.6137	0.0482	466.6618	-526.4553	0.0151	35.5716	41.928
0.6287	0.0492	470.3041	-526.676	0.0161	35.6959	42.0757
0.6422	0.0501	474.8293	-526.5657	0.0172	35.7425	42.1348
0.6542	0.0513	476.1537	-526.7312	0.0183	35.9444	42.1841
0.6652	0.0527	477.423	-527.0623	0.0194	36.4051	42.3023
0.6752	0.0537	476.5953	-526.6208	0.0204	36.4879	42.4451
0.6843	0.0548	478.0301	-527.1175	0.0214	36.5811	42.5731
0.6925	0.0557	479.189	-526.3449	0.0223	36.5086	42.7898
0.6984	0.057	480.4582	-526.5657	0.0234	36.7105	42.9523
0.7047	0.0573	481.3412	-527.0071	0.0241	36.9331	43.1887
0.7093	0.0583	483.3278	-526.4553	0.0247	37.1143	43.4153
0.7145	0.0584	484.873	-526.4553	0.0253	37.2955	43.6418
0.7185	0.0587	485.4249	-526.5657	0.0257	37.4198	43.8832
0.7212	0.0591	487.5771	-526.5105	0.0258	37.5958	44.1146
0.7225	0.0603	488.0739	-526.6208	0.0266	37.8598	44.3609
0.7248	0.0603	489.1775	-526.5105	0.027	38.041	44.5973
0.725	0.0609	490.1157	-526.6208	0.0278	38.1859	44.9075
0.7245	0.0616	491.5504	-526.4001	0.0284	38.3619	45.1685
0.7237	0.0624	491.8264	-526.7312	0.029	38.5587	45.4296
0.7218	0.0634	493.6475	-526.3449	0.0296	38.7916	45.73
0.7195	0.0647	492.5438	-526.3449	0.0306	39.1281	46.0353

0.7173	0.0654	491.9367	-526.4553	0.0313	39.3455	46.3062
0.7132	0.0667	491.3849	-526.5105	0.0321	39.5526	46.6066
0.7083	0.0675	490.8883	-526.6208	0.0329	39.9202	46.9218
0.7035	0.0684	491.6057	-526.676	0.034	40.2411	47.1779
0.6974	0.069	492.9301	-526.5657	0.0348	40.5569	47.6064
0.6894	0.0698	495.3031	-526.4001	0.0359	40.9245	47.9708
0.6812	0.0712	498.7797	-526.5104	0.0371	41.349	48.3106
0.6718	0.0727	500.9872	-526.5657	0.039	41.7217	48.6308
0.661	0.0746	504.4087	-526.4553	0.0412	42.141	48.9066
0.6481	0.0769	507.7198	-526.5105	0.0434	42.5189	49.1282
0.6313	0.0799	510.9757	-526.5105	0.0468	43.0056	49.335
0.6138	0.0826	514.949	-526.5657	0.05	43.4197	49.5862
0.5904	0.0865	520.0813	-526.5105	0.0542	43.9322	49.8965
0.562	0.0916	525.7654	-526.4553	0.0599	44.7295	50.3003
0.5279	0.0966	530.8425	-526.5657	0.0655	45.4128	50.5268
0.4836	0.1034	530.4562	-526.5104	0.073	46.0547	50.8962

0.404	0.0007	5.1405	-0.2732	0.0003	19.4766	22.9398
0.7563	0.0067	18.6113	-32.8767	-0.0005	20.8021	24.2475
0.7254	0.0117	18.1698	-33.8149	-0.0001	24.3068	26.3012
0.7075	0.0132	19.715	-33.8701	-0.0002	24.5967	28.2318
0.6957	0.0136	20.4324	-34.5323	-0.0002	25.3525	30.3199
0.691	0.0136	21.0946	-34.5875	-0.0001	26.4138	31.9452
0.6925	0.0135	22.0328	-34.9738	-0.0002	27.299	33.3586
0.6977	0.0133	22.8054	-35.8567	-0.0002	28.0031	34.6686
0.7045	0.0135	23.2469	-36.9053	-0.0001	28.6709	35.8506
0.7114	0.0135	23.8539	-37.3467	-0.0002	29.3905	36.9932
0.7162	0.0136	24.8472	-39.499	-0.0001	30.0893	38.0668
0.7195	0.0136	25.8958	-42.4238	0	30.7261	39.1306
0.7212	0.0141	26.2821	-43.0308	0.0002	31.4664	40.0516
0.7223	0.0148	26.8339	-43.6379	0.0004	32.0462	40.9725
0.7235	0.0153	27.4961	-44.3001	0.0006	32.626	41.8147
0.7271	0.0154	27.7721	-44.9623	0.0009	33.1178	42.6519
0.7318	0.0161	28.3239	-45.2383	0.0013	33.33	43.3463
0.7398	0.0166	30.145	-45.2383	0.0019	33.4336	44.0063
0.7503	0.0171	34.1184	-45.6797	0.0022	33.3197	44.4298
0.7626	0.017	35.3877	-45.8453	0.0024	33.1696	44.9371
0.7771	0.0167	35.8843	-45.9005	0.0026	33.0143	45.3114

0.7935	0.0163	36.8777	-46.5075	0.0025	32.7865	45.661
0.8104	0.0162	37.9814	-48.1079	0.0024	32.5276	45.9122
0.8276	0.0158	38.8092	-48.6046	0.0024	32.3879	46.1979
0.8437	0.0157	39.5266	-49.6531	0.0024	32.3361	46.3801
0.859	0.0155	40.244	-50.9224	0.0023	32.2999	46.6706
0.8731	0.0153	41.3477	-52.5227	0.0021	32.2533	46.9218
0.8862	0.0152	42.341	-54.5094	0.0022	32.3154	47.2173
0.8976	0.0154	43.0584	-55.9442	0.0022	32.3206	47.5227
0.9072	0.0151	44.3829	-57.7654	0.0021	32.362	47.8181
0.9159	0.0151	45.7073	-60.2487	0.002	32.4241	48.1186
0.9236	0.0149	46.2592	-62.2354	0.0019	32.5898	48.552
0.9301	0.0148	48.1355	-64.8843	0.0018	32.7761	49.0198
0.9361	0.0144	49.9566	-67.0365	0.0016	32.8227	49.3646
0.9406	0.0143	52.0537	-70.0165	0.0016	33.066	49.8817
0.944	0.0143	54.537	-72.4999	0.0015	33.3249	50.2855
0.9466	0.0141	56.6892	-75.7006	0.0012	33.7183	51.0735
0.9496	0.0138	58.7863	-78.6255	0.0012	34.0859	51.6694
0.9525	0.0138	60.8281	-81.7158	0.0009	34.5311	52.4229
0.9544	0.0138	63.4219	-84.2544	0.0008	35.0384	53.073
0.9562	0.0139	65.85	-87.6207	0.001	35.5768	54.0334
0.9573	0.0138	67.9471	-90.4351	0.0008	36.1462	54.7967
0.9582	0.0141	69.9337	-93.084	0.0009	36.7002	55.6931
0.9586	0.014	71.7549	-95.5122	0.0009	37.2645	56.3579
0.9596	0.014	73.7967	-98.2715	0.0007	37.8443	57.2001
0.9596	0.0141	75.8938	-100.7548	0.0006	38.6933	58.1851
0.9589	0.0139	77.9908	-104.2315	0.0006	39.3404	59.1799
0.9589	0.0141	80.3086	-107.5426	0.0007	40.2204	60.3816
0.9577	0.0145	83.1231	-111.516	0.0006	40.3395	61.5931
0.9583	0.0144	87.262	-116.6482	0.0008	40.3395	62.7899
0.9572	0.0151	92.1183	-122.8842	0.0006	41.2765	63.8931
0.9559	0.0157	98.2991	-130.7205	0.0009	41.4681	64.7057
0.9536	0.0162	106.2458	-141.4817	0.0008	41.5664	65.272
0.9513	0.0173	116.124	-155.278	0.0013	41.6855	64.5776
0.9492	0.0185	129.81	-176.8555	0.0017	41.7062	61.8788
0.9436	0.0199	147.3589	-202.4064	0.0023	41.9443	61.9871
0.9394	0.0218	168.7157	-237.1732	0.0032	42.1721	61.4651
0.9311	0.0246	195.0943	-279.6108	0.0043	43.9374	61.1597
0.9194	0.0286	225.2256	-330.547	0.0063	42.8503	61.2582

0.9073	0.0325	258.1713	-379.2757	0.0085	43.3835	61.8985
0.8934	0.0365	290.9514	-428.3907	0.0109	43.7045	61.5242
0.8783	0.0407	320.9171	-476.0709	0.0136	44.305	61.0809
0.8593	0.0454	349.5583	-517.5704	0.0164	45.1436	61.0415
0.8357	0.0508	380.7933	-524.9102	0.0203	46.2308	60.8495

0.3879	0.0181	5.9352	-1.0182	0.0139	23.0782	23.2367
0.7474	0.0069	17.8939	-32.8215	-0.0002	22.4845	24.1687
0.7172	0.0107	19.108	-33.539	-0.0001	25.0471	26.5869
0.6995	0.0123	19.1631	-34.5323	-0.0001	26.947	28.6947
0.6869	0.0129	19.1631	-37.8434	0	28.6553	30.5071
0.6816	0.0128	19.4391	-38.1193	-0.0001	30.2188	32.019
0.6819	0.013	19.6598	-40.2164	-0.0001	30.4931	33.2552
0.6845	0.0131	20.5428	-41.4305	0	27.4025	34.4569
0.6868	0.0132	21.205	-41.7616	-0.0001	27.8167	35.4419
0.6897	0.0135	21.7569	-42.4238	0	28.3603	36.3382
0.6927	0.0137	22.5295	-42.8101	0.0001	28.9504	37.0424
0.6938	0.0138	23.0813	-43.0308	0.0001	29.4785	37.6728
0.6954	0.0142	23.5228	-43.3068	0	30.022	38.2688
0.6958	0.0145	23.7435	-43.5275	0.0002	30.4517	38.712
0.6971	0.0149	24.0195	-43.362	0.0004	30.9125	39.1503
0.6985	0.0153	24.5713	-43.5275	0.0006	31.2334	39.5345
0.7025	0.0157	24.5161	-43.6379	0.0008	31.513	39.8693
0.7088	0.0163	25.4543	-43.3068	0.0012	31.72	40.0959
0.7163	0.0169	26.0061	-43.362	0.0016	31.8184	40.4062
0.7248	0.0174	26.9443	-43.362	0.0019	31.9219	40.7854
0.7355	0.0177	27.9928	-43.4171	0.0022	32.0824	41.2385
0.7466	0.0182	31.7454	-43.1412	0.0026	32.1808	41.6177
0.76	0.0176	32.8491	-43.362	0.0028	32.2481	42.0462
0.7724	0.0177	32.9043	-43.5827	0.0027	32.2429	42.386
0.7853	0.0176	32.9043	-43.7483	0.0028	32.2584	42.7159
0.7985	0.0174	33.1251	-44.0242	0.0028	32.2584	42.9917
0.8108	0.0172	33.401	-44.1346	0.0028	32.2481	43.302
0.8227	0.0174	34.008	-44.2449	0.0029	32.2895	43.5827
0.8334	0.0174	34.5599	-44.7968	0.003	32.2843	43.893
0.8443	0.0174	34.6151	-45.9005	0.0032	32.3309	44.1491
0.8555	0.0177	35.2773	-46.8938	0.0033	32.3723	44.4544
0.8647	0.0176	35.498	-47.7216	0.0035	32.3827	44.7204

0.8731	0.0178	36.1603	-48.6598	0.0036	32.4293	44.9666
0.8819	0.0179	36.5466	-49.1012	0.0038	32.45	45.1883
0.8892	0.0183	36.8225	-50.2601	0.0042	32.4862	45.3212
0.8953	0.0184	37.9262	-50.9776	0.0043	32.5483	45.5576
0.9007	0.0188	37.9814	-51.6398	0.0044	32.6778	45.7398
0.9053	0.0188	38.6988	-52.4124	0.0047	32.7658	45.927
0.9095	0.0191	39.1955	-53.4609	0.005	32.9573	46.1585
0.9142	0.0194	39.9129	-54.1783	0.0052	33.0867	46.4589
0.918	0.0194	40.851	-55.2268	0.0054	33.2524	46.6362
0.9207	0.0196	41.5132	-56.165	0.0054	33.5682	47.0794
0.9231	0.0198	42.2858	-57.2135	0.0056	33.9771	47.631
0.9259	0.0198	42.617	-58.4276	0.0056	34.3654	48.1481
0.9274	0.0198	43.3344	-59.2554	0.0056	34.8003	48.6554
0.9286	0.0199	44.2173	-60.4694	0.0056	35.1989	49.2808
0.9309	0.0197	45.2659	-62.2354	0.0055	35.6234	49.8521
0.9313	0.0194	45.8177	-63.5598	0.0053	36.0272	50.4185
0.9313	0.019	46.7007	-65.6017	0.0052	36.4154	51.0046
0.9315	0.0194	47.9148	-67.4228	0.0052	36.9124	51.5562
0.9329	0.0195	49.4048	-69.1336	0.0051	37.3628	52.1471
0.9315	0.0198	50.5637	-71.1202	0.0054	37.7977	52.6889
0.931	0.0199	52.0537	-73.6588	0.0054	38.3723	53.3144
0.9317	0.0202	54.6474	-75.9765	0.0058	38.8641	53.9398
0.93	0.0209	56.6892	-78.791	0.0062	39.2679	54.3683
0.9281	0.022	59.3933	-81.8814	0.007	39.7027	54.7967
0.9267	0.0228	62.4285	-85.6892	0.0079	40.091	55.1563
0.925	0.0239	64.6911	-89.7177	0.0087	40.5932	55.5355
0.9202	0.0249	67.2297	-93.6911	0.0097	41.0125	55.8753
0.9174	0.0263	70.2097	-97.8852	0.0107	41.3697	56.0427
0.9162	0.0277	73.7415	-102.6863	0.0121	41.5923	56.1068
0.9119	0.0292	75.8386	-107.9289	0.0136	41.7476	56.0477
0.9075	0.031	78.4323	-113.7234	0.0156	42.2705	56.3973
0.9009	0.033	82.4608	-119.1316	0.0173	42.8347	56.7963
0.8976	0.0352	86.1031	-124.0983	0.0197	43.3369	57.205
0.8917	0.0374	88.2001	-128.7338	0.022	43.8235	57.5104
0.8835	0.0401	90.9594	-133.6453	0.0244	44.6052	57.8896
0.8753	0.0431	93.1116	-138.9431	0.0272	45.2679	58.1605
0.864	0.0464	95.7053	-144.5721	0.03	45.739	58.3673
0.8479	0.0511	97.1402	-156.5473	0.0319	46.0703	58.5151

0.2057	0.0081	-1.5148	-4.7432	0.0064	20.1755	21.2022
0.171	0.0209	15.852	-248.5414	0.003	20.7348	22.8045
0.1348	0.0155	27.441	-43.6931	-0.0002	23.8978	26.055
0.107	0.0156	26.9443	-44.0794	-0.0001	24.079	27.6162
0.09	0.0153	27.7169	-44.3553	-0.0001	24.4414	28.9804
0.0787	0.0157	39.3058	-40.1612	-0.0001	25.6579	30.0097
0.0923	0.014	70.7615	-32.2697	-0.0002	26.6001	30.6893
0.0924	0.0137	39.4162	-44.1346	-0.0002	26.7347	31.9304
0.0923	0.0144	35.3877	-45.2383	-0.0001	27.5941	32.9942
0.0969	0.0144	36.1603	-45.459	0	28.412	34.0186
0.1008	0.0149	35.6084	-46.8386	0.0003	29.2093	34.9297
0.1025	0.0152	32.9595	-48.3286	0.0006	29.9496	35.7866
0.0999	0.0155	31.9662	-49.9842	0.0009	30.5708	36.5844
0.0934	0.016	32.9043	-49.6531	0.0016	31.1506	37.2345
0.0861	0.0165	33.2906	-50.2049	0.0022	31.6113	37.7467
0.0829	0.0169	53.7644	-42.9757	0.0026	31.7977	37.1902
0.0925	0.0155	88.4209	-36.9604	0.0019	30.7106	35.7374
0.0971	0.0166	44.9347	-48.8253	0.0033	30.8969	37.2197
0.1019	0.0194	37.3743	-51.1983	0.0048	31.7045	38.5495
0.1168	0.0204	36.4362	-51.6398	0.0054	31.9685	39.3473
0.1413	0.0209	38.5332	-51.695	0.0061	32.0721	39.8398
0.1753	0.0208	40.0784	-52.2468	0.0064	32.0928	40.2535
0.2154	0.0213	40.244	-53.2402	0.0064	32.1497	40.6524
0.261	0.0212	40.9614	-54.0127	0.0064	32.2636	41.007
0.3114	0.0208	42.0099	-55.2268	0.0062	32.2429	41.2729
0.3633	0.0205	43.2792	-56.3305	0.0059	32.2688	41.4995
0.4134	0.0204	44.2173	-57.4342	0.0061	32.3568	41.7162
0.4611	0.021	44.9347	-58.8139	0.0063	32.4759	41.9674
0.5067	0.0211	45.5418	-60.0831	0.0066	32.6208	42.1988
0.5499	0.0214	46.4247	-61.0213	0.0069	32.7761	42.4746
0.5896	0.0214	47.1973	-62.4561	0.0072	32.9884	42.8095
0.625	0.022	47.5285	-63.6702	0.0074	33.0246	43.0755
0.6579	0.0222	48.1355	-65.4913	0.0077	33.2317	43.4153
0.6872	0.0221	49.1288	-66.7606	0.0078	33.3663	43.7403
0.7137	0.0224	50.1222	-68.5265	0.0078	33.5423	44.0654
0.7373	0.0224	51.3914	-70.0717	0.0081	33.7131	44.4298
0.7577	0.0223	52.7711	-71.7825	0.0081	33.884	44.7647

0.7753	0.0224	53.7092	-73.9347	0.0081	34.06	45.0848
0.7911	0.0225	55.0889	-76.0869	0.008	34.3758	45.4493
0.8043	0.0226	56.4685	-77.5769	0.0079	34.6864	45.8334
0.8159	0.0229	57.7378	-79.1221	0.0083	35.0177	45.5133
0.8264	0.0229	58.8967	-80.4466	0.0083	35.2972	45.8334
0.836	0.0228	60.3315	-82.3781	0.0083	35.6337	46.2274
0.8442	0.0228	61.38	-84.1992	0.0081	35.8667	46.5426
0.8525	0.0224	62.87	-86.7377	0.0079	36.2343	47.0499
0.8584	0.0224	65.1326	-89.1107	0.0079	36.5242	47.6507
0.8633	0.0229	66.2363	-91.594	0.0081	36.8141	48.1875
0.8681	0.0231	69.4371	-94.2981	0.0082	37.1609	48.6455
0.8714	0.0234	71.2582	-97.3333	0.0086	37.4871	49.1429
0.8732	0.024	73.4104	-100.9756	0.0091	37.777	49.7044
0.8748	0.0249	76.2801	-103.8452	0.0098	38.2377	50.2215
0.875	0.0258	77.9908	-105.9974	0.0103	38.6518	50.6992
0.8745	0.0267	80.419	-108.8119	0.011	39.066	51.2016
0.8734	0.0279	82.4608	-112.123	0.0121	39.3662	51.7827
0.8719	0.0288	84.9442	-116.4275	0.013	39.7338	52.2555
0.8691	0.0302	87.9794	-119.9042	0.0143	40.1428	52.8169
0.8657	0.0319	90.849	-123.8223	0.0158	40.5776	53.3193
0.8615	0.034	94.3809	-128.789	0.0175	40.9504	53.8019
0.8568	0.0362	97.8024	-134.4179	0.0197	41.5146	54.2156
0.8505	0.0383	101.2791	-140.7091	0.0214	41.8253	54.191
0.8428	0.0404	106.6872	-147.7176	0.0235	42.0479	54.5406
0.8324	0.0431	111.378	-154.7813	0.0262	42.4879	54.8805
0.8222	0.0456	115.3514	-162.8384	0.0286	43.1661	55.2892
0.811	0.0483	120.2629	-168.9088	0.0311	43.6837	55.7473
0.7965	0.0507	123.6292	-175.0896	0.0334	43.8856	55.9393
0.7828	0.0531	128.0992	-180.6633	0.0361	44.3516	56.4023
0.763	0.0561	131.7414	-188.2789	0.0395	44.9572	57.141
0.7381	0.0588	137.26	-198.2123	0.0434	45.4387	57.3823
0.704	0.0629	141.6196	-211.2912	0.0468	45.3248	57.3872
0.6193	0.0641	140.0192	-333.8029	0.0412	44.8175	54.5998
0.3764	0.0011	2.1605	-0.1738	0.0002	17.8506	18.6359
0.78	0.0058	20.598	-30.3382	-0.0002	18.7624	22.1594
0.727	0.0119	21.205	-36.243	-0.0002	23.0799	25.9072
0.7131	0.0129	21.4809	-37.8986	-0.0001	24.1256	28.1481

0.705	0.0132	23.6883	-37.8434	-0.0001	25.0781	30.2313
0.7038	0.0131	24.4609	-39.0575	-0.0001	26.2119	31.5955
0.7076	0.0129	25.7302	-40.2716	-0.0001	27.0868	32.7775
0.7126	0.013	26.1165	-41.8168	-0.0001	27.6666	33.7822
0.7183	0.0134	25.5647	-42.2031	0	28.3033	34.6539
0.724	0.0139	26.8891	-42.1479	-0.0001	28.8676	35.4419
0.7289	0.0138	29.3724	-42.3134	-0.0001	29.3646	36.0919
0.7316	0.0143	32.518	-42.7549	0	29.8978	36.806
0.7328	0.0149	36.4362	-42.8101	0	30.431	37.4069
0.7358	0.0152	42.1203	-42.7549	0.0001	30.8244	37.9831
0.7384	0.016	50.8396	-42.8101	0.0003	31.2386	38.5839
0.7417	0.0154	49.4599	-43.8034	0.0004	31.4612	39.1109
0.7482	0.015	34.3943	-44.576	0.0005	31.8184	39.6773
0.7553	0.0154	34.5047	-44.852	0.0006	31.9789	40.0171
0.7643	0.0155	35.0565	-45.459	0.0009	32.0669	40.3717
0.7756	0.0156	35.0565	-45.6246	0.001	32.2118	41.2188
0.7873	0.0153	35.5532	-46.342	0.0011	32.2274	41.6275
0.8004	0.015	36.1051	-46.6179	0.001	32.2636	41.9821
0.8136	0.0147	37.0432	-47.556	0.001	32.2481	42.2875
0.8284	0.0144	37.9814	-49.1564	0.0011	32.2067	42.583
0.8414	0.0144	38.754	-49.7083	0.0012	32.2015	42.7947
0.8549	0.0144	39.8577	-50.7016	0.0012	32.1601	42.9425
0.8705	0.0142	40.6303	-52.5227	0.0012	32.1704	43.2577
0.885	0.0141	41.0718	-53.5161	0.0011	32.2274	43.435
0.8954	0.014	42.341	-55.0613	0.001	32.2688	43.7157
0.9016	0.0138	43.6655	-57.2135	0.001	32.2998	43.9078
0.9104	0.0137	45.321	-58.9242	0.0008	32.4293	44.2131
0.9178	0.0134	46.5351	-60.5798	0.0007	32.5639	44.5037
0.9245	0.0132	47.9148	-62.8976	0.0006	32.6519	44.7844
0.9301	0.0133	49.8462	-65.3809	0.0006	32.8434	45.203
0.9352	0.013	51.7226	-68.1954	0.0006	33.0505	45.5379
0.9392	0.0132	53.3229	-70.7339	0.0004	33.211	45.9368
0.9421	0.0133	55.4752	-73.0517	0.0004	33.5164	46.3752
0.9453	0.0133	57.4618	-75.9765	0.0003	33.8115	46.8578
0.9474	0.0131	59.2278	-78.4047	0.0003	34.1583	47.3207
0.9506	0.0129	61.5456	-81.3847	0.0002	34.5621	47.7344
0.9521	0.013	63.5874	-83.7025	0.0001	34.852	48.158
0.9539	0.013	65.7397	-86.4618	0.0003	35.2092	48.7687

0.9554	0.0131	68.1126	-89.0555	0.0002	35.6337	49.3005
0.9561	0.0133	69.8786	-92.0355	0.0002	36.1463	49.8078
0.9568	0.0132	71.8101	-94.3533	0.0003	36.5966	50.4382
0.9572	0.0132	74.183	-97.2229	0.0002	37.1195	50.9602
0.9568	0.0137	76.0041	-100.0926	0.0002	37.6424	51.5512
0.9573	0.0139	78.4875	-103.6245	0.0001	38.1911	52.0339
0.9569	0.0139	82.1849	-108.4808	0.0002	38.6881	52.6987
0.9562	0.0139	87.7586	-114.8271	0.0001	39.2265	53.0632
0.9556	0.0142	93.8842	-123.6568	0.0002	39.8063	53.5557
0.9536	0.0149	102.7691	-135.1353	0.0002	40.1635	54.2107
0.9495	0.0155	114.2477	-150.8632	0.0003	40.4844	54.7672
0.9487	0.0162	130.417	-171.2818	0.0005	40.8624	55.1415
0.9453	0.0172	150.5045	-197.4397	0.0006	41.3024	55.3139
0.939	0.0189	176.1105	-247.9344	0.0009	41.028	54.4175
0.9311	0.0213	209.3321	-309.411	0.0013	40.5673	54.8164
0.9193	0.0235	254.9705	-386.9465	0.0017	40.7951	53.5409
0.9033	0.0276	307.9485	-485.1766	0.0024	41.4422	52.5805
0.8842	0.0327	373.564	-525.2412	0.0035	41.5716	51.6399
0.7987	0.0337	445.0844	-468.345	0.0033	39.0608	49.1479

0.4034	0.0021	4.4949	1.4155	0.0006	20.9256	21.61
0.7188	0.0065	45.1555	-42.6445	-0.0002	21.8685	25.8432
0.6843	0.0109	31.5799	-44.852	-0.0002	24.6951	27.2911
0.6701	0.0133	28.4343	-46.3972	-0.0002	26.6571	28.4288
0.6597	0.014	28.7102	-47.7768	-0.0001	28.1946	29.3497
0.6509	0.0139	29.3724	-48.5494	0	29.3128	30.0589
0.6435	0.0143	30.3658	-49.2668	0	30.3482	30.6844
0.6375	0.0146	30.5313	-50.4257	0.0001	31.2334	31.2557
0.6327	0.0148	31.1384	-50.4257	0.0006	31.9996	31.7531
0.6285	0.0149	31.3039	-50.205	0.0008	30.9176	32.2751
0.6231	0.0157	31.911	-51.2535	0.0014	27.0609	32.7479
0.6161	0.0166	32.5732	-51.6398	0.002	27.7649	33.1912
0.6077	0.0175	32.6836	-52.4676	0.0031	28.2878	33.5605
0.5982	0.0187	32.7388	-53.185	0.0041	28.8469	33.9151
0.5883	0.0197	32.8491	-53.4609	0.0053	29.2921	34.2451
0.5783	0.0213	32.9043	-53.9576	0.0066	29.5872	34.5406
0.5702	0.0229	33.2354	-54.3439	0.0083	29.8616	34.8262
0.5657	0.0249	33.7873	-55.0613	0.0101	30.0893	35.0528

0.5657	0.0268	34.0632	-54.7302	0.012	30.2395	35.3187
0.5673	0.0294	35.2773	-54.8405	0.0142	30.3585	35.5699
0.5703	0.0319	35.9395	-54.6198	0.0165	30.3844	35.8063
0.575	0.0343	36.5466	-54.4542	0.0184	30.4569	35.9984
0.5836	0.0354	37.4295	-54.4542	0.0195	30.4051	36.0427
0.5958	0.0363	39.9681	-53.6816	0.0204	30.3844	36.22
0.6118	0.0359	43.2792	-53.9024	0.021	30.2912	36.3382
0.6293	0.036	42.9481	-54.8405	0.0213	30.2602	36.4515
0.6479	0.0361	43.3895	-55.3924	0.0217	30.431	36.5598
0.6664	0.0367	43.9966	-55.8891	0.0221	30.5449	36.6534
0.6842	0.0374	43.7207	-56.6616	0.023	30.6536	36.7519
0.7001	0.0388	43.831	-56.9376	0.0244	30.9383	36.9292
0.7139	0.0404	44.1621	-57.5998	0.0258	31.1972	37.1606
0.7258	0.0422	44.0518	-58.4828	0.0277	31.6476	37.5546
0.7365	0.0438	44.0518	-58.9794	0.0294	31.9582	37.7861
0.7455	0.0454	44.107	-60.1935	0.0311	32.1756	38.0718
0.7536	0.0471	44.2725	-60.3039	0.0327	32.4966	38.3525
0.7605	0.0489	44.6036	-61.3524	0.0346	32.6985	38.6036
0.7664	0.0507	44.6036	-62.5665	0.0364	32.978	38.8253
0.7716	0.0522	44.8796	-62.6217	0.0379	33.1644	39.1405
0.7772	0.0529	45.1003	-63.4495	0.0389	33.5319	39.431
0.7822	0.0537	45.8177	-63.615	0.0397	33.7908	39.7708
0.788	0.0535	45.8729	-64.5532	0.0396	33.9772	39.958
0.7928	0.0537	46.4799	-65.3258	0.0398	34.2671	40.1402
0.7978	0.0535	46.811	-66.0984	0.0397	34.5466	40.3766
0.802	0.0535	47.3077	-66.6502	0.0394	34.6139	40.5588
0.8067	0.0531	47.9699	-67.1469	0.0386	34.8676	40.7509
0.8108	0.0527	48.5218	-67.9195	0.0385	35.0539	40.8642
0.8148	0.0522	49.4599	-68.9128	0.0384	35.1937	41.0513
0.8179	0.0521	49.6255	-69.6854	0.0382	35.4008	41.1843
0.8197	0.053	50.4533	-70.458	0.0388	35.5716	41.3911
0.8214	0.0534	51.1155	-71.1754	0.0393	35.7373	41.4798
0.8229	0.0538	51.6122	-71.8928	0.0394	35.9029	41.5931
0.8236	0.0542	52.2744	-72.5551	0.0401	36.1825	41.6177
0.8237	0.0546	52.8263	-73.7691	0.0404	36.2653	41.7704
0.8245	0.0548	53.5437	-74.4314	0.0405	36.2291	41.8295
0.824	0.0549	54.3163	-75.5351	0.0408	36.255	41.7654
0.8236	0.0552	54.8129	-75.9765	0.041	35.9392	41.9181

0.823	0.0554	55.42	-77.0251	0.0411	36.2808	42.0363
0.8218	0.0558	55.5855	-77.8529	0.0416	38.6156	42.2333
0.8209	0.0562	55.9718	-79.2325	0.0416	39.4594	42.5583
0.8192	0.0566	56.1374	-81.0536	0.042	39.5992	42.9376
0.818	0.0573	56.634	-81.9918	0.0424	39.6717	43.238
0.8153	0.0578	57.517	-83.4818	0.0431	39.827	43.696
0.8136	0.058	57.7378	-85.0269	0.0439	39.8322	44.1048
0.8126	0.0587	58.2896	-86.4618	0.0446	39.1799	44.4544
0.8086	0.0591	58.7311	-88.4485	0.0451	37.5958	44.8681
0.8056	0.0601	59.5037	-90.4903	0.0461	36.9901	45.1636
0.8016	0.0612	60.4418	-92.2011	0.047	37.2023	45.5675
0.7979	0.0625	61.0489	-93.8014	0.0484	37.1661	45.9024
0.7926	0.0637	62.3733	-96.2296	0.0501	37.311	46.2717
0.7863	0.0662	63.5874	-97.9403	0.0519	38.6622	46.5721
0.7783	0.0685	64.9119	-99.8718	0.0537	38.1963	46.9218
0.769	0.0714	65.4637	-102.3	0.0559	38.6311	47.2222
0.7591	0.0746	66.5674	-104.7834	0.059	38.8537	47.5522
0.747	0.0778	67.7263	-107.2115	0.0632	39.3559	47.8329
0.7316	0.0808	68.7197	-109.9708	0.0683	39.3093	48.0742
0.7157	0.0845	70.1545	-112.8956	0.0719	39.1333	48.3254
0.6939	0.0895	70.8167	-118.359	0.0754	40.2463	48.4436
0.4812	0.0099	4.3459	2.2598	0.0071	18.6799	22.8555
0.7628	0.0068	24.6817	-41.596	-0.0002	19.2024	26.2372
0.7119	0.0146	29.8691	-46.5075	0	22.5208	27.5177
0.6945	0.0163	29.8139	-47.4457	0.0001	23.3905	28.8277
0.6811	0.0171	29.8139	-48.3838	0	24.1929	29.8816
0.6725	0.0174	30.2002	-47.8872	0.0001	25.1351	30.8371
0.6666	0.0175	30.3658	-48.8805	0.0001	26.274	31.6989
0.6647	0.0174	30.9176	-49.3772	0.0001	27.3456	32.5805
0.6662	0.0172	31.9662	-50.3153	0.0001	28.3706	33.3094
0.668	0.0171	32.6284	-50.7568	0.0002	29.4526	34.1417
0.6675	0.0175	33.401	-51.5846	0.0005	30.4207	34.8952
0.6644	0.0178	33.7873	-52.6331	0.0007	31.3266	35.6389
0.6578	0.0185	33.8425	-53.8472	0.0012	32.129	36.3086
0.6492	0.0194	34.5047	-54.5094	0.0019	32.7813	36.9243
0.64	0.0204	34.3943	-55.7787	0.0029	33.2161	37.4069
0.6343	0.0217	35.3325	-56.3857	0.0039	33.5837	37.8994

0.6332	0.0229	35.4428	-56.6616	0.0051	33.7908	38.254
0.6349	0.0246	36.1603	-56.7168	0.0065	34.1169	38.6923
0.6384	0.0259	36.6017	-56.772	0.0079	34.2878	39.0173
0.6442	0.0272	37.4295	-56.4961	0.0091	34.3913	39.3522
0.654	0.0278	38.3125	-56.4961	0.0099	34.4275	39.6526
0.6651	0.0285	39.3058	-56.2753	0.0106	34.4275	39.889
0.6776	0.0292	41.4029	-55.9994	0.0113	34.4534	40.1451
0.6916	0.0289	43.4999	-55.6683	0.0118	34.6501	40.3224
0.7072	0.0281	44.3277	-56.3857	0.0117	34.6605	40.5391
0.7218	0.028	45.0451	-57.3791	0.012	34.7381	40.7361
0.7359	0.0281	45.2659	-57.9861	0.0124	34.7951	40.9134
0.7487	0.0287	45.8177	-59.2002	0.013	34.8624	41.0563
0.7607	0.0296	46.5351	-60.5798	0.0138	35.0022	41.2089
0.7714	0.0305	47.5836	-61.2972	0.0149	35.1109	41.3665
0.7804	0.032	47.8596	-62.125	0.016	35.2972	41.5241
0.7888	0.0329	48.4114	-63.3943	0.0173	35.5302	41.7063
0.7969	0.034	49.1288	-64.2772	0.0182	35.7735	41.9033
0.8034	0.0355	49.6255	-64.6635	0.0195	35.9806	42.12
0.8099	0.036	50.3429	-66.0432	0.0205	36.2084	42.3466
0.8152	0.037	51.4466	-67.5332	0.0212	36.4154	42.578
0.8211	0.0374	52.0537	-68.4162	0.0217	36.5915	42.775
0.8254	0.0383	52.8814	-69.9613	0.0228	36.7675	42.9425
0.8295	0.0389	53.7644	-70.9547	0.0235	36.9849	43.169
0.8329	0.0395	54.2611	-72.4999	0.0243	37.1299	43.371
0.8355	0.0403	55.1992	-73.438	0.0251	37.3266	43.5827
0.8364	0.0414	55.9718	-74.5969	0.0262	37.544	43.7896
0.8369	0.0422	56.8548	-76.1973	0.0273	37.8028	44.0506
0.8381	0.0429	57.4067	-77.4114	0.0281	38.0203	44.287
0.8381	0.044	58.5104	-78.0184	0.0287	38.3361	44.5431
0.8368	0.0447	59.283	-78.9566	0.0291	38.7191	44.8041
0.8368	0.0447	60.0004	-80.3362	0.0292	39.1126	45.1538
0.8362	0.0442	60.9937	-81.8262	0.0288	39.4594	45.4788
0.8354	0.0441	62.3733	-83.4266	0.0284	39.7493	45.7891
0.834	0.0439	63.6978	-85.0821	0.0282	40.0134	46.1092
0.8327	0.0437	65.0774	-87.0136	0.0284	40.2929	46.3949
0.8305	0.0439	66.2363	-88.7244	0.0288	40.5207	46.715
0.8274	0.0445	67.2297	-90.38	0.0294	40.764	47.0006
0.8233	0.0453	68.8852	-93.1392	0.0301	41.028	47.3404

0.8184	0.0461	70.32	-95.5674	0.0309	41.292	47.6409
0.8135	0.0467	72.1412	-98.2715	0.0317	41.4732	47.8871
0.8072	0.0479	73.7415	-101.417	0.0329	41.7683	48.1924
0.8005	0.0492	75.5075	-105.0593	0.034	42.0013	48.4288
0.7929	0.0507	78.1012	-106.8252	0.0355	42.286	48.7046
0.7855	0.0518	79.8119	-110.0811	0.0368	42.5707	48.9263
0.7757	0.0539	80.3086	-113.4475	0.0392	42.8865	49.0691
0.7644	0.0556	83.3438	-118.2486	0.041	43.2644	49.2661
0.751	0.0578	86.1583	-122.6634	0.043	43.5077	49.4483
0.7372	0.0598	89.0279	-128.1268	0.0452	43.6837	49.6748
0.7207	0.0626	92.5598	-134.142	0.0476	44.0927	50.0097
0.7023	0.0659	96.5331	-140.6539	0.051	44.5276	50.3102
0.6797	0.0697	99.5683	-146.3932	0.0547	44.9624	50.5712
0.6524	0.0745	103.045	-152.7947	0.0597	45.5008	50.975
0.6211	0.0792	106.8528	-160.024	0.0656	46.1479	51.4429
0.5798	0.085	111.5987	-168.8537	0.0718	46.7536	51.8073
0.5298	0.0919	114.4132	-185.5748	0.0771	47.0021	51.9009
0.3204	0.012	-2.1108	-6.8292	0.01	23.1527	81.6516
0.7334	0.0068	21.3706	-34.4771	-0.0005	22.3396	90.724
0.7051	0.0104	20.2669	-35.0841	-0.0003	24.7675	67.4144
0.6711	0.0124	20.2117	-34.5323	-0.0004	26.5484	23.7994
0.6501	0.0125	21.2602	-35.8567	-0.0003	28.1428	29.8619
0.6438	0.0125	21.7569	-37.1812	-0.0003	29.2817	30.8863
0.6429	0.0125	22.5295	-38.7816	-0.0002	30.2291	31.7925
0.645	0.0125	23.1917	-40.4923	-0.0003	31.2024	32.6593
0.6484	0.0126	24.3506	-40.2716	-0.0003	32.0151	33.4817
0.6538	0.0129	24.4609	-42.2582	-0.0001	32.8641	34.25
0.6581	0.0131	25.2335	-42.6445	-0.0002	33.7183	34.9937
0.6596	0.0133	26.7787	-42.6997	-0.0001	34.5466	35.7472
0.6604	0.014	29.3724	-42.9205	0.0001	35.3128	36.4761
0.6599	0.0143	32.0765	-42.6997	0.0003	36.0479	37.1705
0.6609	0.015	36.5466	-42.8101	0.0007	36.8089	37.8206
0.6656	0.0154	47.3077	-42.1479	0.001	37.4094	38.4362
0.6728	0.0151	31.1936	-43.362	0.0015	38.0358	39.037
0.6818	0.0158	31.1384	-43.4171	0.002	38.5794	39.5197
0.6938	0.016	31.1936	-44.0242	0.0022	39.0556	39.9925
0.7081	0.0156	31.911	-44.4657	0.0024	39.506	40.3766
0.7258	0.0155	32.2421	-44.4657	0.0023	39.858	40.6524

0.7451	0.015	33.0147	-44.576	0.0021	40.2618	41.0267
0.7654	0.0142	33.4562	-45.0727	0.0017	38.0669	41.2533
0.7867	0.0138	34.5599	-45.2383	0.0014	31.6424	41.4847
0.8054	0.0136	35.1669	-45.5694	0.0013	31.4301	41.6669
0.8234	0.0132	35.8291	-46.6731	0.0012	31.3421	41.7901
0.8401	0.0132	36.1603	-48.2183	0.0012	31.2645	41.9624
0.8541	0.0131	36.7121	-48.9357	0.001	31.1661	42.0757
0.8679	0.0131	37.6503	-49.5427	0.0011	31.0729	42.1594
0.8796	0.0129	38.0918	-50.6464	0.0009	31.0626	42.2234
0.8906	0.0129	38.5884	-51.8605	0.0008	31.0833	42.3416
0.8992	0.0129	39.361	-52.7987	0.0008	31.1765	42.5879
0.9068	0.0129	40.244	-54.0679	0.0008	31.2904	42.7701
0.9144	0.0127	41.2373	-55.5028	0.0007	31.4405	43.0361
0.9195	0.0127	41.8444	-57.3791	0.0007	31.6735	43.3759
0.9236	0.0125	42.5066	-59.0346	0.0006	31.8702	43.6911
0.9276	0.0124	43.9414	-60.3591	0.0006	32.2222	44.2377
0.9308	0.0123	44.7692	-62.5113	0.0005	32.6001	44.9519
0.9336	0.0122	45.8729	-64.3876	0.0003	33.0505	45.6758
0.9368	0.012	47.0318	-66.4295	0.0003	33.5733	46.3604
0.9383	0.0121	48.1907	-67.9747	0.0002	34.0444	47.0646
0.9417	0.012	49.2944	-70.1269	0.0003	34.5932	47.8329
0.9434	0.0123	50.4533	-71.6169	0.0003	35.0643	48.4732
0.9431	0.0122	51.5018	-74.2658	0.0002	35.5768	49.1971
0.9425	0.0124	52.9918	-76.2525	0.0002	36.1411	49.8374
0.9439	0.0123	54.2059	-77.1906	0.0001	36.6639	50.4727
0.9439	0.0123	55.3648	-79.2325	0	37.1402	51.0883
0.9431	0.0125	56.5237	-81.2744	-0.0001	37.7252	51.694
0.9418	0.0126	57.6826	-83.4818	0	38.3361	52.3491
0.9408	0.0125	59.2278	-86.0755	-0.0001	38.8796	52.9647
0.939	0.0128	61.38	-88.614	-0.0001	39.4284	53.5754
0.9372	0.0131	64.7463	-92.3114	-0.0001	39.9357	54.0088
0.935	0.0134	68.1126	-96.947	-0.0001	40.4948	54.5505
0.933	0.0136	72.4723	-102.2448	0	41.0643	55.0578
0.9306	0.0139	78.2116	-109.8052	-0.0001	41.5457	55.5453
0.9283	0.0142	85.8271	-119.7386	-0.0001	42.0323	55.9935
0.9245	0.0144	96.202	-133.4798	-0.0001	42.462	56.3629
0.92	0.0153	109.6673	-152.6291	0.0001	43.0056	56.5254
0.9137	0.0162	129.1477	-180.0563	0.0001	43.3472	55.7226

0.9074	0.0171	157.2923	-214.4368	0.0002	43.4611	54.4323
0.8973	0.0191	200.1162	-271.9952	0.0004	43.7407	53.9595
0.8868	0.0212	247.3549	-316.3091	0.0006	44.0202	53.9989
0.8757	0.0233	302.43	-372.5431	0.0006	44.2946	54.0334
0.8605	0.0266	362.5822	-434.1852	0.0006	45.1022	54.3141
0.8401	0.0321	422.7894	-508.8511	0.0009	45.7027	54.9888

0.243	0.0046	-87.0909	-103.63	0.0029	25.4078	23.7465
0.7146	0.0102	35.3325	-46.342	-0.0001	22.2775	24.0111
0.6829	0.0151	30.0899	-47.2249	0.0001	24.7261	26.5327
0.6681	0.0173	29.8139	-48.9909	0.0001	26.7399	28.5027
0.6564	0.0187	31.2488	-49.3772	0.0003	27.2369	29.9506
0.6494	0.0188	31.9662	-49.929	0.0005	25.1661	31.0981
0.6452	0.0191	32.1869	-51.5294	0.0007	26.362	32.6839
0.6422	0.0193	32.7939	-51.9157	0.0011	27.356	33.9151
0.6397	0.0201	33.8425	-52.5779	0.0019	28.2671	35.038
0.6371	0.0209	34.1184	-53.2402	0.0027	29.1213	36.0476
0.6359	0.0218	34.3391	-54.1231	0.0036	29.8253	36.8947
0.6333	0.0228	35.0014	-55.0613	0.0048	30.4724	37.8206
0.6311	0.0238	35.6636	-55.1716	0.0059	31.0315	38.7021
0.6304	0.025	36.2706	-55.8891	0.0073	31.4353	39.5049
0.6307	0.0261	36.9328	-56.2753	0.0084	31.7304	40.2781
0.6326	0.0283	38.478	-56.5513	0.0099	32.0772	40.9725
0.6381	0.0294	41.0166	-56.2202	0.0113	32.2688	41.5684
0.6485	0.0305	49.5703	-55.6683	0.0126	32.4086	42.1545
0.6613	0.0308	44.6588	-56.8824	0.0134	32.5225	42.6519
0.6761	0.0311	44.6588	-57.3239	0.0139	32.7502	43.1149
0.6931	0.0311	44.9347	-57.2687	0.0141	32.8745	43.5039
0.7122	0.0305	45.597	-57.5998	0.0138	33.0298	43.9767
0.733	0.0301	45.7625	-58.7587	0.0138	33.1074	44.3067
0.7526	0.03	46.4248	-59.2002	0.014	33.1954	44.5382
0.7706	0.0306	47.2525	-60.0831	0.0144	33.3973	44.8731
0.7875	0.0311	47.4733	-60.3591	0.0149	33.6044	45.0848
0.8024	0.031	47.9699	-61.2972	0.0151	33.796	45.3212
0.8158	0.0314	48.5218	-62.732	0.0155	33.9254	45.4788
0.8294	0.0318	49.0737	-63.3943	0.0163	34.0962	45.7398
0.8425	0.0324	49.5703	-64.0013	0.0171	34.2878	45.9861
0.8541	0.0329	50.5085	-65.0498	0.0176	34.4379	46.2028

0.865	0.0335	51.1155	-66.2087	0.0178	34.7589	46.6903
0.8724	0.034	51.9433	-67.6987	0.0185	35.0643	47.1681
0.8799	0.0346	52.3296	-68.7473	0.019	35.3594	47.5473
0.8862	0.0347	52.7159	-69.851	0.0193	35.6441	48.0053
0.8923	0.035	53.4333	-70.8443	0.0198	36.0013	48.7046
0.8979	0.0354	54.4266	-72.3895	0.0198	36.4879	49.3695
0.9025	0.0356	55.2544	-73.714	0.0203	36.8037	49.9999
0.9056	0.0365	56.4133	-75.2591	0.0211	37.1298	50.5268
0.9093	0.0372	57.1307	-76.694	0.0217	37.4612	51.0883
0.911	0.0379	57.8481	-78.4599	0.0225	37.7097	51.5611
0.9131	0.0386	58.5104	-79.8947	0.0233	38.0306	52.0388
0.9154	0.0392	60.0555	-81.3295	0.0236	38.3775	52.5707
0.9135	0.0392	60.9385	-82.2677	0.024	38.8279	53.0878
0.9156	0.0397	62.5941	-84.4751	0.0244	39.1695	53.6443
0.9167	0.0404	63.477	-85.5236	0.0248	39.4957	54.0925
0.9171	0.0413	64.4152	-86.6273	0.0253	39.77	54.5259
0.9172	0.0419	66.0156	-87.7862	0.0261	40.003	54.9002
0.9169	0.043	66.8434	-89.4418	0.0269	40.2101	55.3582
0.9163	0.0438	67.9471	-91.2077	0.0275	40.5569	55.7571
0.9149	0.0446	69.2163	-92.7529	0.0286	40.8106	56.1166
0.9128	0.0458	70.8167	-94.1878	0.0296	41.1057	56.4958
0.9126	0.047	71.8101	-96.2296	0.0305	41.2299	56.9539
0.91	0.0489	73.3552	-97.9404	0.0321	41.4473	57.2838
0.9077	0.0506	74.8452	-99.927	0.0338	41.7217	57.4414
0.9053	0.0523	76.2249	-101.8033	0.0355	42.0013	57.7566
0.9027	0.0539	78.1564	-104.4522	0.0373	42.229	58.0915
0.8994	0.0555	79.0393	-108.26	0.0387	42.5552	58.4313
0.898	0.0571	80.3638	-110.5226	0.0404	42.9642	58.8401
0.8944	0.0588	81.0812	-113.7786	0.0422	43.4922	59.3769
0.8901	0.0607	82.0745	-116.2067	0.044	43.7666	59.8546
0.8863	0.0627	84.2268	-118.5797	0.0458	44.1548	60.2683
0.8805	0.0647	85.2201	-122.222	0.0481	44.6311	60.8298
0.8763	0.0665	86.9309	-125.9194	0.0501	45.0608	61.3075
0.8704	0.0687	89.5246	-129.0649	0.0529	45.594	61.8197
0.8625	0.0721	92.3942	-134.8594	0.0563	46.355	62.4107
0.8556	0.0755	94.5464	-138.4465	0.0603	47.1108	62.9327
0.8472	0.0796	96.0365	-142.2543	0.0644	47.7838	63.3021
0.8336	0.0852	98.5198	-147.2761	0.07	48.5189	63.5532

0.2071	0.0027	-1.3658	-2.8062	0.0018	20.6647	22.532
0.1794	0.0098	17.9491	-143.358	0.0004	21.8478	25.0552
0.136	0.0137	27.1098	-42.5894	0.0001	22.9867	27.493
0.1088	0.0137	27.2202	-42.4238	0.0002	23.7788	29.8718
0.0955	0.0136	26.8339	-42.7549	0.0001	24.8504	31.822
0.0931	0.0136	27.1098	-43.086	0	26.0359	33.4079
0.0983	0.0134	28.048	-42.5342	0.0001	27.0505	34.9247
0.1074	0.0134	28.2687	-42.8101	0.0001	27.827	36.284
0.1173	0.0139	28.4343	-43.9138	0.0001	28.5156	37.4266
0.127	0.0141	30.145	-43.362	0.0002	29.261	38.3771
0.1351	0.0144	30.8073	-44.3001	0.0003	29.8823	39.303
0.1412	0.0148	31.9662	-44.6864	0.0003	30.4672	39.9235
0.1466	0.0152	32.0765	-44.9071	0.0006	30.871	40.5441
0.1532	0.0157	32.3525	-45.5694	0.0008	31.1351	41.076
0.1632	0.0165	36.2706	-45.1831	0.0013	31.4457	41.4601
0.1765	0.0173	38.1469	-44.9623	0.0019	31.5751	41.8196
0.194	0.0181	41.5132	-45.3486	0.0023	31.5906	42.1447
0.2159	0.0191	45.4866	-45.0727	0.0029	31.7149	42.4795
0.2434	0.019	45.9833	-46.0109	0.0035	31.72	42.8834
0.2753	0.0188	36.6017	-48.0527	0.0039	31.9375	43.3168
0.3101	0.0192	36.9328	-48.3838	0.0043	32.2636	43.829
0.3482	0.0193	37.4847	-49.1012	0.0045	32.5276	44.3609
0.3878	0.0193	38.3677	-50.0394	0.0046	32.7192	44.681
0.4276	0.0195	39.0299	-51.419	0.0047	32.9262	45.1193
0.4684	0.0197	38.9747	-52.4676	0.0051	33.035	45.4837
0.5082	0.0197	40.244	-53.185	0.0052	33.1644	45.8236
0.5447	0.0199	40.6855	-55.1716	0.0054	33.2835	46.1289
0.5797	0.0202	41.0718	-55.889	0.0057	33.418	46.4293
0.6118	0.0208	41.7892	-56.7168	0.0062	33.5889	46.7199
0.641	0.0216	42.0651	-57.9861	0.0068	33.8529	47.0351
0.667	0.0223	42.8929	-58.2068	0.0074	34.1325	47.4045
0.6901	0.0228	43.3344	-59.6417	0.0079	34.3706	47.764
0.7112	0.0236	44.107	-60.4694	0.0086	34.5932	48.0792
0.73	0.0242	44.6036	-61.6835	0.0092	34.8883	48.4091
0.745	0.0249	45.5418	-63.008	0.0098	35.0643	48.7194
0.7612	0.0256	46.5903	-63.3943	0.0106	35.1937	48.9213
0.7727	0.0266	47.3629	-64.5532	0.0114	35.2558	49.0691

0.7823	0.0277	48.1907	-65.8224	0.0126	35.349	49.2907
0.7917	0.0287	48.7977	-66.7054	0.0134	35.4629	49.4138
0.7976	0.0294	49.2392	-67.1469	0.0142	35.5561	49.5419
0.8042	0.0305	49.7911	-68.0298	0.0151	35.6959	49.6453
0.8109	0.0313	50.7844	-69.1887	0.0158	35.9909	50.0344
0.8168	0.0317	51.3914	-70.0165	0.0163	36.4103	50.5613
0.8203	0.032	51.6122	-71.2306	0.0163	36.7312	51.0046
0.8248	0.0321	52.164	-71.8928	0.0167	37.1298	51.4921
0.8297	0.0322	53.2126	-72.8862	0.0168	37.6268	52.0191
0.8332	0.0318	54.0955	-74.3762	0.0165	37.953	52.4968
0.836	0.0317	54.8681	-76.1421	0.0163	38.3412	52.9893
0.8386	0.0316	55.6407	-77.3562	0.0162	38.6829	53.5113
0.841	0.0314	57.0204	-78.9566	0.0162	38.9883	53.9398
0.8428	0.0311	57.6274	-80.4466	0.0161	39.2938	54.3141
0.8434	0.0313	59.3381	-82.654	0.0163	39.6199	54.8411
0.8439	0.0315	60.6074	-84.144	0.0164	39.9409	55.2892
0.843	0.0322	61.4904	-86.0203	0.0165	40.267	55.6389
0.8426	0.0327	62.7596	-87.1792	0.0167	40.7071	56.2102
0.8415	0.0328	65.1326	-88.9451	0.0169	41.0332	56.6928
0.8406	0.0338	65.7948	-90.5455	0.0176	41.3024	57.008
0.8376	0.0344	67.9471	-93.1392	0.0181	41.4681	57.2789
0.8328	0.0356	69.4923	-95.7329	0.0191	41.7528	57.7418
0.8305	0.0368	71.4237	-98.5474	0.0205	42.0323	58.0078
0.825	0.0382	73.3001	-101.9689	0.0218	42.3636	58.3378
0.8202	0.0393	75.1212	-104.8385	0.0229	42.5811	58.653
0.8131	0.0409	77.3286	-108.4256	0.0245	42.8503	59.0272
0.8061	0.0426	79.0393	-111.6815	0.0264	43.1971	59.4853
0.7979	0.0447	81.909	-115.3238	0.0287	43.751	59.9876
0.7862	0.047	83.4542	-118.5797	0.0307	44.0979	60.4013
0.7746	0.0491	85.4408	-121.5045	0.0334	44.5535	60.7756
0.7602	0.0515	86.2686	-125.3123	0.036	45.2679	61.1794
0.7438	0.0536	89.0279	-129.1753	0.0381	46.1479	61.7064
0.7244	0.0557	90.4627	-133.535	0.0405	46.8468	62.3319
0.7011	0.0582	92.9461	-139.2742	0.0421	47.4887	62.6372
0.6724	0.0613	94.3809	-148.2695	0.0441	47.7372	62.6274
0.2367	0.0161	-1.9122	-4.6935	0.0113	23.1434	22.9929
0.2028	0.0087	21.5361	-39.499	-0.0001	26.274	27.4389

0.1795	0.0104	24.8472	-41.9271	-0.0001	27.2835	29.5123
0.1714	0.0105	25.3991	-42.2031	-0.0001	28.5932	31.0193
0.1749	0.0105	25.5095	-42.4238	-0.0001	28.5466	32.1619
0.1841	0.0109	27.9928	-42.3686	0	25.7667	33.0631
0.1964	0.0107	31.2488	-42.3686	-0.0001	26.129	33.8265
0.2081	0.011	30.8625	-42.6997	0	26.5639	34.4815
0.2177	0.0114	30.9176	-43.1412	-0.0001	27.0246	35.0971
0.2253	0.0115	30.9728	-43.4723	0	27.4802	35.7127
0.2308	0.0117	30.8073	-44.2449	0	27.9513	36.3628
0.2359	0.0122	31.2488	-44.2449	0.0002	28.3913	36.9686
0.2435	0.0123	31.3039	-44.5209	0.0003	28.7537	37.5743
0.2552	0.0126	31.1936	-45.1279	0.0004	29.0384	38.1604
0.2718	0.0129	31.8006	-45.1279	0.0007	29.2869	38.776
0.2925	0.0132	31.8558	-45.3486	0.0009	29.5095	39.3128
0.3186	0.0132	32.1317	-45.5694	0.0011	29.7011	39.7659
0.3502	0.0131	32.518	-46.066	0.0012	29.7528	40.1205
0.3866	0.0127	33.0147	-47.1698	0.0012	29.8616	40.4406
0.4267	0.0126	33.6217	-47.7768	0.0011	29.8719	40.7263
0.4686	0.0123	34.1736	-48.1631	0.0012	29.9444	40.9233
0.5111	0.0123	35.0565	-49.0461	0.0011	29.9133	41.0809
0.5525	0.0124	35.3877	-49.7635	0.0012	29.8926	41.1547
0.5922	0.0123	35.8291	-50.5361	0.001	29.8926	41.2828
0.6298	0.0123	36.5466	-51.695	0.001	29.7994	41.3665
0.6639	0.0125	37.3191	-52.7435	0.0011	29.7735	41.5044
0.6946	0.0126	38.0366	-53.185	0.0011	29.8357	41.6571
0.7221	0.0127	38.5884	-54.1231	0.0012	29.8874	41.8738
0.7453	0.0132	39.3058	-54.7302	0.0013	29.9703	42.0068
0.7675	0.013	39.9681	-55.5028	0.0013	29.991	42.1496
0.7869	0.013	40.7407	-56.4961	0.0012	30.1359	42.4057
0.8048	0.0128	41.5684	-57.7102	0.0013	30.2032	42.5534
0.8203	0.0127	42.1755	-59.3105	0.0012	30.2602	42.8046
0.8331	0.0127	43.1688	-60.3039	0.0014	30.3999	43.1986
0.8463	0.0128	43.6655	-61.1868	0.0012	30.7106	43.5975
0.8578	0.0129	44.0518	-62.3457	0.0012	31.0005	44.0604
0.8683	0.0127	44.9899	-63.5046	0.0012	31.3059	44.5677
0.8773	0.0127	45.9833	-64.9395	0.0011	31.6476	45.0307
0.886	0.0125	47.087	-66.871	0.0009	31.9685	45.5281
0.8923	0.0122	47.8596	-68.085	0.0009	32.3257	46.0206

0.8985	0.0118	48.7425	-69.2991	0.0009	32.5846	46.4244
0.9039	0.0119	49.6807	-70.6787	0.0007	32.9314	46.8627
0.9085	0.0119	51.0603	-72.3895	0.0006	33.3197	47.37
0.9119	0.0121	52.2192	-74.5969	0.0006	33.6355	47.6458
0.915	0.0122	53.4885	-75.8662	0.0006	33.9823	48.0545
0.9184	0.0121	54.6474	-77.7977	0.0006	34.4017	48.5076
0.9202	0.0121	55.9166	-79.7292	0.0005	34.7899	48.9903
0.9226	0.012	57.1859	-81.4951	0.0005	35.2507	49.3104
0.923	0.0123	58.8967	-84.3096	0.0005	35.7373	49.6453
0.9248	0.0124	61.0489	-86.4066	0.0004	36.1204	49.9211
0.9254	0.0126	62.4837	-88.3933	0.0005	36.5035	50.1378
0.9254	0.0129	64.7463	-91.6492	0.0005	36.9797	50.4037
0.9253	0.0134	66.9537	-95.5674	0.0006	37.3783	50.6155
0.925	0.0136	70.32	-99.7615	0.0005	37.8857	51.0834
0.9228	0.0141	74.2934	-105.887	0.0007	38.4034	51.3739
0.9206	0.0145	79.1497	-113.4475	0.0009	38.9055	51.7532
0.9193	0.0152	84.0612	-121.4494	0.0012	39.4646	52.3786
0.916	0.0157	90.1316	-132.7072	0.0016	40.1738	52.9056
0.9129	0.0165	98.575	-145.1239	0.002	40.9452	53.3784
0.9086	0.0177	107.6254	-160.8517	0.0028	41.5405	53.403
0.9	0.0192	117.8899	-182.1533	0.0038	42.3119	53.4867
0.8929	0.0209	133.5074	-208.0905	0.0053	42.6794	53.2208
0.8837	0.0231	149.7871	-235.2417	0.007	43.311	53.4276
0.8724	0.0261	168.7157	-264.4348	0.009	43.9012	53.5803
0.858	0.0291	188.2513	-294.4005	0.0114	44.2118	53.8758
0.8433	0.0318	208.2836	-329.1673	0.0138	44.6984	54.2353
0.8246	0.0345	225.3359	-360.1815	0.0159	45.7648	54.521
0.8011	0.0373	239.4634	-382.8627	0.0164	45.8891	55.1415
0.3416	0.0087	2.6572	-0.6208	0.0066	22.6635	22.2128
0.7101	0.0075	22.8606	-41.596	-0.0001	21.1852	23.9717
0.6617	0.0116	23.0261	-43.2516	0.0001	23.5354	26.4243
0.6312	0.0138	22.9158	-43.8034	0	23.903	28.286
0.6069	0.0142	23.1917	-44.2449	0.0001	24.3844	29.8275
0.5894	0.0144	24.1298	-44.1897	0.0001	25.1144	31.0636
0.5776	0.0144	25.5647	-44.1897	0.0001	25.9582	32.1225
0.5702	0.0143	29.2621	-44.1897	0.0002	26.978	33.0877
0.5654	0.0136	29.9795	-44.5208	0.0001	27.7339	33.989

0.5576	0.0139	29.7036	-44.9071	0.0001	28.6243	34.7524
0.5477	0.0142	29.7036	-45.1831	0.0002	29.582	35.4468
0.5352	0.0144	29.3724	-45.3486	0.0003	30.7106	36.0919
0.5211	0.0148	29.538	-46.1764	0.0003	31.6217	36.7125
0.5098	0.0148	29.8139	-45.8453	0.0003	32.2584	37.2838
0.502	0.015	29.7587	-46.8938	0.0005	32.7502	37.8403
0.4995	0.015	30.145	-47.5009	0.0008	33.123	38.3279
0.4991	0.0152	30.3106	-47.9423	0.001	33.4646	38.7809
0.5024	0.0153	30.2554	-48.3286	0.001	33.563	39.1552
0.5094	0.0153	30.6969	-48.6046	0.0013	33.6407	39.4458
0.5202	0.0155	30.9728	-48.5494	0.0013	33.7597	39.825
0.5336	0.0154	31.3591	-48.9909	0.0016	33.8788	40.1944
0.5478	0.0153	31.3591	-49.1564	0.0017	34.0237	40.5096
0.5625	0.0153	32.0214	-49.6531	0.0016	34.091	40.7263
0.5785	0.0148	32.6284	-50.6464	0.0016	34.06	40.8839
0.5937	0.0147	32.9595	-51.695	0.0014	34.091	40.879
0.6087	0.0145	33.6769	-51.9709	0.0014	33.9461	40.9233
0.6232	0.0145	34.3391	-52.5779	0.0013	33.7183	40.7411
0.6357	0.0146	34.6702	-52.9642	0.0013	33.6976	40.746
0.6464	0.0145	35.6084	-53.792	0.0014	33.6096	40.7952
0.6556	0.0144	36.1051	-54.675	0.0014	33.6821	40.8445
0.6625	0.0146	36.381	-55.8891	0.0015	33.8581	41.1449
0.6693	0.0145	36.6017	-56.9928	0.0016	34.148	41.6374
0.6743	0.0148	37.4295	-58.0413	0.0017	34.4379	42.0117
0.6768	0.0147	38.3125	-59.0898	0.0019	34.6657	42.4057
0.6781	0.0149	38.4229	-60.3591	0.002	34.9452	42.7898
0.6783	0.0151	38.9747	-61.3524	0.0021	35.1626	43.2183
0.6773	0.0152	39.8025	-61.9043	0.0024	35.5302	43.5729
0.6753	0.0155	40.1888	-62.6217	0.0025	35.8046	43.9718
0.6727	0.0163	40.5751	-63.7806	0.0028	36.1721	44.2919
0.6695	0.0161	41.8444	-64.7739	0.003	36.6432	44.8632
0.665	0.0161	42.617	-65.988	0.0032	36.9849	45.2326
0.6591	0.0162	43.3344	-66.8158	0.0034	37.399	45.6512
0.6516	0.0164	43.4999	-68.3058	0.0035	37.7355	46.0452
0.6439	0.0166	44.4381	-69.0232	0.0036	37.9581	46.3259
0.6358	0.0166	44.7692	-70.6236	0.0037	38.2015	46.6411
0.6261	0.0168	45.8729	-71.5065	0.0038	38.5017	47.0449
0.6153	0.0169	46.3144	-72.9965	0.0038	38.7243	47.4389

0.6039	0.0171	47.4733	-74.6521	0.0039	38.9883	47.8083
0.5921	0.0173	48.7425	-75.7558	0.0042	39.2627	48.089
0.578	0.0176	49.9566	-77.908	0.0043	39.387	48.4584
0.5631	0.018	51.1707	-80.1706	0.0048	39.5319	48.6455
0.5455	0.0187	52.8814	-82.5436	0.0052	39.6458	48.6751
0.5263	0.019	53.5989	-83.3162	0.0056	39.7183	48.6505
0.505	0.0198	55.2544	-85.7996	0.0059	39.8736	48.8081
0.4816	0.0205	57.1307	-87.8966	0.0067	40.1635	49.1282
0.4571	0.0215	58.6759	-90.2696	0.0073	40.4586	49.3055
0.4301	0.0225	60.0556	-93.6359	0.008	40.7381	49.4384
0.4013	0.0235	62.3182	-96.34	0.0089	41.0901	49.8423
0.3706	0.0245	63.3667	-100.5341	0.0099	41.5819	50.32
0.337	0.0255	65.6845	-104.1211	0.0109	42.1048	50.9011
0.2533	0.012	65.9052	-102.3552	0.0052	42.4465	51.1769
0.2072	0.0007	66.9537	-100.3685	0.0003	42.6432	51.3099
0.2073	0.0008	68.7197	-101.4722	0.0002	42.2239	51.433
0.1739	0.0229	71.0926	-110.8537	0.0103	40.8727	51.8172
0.1272	0.0303	72.8586	-115.5445	0.0173	41.9081	52.0486
0.1165	0.0235	73.3001	-117.2001	0.0126	41.8511	52.1915
0.0566	0.0358	88.8623	-106.3285	0.0213	41.7631	50.6253
0.0689	0.0568	95.4294	-106.9356	0.0337	42.4775	49.5025
0.0772	0.0529	125.8366	-81.6607	0.034	41.8563	45.7842
0.3944	0.0077	27.0933	3.4518	0.0058	18.7172	23.117
0.7563	0.006	24.7921	-40.4371	-0.0003	19.7874	24.4051
0.6982	0.0121	26.8339	-47.1146	-0.0002	24.0479	26.3652
0.6831	0.0135	26.9443	-48.5494	-0.0001	24.2602	28.3401
0.6743	0.0143	27.9376	-49.2668	-0.0003	24.8038	29.8521
0.6717	0.0141	28.5999	-49.5979	-0.0002	25.5855	31.0784
0.6757	0.014	28.931	-50.4257	-0.0003	26.5173	32.1619
0.6831	0.014	30.2554	-50.4257	-0.0001	27.3974	33.0779
0.6901	0.0142	31.5247	-51.3087	-0.0001	28.1635	33.8659
0.6949	0.0144	32.7939	-51.8605	-0.0002	28.8624	34.5948
0.6967	0.0149	33.401	-52.0261	0	29.67	35.3286
0.697	0.0148	34.008	-53.0746	0	30.3326	36.1067
0.6966	0.015	33.8425	-53.7368	0.0001	30.9021	36.8996
0.6972	0.0149	34.1736	-54.5094	0.0002	31.4094	37.5793
0.7003	0.0155	34.3391	-55.3924	0.0003	31.8753	38.2638
0.7069	0.0155	34.1184	-55.6131	0.0005	32.0876	38.8745

0.7183	0.0162	34.3943	-56.3857	0.0007	32.3827	39.3916
0.7297	0.0162	34.6702	-56.2753	0.001	32.5017	39.8546
0.7418	0.017	44.4933	-55.7787	0.0012	32.6415	40.2338
0.7566	0.0164	37.9814	-56.4409	0.0012	32.6519	40.485
0.7721	0.0157	37.7606	-57.0479	0.0014	32.6105	40.8937
0.7862	0.0156	38.3125	-57.5998	0.0013	32.6519	41.14
0.8003	0.0152	38.478	-58.4828	0.0012	32.7244	41.3517
0.8144	0.0149	38.9747	-59.5313	0.0011	32.7658	41.5389
0.8277	0.015	39.4714	-59.6417	0.0012	32.7554	41.6916
0.8409	0.0146	39.8025	-60.0831	0.001	32.802	41.8147
0.8532	0.0145	40.5751	-61.5732	0.001	32.8589	41.8048
0.8656	0.0146	41.0718	-62.0698	0.0011	32.89	41.8492
0.8762	0.0148	41.6788	-62.732	0.0013	32.9677	42.0462
0.8844	0.0149	42.3962	-64.0013	0.0013	33.1385	42.1841
0.8917	0.0151	43.0033	-65.9328	0.0014	33.3818	42.4205
0.8991	0.0148	43.9414	-66.2087	0.0015	33.563	42.6322
0.9055	0.0151	44.3829	-67.478	0.0018	33.7597	42.8686
0.9106	0.0152	45.1003	-68.5817	0.0017	33.9202	43.1493
0.9169	0.0155	45.8177	-69.4095	0.002	34.1221	43.499
0.9207	0.0157	46.3144	-70.5132	0.0022	34.3602	43.7551
0.9239	0.0159	46.9766	-72.1136	0.0023	34.5725	43.9373
0.928	0.0163	48.0803	-73.5484	0.0025	34.8054	44.2279
0.9301	0.0164	48.4666	-74.7625	0.0026	35.0902	44.5923
0.9331	0.0165	49.184	-75.9765	0.0027	35.5302	45.1095
0.9345	0.0167	50.0118	-77.2458	0.0028	36.0375	45.7201
0.9352	0.0163	50.8948	-79.0117	0.0028	36.4362	46.3358
0.9357	0.0166	51.7225	-81.6606	0.0028	36.8244	46.8627
0.9367	0.017	53.2126	-82.7092	0.003	37.2645	47.3503
0.9373	0.0173	53.7092	-84.0888	0.0033	37.7925	47.8428
0.9378	0.0172	55.0889	-86.1307	0.0035	38.1083	48.286
0.9365	0.0176	56.1374	-87.5655	0.0036	38.5638	48.7933
0.9374	0.0181	57.2963	-90.2144	0.0037	38.9314	49.1627
0.9359	0.0182	59.3933	-92.1459	0.0039	39.3197	49.532
0.9364	0.0185	60.9937	-94.7396	0.0042	39.6458	49.8915
0.9357	0.0186	62.9252	-97.4989	0.0045	39.9875	50.2511
0.9332	0.0191	65.4085	-100.8652	0.0047	40.2877	50.6155
0.9317	0.0202	67.2848	-103.9004	0.005	40.6346	50.8913
0.9299	0.0207	69.2163	-106.3285	0.0057	40.9866	51.0292

0.9274	0.0212	71.1478	-109.75	0.0061	41.2506	51.1523
0.9253	0.0222	73.576	-113.006	0.0069	41.5975	51.2311
0.9229	0.0226	75.8386	-117.3656	0.0077	41.8822	51.4429
0.9197	0.0238	77.8253	-123.2153	0.0084	42.2808	51.7876
0.9158	0.0251	80.4742	-127.5749	0.0094	42.5863	52.0289
0.9127	0.0262	83.7853	-132.7624	0.0107	42.9331	52.4082
0.9045	0.0283	87.8138	-140.0468	0.0123	43.2437	52.6101
0.8999	0.0299	90.9594	-145.3447	0.0136	43.6993	52.9401
0.893	0.0316	94.6016	-150.6976	0.0156	44.0772	53.2257
0.8863	0.0331	96.7539	-155.4436	0.0176	44.4913	53.3833
0.8757	0.0357	99.8442	-162.0658	0.0201	45.0194	53.4621
0.863	0.0379	101.8861	-169.1847	0.0224	45.8011	53.7576

0.2121	0.0033	-44.7747	-60.6681	0.0026	27.1876	26.1089
0.679	0.0085	41.1269	-35.4153	-0.0004	20.5898	26.8824
0.6678	0.0113	24.5713	-36.0223	-0.0004	23.3491	28.8868
0.6591	0.0133	22.088	-36.7949	-0.0004	23.9444	30.6647
0.6543	0.0137	22.0328	-39.223	-0.0003	24.8245	32.1914
0.6566	0.0135	22.4743	-41.0994	-0.0003	26.0669	33.5605
0.665	0.0136	23.578	-41.9271	-0.0003	27.2887	34.7425
0.6758	0.0136	24.9024	-42.2582	-0.0004	28.1273	35.8112
0.6855	0.0139	27.3306	-42.3686	-0.0005	28.9142	36.7076
0.6929	0.0142	31.0832	-42.479	-0.0002	29.3439	37.5842
0.6976	0.0145	35.7188	-43.362	-0.0004	29.7114	38.1309
0.6999	0.0152	41.9547	-44.0242	-0.0001	30.0169	38.7218
0.7016	0.0156	45.8729	-44.4105	0	30.2757	39.3325
0.7035	0.0162	52.4951	-45.5694	-0.0001	30.5345	39.825
0.7097	0.0149	33.5114	-45.6797	0.0001	30.752	40.4062
0.7153	0.0152	33.2354	-45.8453	0.0003	31.1661	40.8543
0.7216	0.0159	33.0699	-46.1212	0.0004	31.4664	41.2828
0.7307	0.0156	33.5114	-45.9557	0.0007	31.6838	41.731
0.7404	0.0161	33.7873	-46.1212	0.0008	31.8391	42.0856
0.751	0.0161	33.9528	-46.8938	0.0011	31.9012	42.4106
0.7622	0.0161	34.1184	-47.3905	0.0013	32.0669	42.775
0.7739	0.0164	34.5047	-48.6046	0.0013	32.2326	43.0656
0.786	0.016	35.0014	-49.4875	0.0013	32.4034	43.2232
0.7986	0.0156	35.6636	-49.9842	0.0012	32.5639	43.4596
0.8102	0.0155	36.2154	-50.4809	0.0011	32.7295	43.7157

0.822	0.0153	36.988	-51.6398	0.0011	32.9262	44.0555
0.8336	0.0154	37.7054	-53.0746	0.0011	33.0764	44.287
0.8444	0.0155	38.3125	-54.1231	0.001	33.2162	44.4889
0.855	0.0155	39.2506	-55.0613	0.0011	33.3197	44.7007
0.8646	0.0155	39.9681	-55.9994	0.0012	33.6096	45.011
0.8727	0.0157	41.0166	-57.1583	0.0011	33.8218	45.3409
0.8803	0.0158	41.6788	-58.6483	0.0013	34.0341	45.6906
0.8868	0.0159	42.7273	-60.3039	0.0013	34.2722	45.9418
0.893	0.0158	44.0518	-62.125	0.0014	34.4327	46.2274
0.8977	0.016	45.2659	-63.9461	0.0015	34.6708	46.5721
0.9015	0.0164	46.6455	-65.9328	0.0017	34.8417	46.9711
0.9069	0.0164	48.1355	-68.0298	0.0017	35.0902	47.4291
0.9111	0.0164	49.4048	-69.7406	0.0021	35.4215	47.9019
0.9142	0.0166	51.1707	-72.2791	0.0023	35.7269	48.2417
0.9161	0.0171	52.6055	-74.4314	0.0023	36.0324	48.5175
0.9183	0.0175	54.6474	-76.694	0.0024	36.3999	48.8622
0.92	0.0176	56.027	-79.2877	0.0025	36.8037	49.1725
0.9216	0.0179	58.5104	-81.9366	0.0025	37.1402	49.5566
0.9221	0.018	61.38	-85.6892	0.0025	37.5544	49.9506
0.9216	0.0184	63.6978	-89.3866	0.0027	37.9789	50.3151
0.9213	0.0185	67.0089	-94.1326	0.003	38.3775	50.6844
0.9219	0.0194	70.596	-98.7681	0.0034	38.9366	51.2607
0.9212	0.0198	74.6245	-103.9004	0.0038	39.4077	51.7975
0.9198	0.0207	78.653	-109.9708	0.0043	40.0134	52.3146
0.9173	0.0217	83.5645	-116.4275	0.005	40.5207	52.876
0.9153	0.0224	88.6968	-123.6016	0.0056	41.0125	53.3784
0.9117	0.0233	93.222	-131.769	0.0064	41.5405	53.8315
0.9063	0.0245	99.182	-142.9717	0.0077	42.11	54.2698
0.9011	0.0255	106.1354	-153.2361	0.0085	42.6794	54.8608
0.8958	0.0268	113.0888	-162.7832	0.0096	43.0677	55.2301
0.8905	0.0281	119.5454	-172.7718	0.0111	43.6423	55.4025
0.883	0.0298	125.4503	-184.0296	0.0128	44.1393	55.5847
0.8744	0.032	133.5074	-194.0182	0.0147	44.6777	55.7226
0.8631	0.0351	140.2952	-205.1656	0.0172	45.2886	56.1018
0.8498	0.0374	147.1382	-216.865	0.0194	46.0755	56.4269
0.8326	0.0403	153.4845	-228.0676	0.0217	46.5776	56.5845
0.4485	0.0017	11.4482	2.9055	0.0011	15.8891	22.1242
0.7797	0.0052	19.8806	-32.1041	-0.0003	19.0109	24.5824

0.7283	0.0111	21.9224	-38.3953	-0.0001	23.8202	26.641
0.7129	0.0123	21.9776	-40.4923	-0.0001	24.2654	28.2269
0.7015	0.013	22.6398	-41.7616	-0.0001	24.5553	29.5221
0.694	0.013	22.9709	-42.5342	0	25.0885	30.3643
0.69	0.0129	23.2469	-42.6997	-0.0002	25.7097	31.0833
0.689	0.0131	24.0746	-42.8101	-0.0003	26.3827	31.7925
0.6909	0.0132	25.3991	-42.9205	-0.0001	27.0764	32.4032
0.6923	0.0135	25.5647	-43.0308	0	27.7442	33.0089
0.6922	0.0136	25.3991	-43.086	0.0001	28.4483	33.6049
0.6911	0.0139	26.0613	-43.1964	0.0001	29.0798	34.1072
0.6886	0.0141	26.558	-43.8586	0.0003	29.7114	34.5307
0.6855	0.0142	26.7787	-44.3553	0.0004	30.2188	34.9888
0.6829	0.0147	26.9995	-44.576	0.0006	30.6847	35.3975
0.6822	0.0149	27.0547	-45.1831	0.001	30.9901	35.7423
0.6843	0.0152	27.4961	-44.7416	0.0013	31.2231	36.0575
0.6876	0.0158	27.9376	-45.2934	0.0017	31.4353	36.2692
0.6939	0.0164	28.655	-44.7968	0.0022	31.6683	36.5155
0.7001	0.0172	29.3173	-45.3486	0.0025	31.7977	36.7519
0.7063	0.0179	30.0899	-45.2934	0.0029	31.953	36.9242
0.7151	0.0187	33.1802	-44.9623	0.0034	32.1187	37.1114
0.7254	0.019	41.0166	-44.9071	0.0038	32.2843	37.2936
0.7347	0.0187	33.2354	-45.7901	0.0041	32.481	37.5399
0.7446	0.019	33.3458	-45.4038	0.0046	32.6312	37.727
0.7552	0.0192	33.5114	-45.6797	0.0049	32.7968	37.9142
0.7649	0.0191	33.8425	-46.8386	0.0051	33.0453	38.254
0.7758	0.0191	33.8425	-47.6664	0.0054	33.3352	38.6824
0.7858	0.0195	34.2288	-48.1079	0.0055	33.6407	39.037
0.7949	0.0196	34.6151	-49.1564	0.0058	33.8736	39.4212
0.8036	0.0202	34.7806	-49.9842	0.006	34.1376	39.7364
0.8129	0.0205	35.2221	-50.205	0.0064	34.4017	40.0516
0.8198	0.0213	35.2221	-51.1983	0.0069	34.7071	40.4062
0.8276	0.0217	35.5532	-51.3638	0.0075	35.0229	40.7361
0.8347	0.022	35.6084	-52.8539	0.0078	35.3438	41.0464
0.8413	0.0226	35.9947	-53.4609	0.0085	35.6596	41.3616
0.8471	0.023	36.6017	-54.0127	0.009	35.9029	41.6817
0.8522	0.0234	37.0432	-54.675	0.0094	36.0893	41.9329
0.8577	0.0233	37.5951	-55.6683	0.0096	36.2239	42.0856
0.8617	0.0238	38.3125	-56.0546	0.0103	36.3637	42.2235

0.8654	0.0243	39.0299	-56.6617	0.0106	36.4517	42.322
0.8678	0.025	39.7473	-57.7102	0.011	36.5293	42.3958
0.871	0.0254	40.0232	-58.3724	0.0116	36.6795	42.4549
0.8714	0.0259	40.244	-59.2554	0.012	36.8658	42.5485
0.8727	0.0268	41.0718	-59.752	0.0127	37.0729	42.7209
0.874	0.0272	41.2925	-59.9728	0.0131	37.2903	42.844
0.8746	0.0281	42.0099	-60.8006	0.0138	37.5388	43.0016
0.8749	0.0287	42.341	-62.2354	0.0144	37.8443	43.1937
0.8767	0.0291	43.0584	-62.6217	0.0148	37.984	43.2922
0.875	0.0295	43.5551	-63.3943	0.0154	38.1393	43.302
0.8743	0.0302	44.0518	-64.3324	0.0159	38.3878	43.4793
0.8734	0.0308	44.9347	-65.7672	0.0164	38.5794	43.6074
0.8742	0.0311	45.8729	-66.4295	0.017	38.7347	43.8043
0.8714	0.032	46.2592	-67.2021	0.0178	38.9832	44.0013
0.8692	0.033	47.2525	-68.1954	0.0186	39.2058	44.2476
0.8661	0.0341	47.8596	-69.1887	0.0197	39.5423	44.617
0.8634	0.0352	48.2459	-70.6787	0.0204	39.9875	45.1045
0.8606	0.0359	48.577	-71.341	0.021	40.4586	45.6413
0.8574	0.0367	48.9633	-72.2791	0.0221	40.8934	46.1092
0.8546	0.0372	49.3496	-73.9899	0.023	41.2765	46.6362
0.8494	0.0383	49.6807	-74.9832	0.0237	41.6337	47.109
0.8446	0.0398	50.5637	-76.9147	0.0251	41.9857	47.5473
0.8405	0.0411	50.6188	-78.4047	0.0263	42.2705	47.9954
0.8343	0.0425	51.1707	-79.6188	0.0278	42.5293	48.3648
0.828	0.0447	51.7226	-81.4399	0.0297	42.7933	48.7096
0.8206	0.0473	53.2126	-82.1573	0.0327	43.0781	49.0986
0.8118	0.0498	54.7026	-83.3714	0.0354	43.078	49.335
0.8009	0.053	55.5303	-84.3647	0.0389	43.2437	49.4335
0.7877	0.0574	56.3581	-86.7929	0.0427	43.6475	49.665
0.774	0.0612	55.9718	-87.7862	0.0475	44.2118	49.9014
0.7581	0.0651	56.3029	-88.7796	0.0522	44.6311	50.0984
0.7373	0.0708	56.5237	-90.6007	0.0575	44.9935	50.3594
0.7118	0.077	56.9652	-91.594	0.0633	45.3869	50.5416
0.6799	0.0847	56.91	-94.2981	0.0701	45.6354	50.6894
0.3858	0.0012	2.3095	-4.8922	0	18.447	22.3325
0.7548	0.0065	52.3296	-85.1925	-0.0003	19.1092	25.3507
0.6808	0.0136	59.5037	-88.7244	-0.0001	22.5725	27.0301

0.6498	0.0151	58.8415	-88.7244	-0.0001	23.4423	28.3401
0.6257	0.0156	59.9452	-90.6007	0	24.0997	29.532
0.6073	0.0161	62.5389	-92.2011	-0.0001	24.9384	30.6844
0.5967	0.0161	65.243	-94.9603	0	26.0255	31.7038
0.5947	0.016	68.8852	-97.6092	0.0001	27.3094	32.7381
0.5975	0.0158	72.9689	-101.8033	0.0001	28.6553	33.6886
0.5987	0.0163	77.8804	-108.5911	0.0003	29.6752	34.516
0.5969	0.0166	82.8471	-113.006	0.0004	30.7209	35.2892
0.5911	0.0174	84.7786	-116.6482	0.0008	31.5492	35.959
0.5824	0.0182	86.5446	-118.7453	0.0015	32.3413	36.55
0.5709	0.019	87.9242	-121.4493	0.0025	33.0246	37.1163
0.5595	0.0202	89.1935	-122.8842	0.0034	33.5785	37.6285
0.5499	0.021	89.8005	-124.5949	0.0044	33.9668	38.057
0.5437	0.0218	91.5664	-125.5331	0.0052	34.2929	38.451
0.5396	0.0228	91.9527	-126.3609	0.0062	34.5207	38.7809
0.5376	0.0236	92.8909	-127.4646	0.007	34.7174	39.0912
0.5375	0.0241	93.829	-127.6301	0.0075	34.94	39.3473
0.539	0.0245	95.1535	-127.2438	0.008	35.2041	39.5689
0.5392	0.0254	96.9746	-129.065	0.0087	35.4215	39.8693
0.5401	0.026	98.575	-130.9412	0.009	35.8201	40.2239
0.5407	0.0266	99.6235	-132.5416	0.0097	36.0168	40.4209
0.5414	0.0272	101.3343	-135.4113	0.0104	36.3533	40.7657
0.5414	0.0287	103.3761	-137.3428	0.0115	36.5811	41.0858
0.5409	0.0295	106.8528	-140.3228	0.0127	36.9331	41.5044
0.5394	0.0308	109.1706	-143.5787	0.0138	37.3628	41.9624
0.5382	0.032	112.5369	-145.9517	0.0147	37.7873	42.3958
0.5365	0.0327	115.9584	-149.0421	0.0158	38.2688	42.8686
0.5342	0.0341	119.9317	-152.6843	0.017	38.6467	43.2922
0.5306	0.0359	124.5121	-157.8165	0.0185	39.009	43.696
0.5256	0.0376	128.5407	-163.5007	0.0203	39.4128	44.09
0.5197	0.0394	132.7348	-169.6814	0.0224	39.7493	44.4741
0.5114	0.0417	138.8052	-176.414	0.0248	39.9875	44.7302
0.5024	0.0445	143.0545	-184.0296	0.0273	40.2101	44.8287
0.492	0.0476	147.0278	-190.9278	0.0304	40.412	44.9371
0.4799	0.051	152.436	-199.3712	0.0341	40.5259	45.1045
0.4652	0.0552	158.4512	-210.629	0.0385	40.7174	45.2473
0.4476	0.06	164.8527	-221.1694	0.0434	40.9038	45.3902
0.4287	0.0642	172.3579	-234.2484	0.0477	41.0487	45.3951

0.407	0.0695	181.1876	-248.5966	0.053	41.1937	45.1735
0.3807	0.0757	197.5777	-271.2226	0.0588	41.2662	45.4493
0.3509	0.0819	213.6366	-295.7801	0.065	41.3231	45.3852
0.3175	0.0893	226.4948	-318.1302	0.0722	41.4163	45.4148
0.2795	0.097	234.1656	-343.1293	0.0805	41.5819	45.5625
0.237	0.1051	243.6575	-359.8505	0.0889	41.6648	45.6561

0.2118	0.0077	0.706	-2.8113	0.005	25.002	23.1303
0.1753	0.0111	66.8372	-100.096	0	25.2196	26.3406
0.1354	0.0151	80.404	-117.9618	0.0001	24.5015	27.6999
0.1139	0.0155	79.1199	-118.4084	0.0002	24.8449	29.0345
0.1013	0.0157	78.7291	-121.6466	0.0005	25.5371	30.2017
0.0952	0.0164	79.3991	-124.6614	0.0011	26.5103	31.2557
0.0971	0.0171	80.1249	-127.2855	0.0019	27.4938	32.1175
0.1056	0.018	80.2924	-131.9194	0.0028	28.5294	32.8563
0.119	0.0192	81.5765	-140.9081	0.0036	29.7732	33.4522
0.1311	0.0216	82.3023	-188.4199	0.005	31.4437	33.9398
0.1359	0.0242	82.3581	-245.5903	0.0068	32.0162	34.3584
0.167	0.0181	72.6436	-152.9675	0.0054	30.3925	32.2505
0.1646	0.0241	90.621	-130.8028	0.0085	32.3649	35.3138
0.1524	0.0272	89.8952	-132.366	0.011	32.7864	36.156
0.1424	0.0286	89.1136	-134.0968	0.0124	33.2652	36.8947
0.1351	0.0295	89.2253	-135.4367	0.0135	33.9209	37.4611
0.1317	0.0302	89.6161	-137.67	0.0144	34.332	37.9437
0.1334	0.0314	89.4486	-139.0657	0.0151	34.6286	38.3574
0.1421	0.0322	90.1744	-141.0756	0.0159	34.8472	38.7071
0.1587	0.0328	91.1235	-142.5272	0.0168	34.9929	39.042
0.1818	0.0334	91.7935	-143.1972	0.0174	35.1022	39.3424
0.21	0.0342	92.5751	-142.918	0.018	35.1959	39.5541
0.2431	0.0345	93.4684	-143.1413	0.0181	35.2791	39.7561
0.28	0.0341	94.4733	-143.0855	0.0176	35.2999	40.0171
0.3185	0.0337	96.0366	-143.6996	0.0171	35.3312	40.1845
0.355	0.0332	97.9348	-144.5929	0.0163	35.4092	40.3471
0.3893	0.0323	100.4472	-147.2728	0.0158	35.5498	40.5391
0.4198	0.0312	102.6804	-148.1661	0.0149	35.7059	40.7706
0.4476	0.0305	104.9695	-149.4502	0.0142	35.8204	40.9627
0.4757	0.0277	106.0302	-151.7392	0.0128	35.6018	41.1153

0.4998	0.0266	106.4769	-152.6884	0.0121	35.4925	41.2237
0.5204	0.026	107.1469	-152.8559	0.0115	35.4665	41.3567
0.537	0.0254	107.8727	-153.135	0.0111	35.5185	41.5143
0.5535	0.0247	108.431	-154.7541	0.0106	35.5498	41.5635
0.5676	0.0242	110.4967	-157.6573	0.0102	35.633	41.8295
0.5799	0.0235	109.1009	-158.2714	0.0094	35.6278	41.9477
0.5912	0.0231	109.4359	-158.6064	0.0091	35.7007	42.0659
0.6005	0.0224	107.8727	-157.3781	0.0086	35.862	42.4057
0.6086	0.0216	105.0253	-155.6474	0.0079	35.9921	42.8046
0.6143	0.0213	106.2536	-155.759	0.0076	36.1534	43.1346
0.6198	0.021	107.3144	-158.2156	0.0074	36.3668	43.5039
0.6239	0.0206	109.3242	-159.053	0.0072	36.575	43.8782
0.6282	0.0204	108.4868	-157.7131	0.007	36.6998	44.2427
0.6292	0.0202	109.8825	-160.0021	0.0071	36.8039	44.5283
0.6292	0.0202	110.7758	-161.5096	0.0069	36.9705	44.8928
0.6273	0.02	112.1158	-163.8545	0.0067	37.163	45.2572
0.6229	0.0198	113.7907	-165.5294	0.0067	37.4076	45.5478
0.6181	0.0206	115.8006	-168.5442	0.0072	37.5637	45.8531
0.6112	0.0213	117.5313	-171.1682	0.0077	37.7823	46.2323
0.6027	0.0222	117.9221	-173.7923	0.0084	38.0633	46.5623
0.5926	0.0233	120.0995	-177.0863	0.0095	38.4224	46.9908
0.5819	0.0244	120.9928	-178.817	0.01	38.7242	47.2321
0.5683	0.0255	121.9978	-181.0503	0.0111	39.0677	47.5128
0.5535	0.0266	124.0077	-183.5626	0.012	39.5829	48.025
0.5381	0.0279	125.0685	-185.74	0.0132	40.0721	48.4682
0.5205	0.0292	127.0784	-188.699	0.0144	40.4208	48.8327
0.5	0.0306	129.1999	-190.8764	0.0158	40.8163	49.1676
0.4784	0.0322	129.9815	-194.8962	0.0174	41.2222	49.4581
0.4546	0.0339	131.8239	-199.4185	0.0194	41.6489	49.8472
0.4287	0.0357	132.4939	-206.5648	0.0212	42.0392	50.2363
0.4016	0.0375	135.2854	-214.0461	0.0231	42.4816	50.6155
0.3715	0.0395	136.5695	-220.1875	0.0253	42.7834	50.8864
0.3384	0.0421	140.031	-224.9889	0.0275	43.2622	51.2656
0.3024	0.0444	141.2035	-230.8511	0.0307	43.5744	51.7138
0.2626	0.0468	144.33	-234.2568	0.0332	43.4964	51.9895
0.2198	0.0499	145.3907	-238.6673	0.0361	43.4027	52.3195
0.1726	0.0536	145.5024	-241.3472	0.04	43.4704	52.487
0.1216	0.0575	145.9491	-245.8137	0.044	44.1469	53.0632

0.0709	0.0602	147.7356	-247.3211	0.0476	44.839	53.6739
0.2008	0.0154	-4.1969	-7.3259	0.013	24.0985	22.625
0.1922	0.008	15.4105	-34.4771	0	24.4776	25.6905
0.1571	0.0111	23.1365	-39.6645	0	25.777	28.286
0.1401	0.0114	22.9709	-40.8234	0	26.8434	30.3889
0.1368	0.0115	24.6817	-41.8719	0	27.8012	32.0387
0.1418	0.0114	24.4609	-42.2583	-0.0001	28.4845	33.4374
0.1506	0.0117	26.8339	-42.2031	-0.0001	29.1316	34.5701
0.1631	0.0116	29.6484	-42.2031	-0.0001	30.3119	35.6586
0.1758	0.0116	29.7587	-42.8653	0	31.2075	36.5303
0.185	0.012	29.4828	-43.2516	0.0001	31.9012	37.2838
0.191	0.0124	29.4828	-44.6312	0.0001	32.3516	37.9289
0.195	0.0129	29.3173	-44.4657	0.0003	32.7192	38.4165
0.1988	0.0138	29.2621	-45.0175	0.0005	33.0298	38.8696
0.2063	0.0141	29.0413	-45.2383	0.0006	33.299	39.1503
0.2184	0.0142	29.4828	-45.7901	0.001	33.5009	39.4803
0.2358	0.0142	29.8139	-45.4038	0.0013	33.7131	39.7561
0.2576	0.0143	29.5932	-45.9005	0.0016	33.8633	39.9826
0.2833	0.0145	29.9795	-45.7349	0.0017	33.8633	40.352
0.3137	0.0145	30.0899	-46.066	0.0022	33.8425	40.5982
0.3468	0.0147	30.3658	-47.1146	0.0024	33.8529	40.7509
0.3821	0.0149	30.8625	-48.1079	0.0025	33.8788	40.9479
0.4178	0.0148	31.6902	-48.5494	0.0027	33.884	41.1351
0.4536	0.0149	31.911	-49.2116	0.0028	33.9254	41.4355
0.4893	0.015	32.5732	-49.5427	0.0028	33.9513	41.7753
0.5256	0.0147	33.3458	-50.4809	0.0028	34.1946	42.1447
0.5596	0.0145	33.3458	-52.4124	0.0027	34.6191	42.6371
0.5922	0.0144	33.6769	-52.6883	0.0027	35.1057	43.1395
0.6223	0.0145	34.3943	-53.4057	0.0027	35.4422	43.5975
0.65	0.0144	34.1736	-54.8405	0.0028	35.7269	44.0506
0.676	0.0143	34.9462	-55.889	0.0027	36.1152	44.42
0.6982	0.0146	35.6636	-56.6617	0.0027	36.462	44.8337
0.7192	0.0147	36.2154	-57.8205	0.003	36.84	45.203
0.7375	0.0149	36.7673	-58.262	0.003	37.135	45.6266
0.7536	0.015	36.8225	-58.9794	0.003	37.4146	46.055
0.7673	0.0151	37.5951	-60.2487	0.0033	37.8753	46.4145
0.7796	0.0152	37.9262	-60.8557	0.0033	38.2066	46.8726

0.7904	0.0153	38.2021	-62.4009	0.0035	38.5069	47.237
0.7993	0.0155	38.9195	-62.2906	0.0038	38.9417	47.503
0.8056	0.016	39.4714	-64.4428	0.004	39.0453	47.6212
0.8115	0.0165	40.244	-65.7121	0.0042	39.1747	47.8231
0.818	0.0169	40.851	-65.7121	0.0044	39.4025	48.0644
0.8221	0.0174	41.1821	-66.2639	0.0048	39.563	48.2368
0.8254	0.0178	42.0099	-66.8709	0.005	39.8322	48.4387
0.8282	0.0184	42.6721	-67.6436	0.0054	40.1221	48.6849
0.8308	0.0183	43.2792	-68.5265	0.0056	40.5207	48.877
0.8316	0.0189	43.9966	-69.7406	0.0058	40.9038	49.1429
0.8314	0.0187	44.4381	-70.6236	0.006	41.1678	49.3695
0.83	0.0194	45.4314	-71.0099	0.0061	41.4525	49.7044
0.8298	0.0198	46.4248	-71.1754	0.0064	41.7321	49.9014
0.8287	0.0203	47.1422	-71.948	0.0069	42.1048	50.3496
0.8267	0.0206	47.9148	-73.3277	0.0072	42.5966	51.108
0.8245	0.0212	48.577	-74.4314	0.0076	43.1919	51.7187
0.8214	0.0216	50.1222	-76.3077	0.008	43.7303	52.3737
0.817	0.0215	50.2325	-78.1288	0.0082	44.2221	52.9056
0.8144	0.0216	50.4533	-80.3914	0.0083	44.7812	53.5163
0.8102	0.0214	51.1707	-83.0403	0.0083	45.3093	54.1122
0.8035	0.0221	52.164	-85.9651	0.0086	45.6975	54.7081
0.7976	0.0226	54.9233	-87.8966	0.009	46.1324	55.1907
0.79	0.0233	56.4133	-90.38	0.0095	46.7122	55.6192
0.7809	0.0238	57.517	-92.1459	0.0106	47.3438	56.0526
0.7697	0.0247	57.7378	-95.0707	0.0116	47.8097	56.4909
0.7573	0.0261	59.5037	-98.3266	0.0125	48.2653	56.6633
0.744	0.0278	61.2696	-100.5341	0.0138	48.4775	56.8209
0.7273	0.0291	62.7596	-103.3485	0.0151	48.5137	56.7076
0.7049	0.0314	65.1878	-106.6596	0.017	48.6121	56.6978
0.6787	0.0334	67.3952	-110.026	0.0189	48.8761	56.8898
0.648	0.0361	69.5474	-112.3438	0.0218	49.2385	57.008
0.6102	0.0381	70.32	-115.8204	0.0243	49.7407	56.9933
0.5631	0.0403	71.1478	-118.966	0.0266	50.2118	57.1065
0.5018	0.0437	71.3686	-133.9212	0.0286	50.4033	56.8751
0.2184	0.0007	-1.9618	-3.7995	0	15.754	22.5719
0.2016	0.007	-1.6418	-44.6864	-0.0001	22.8676	26.316
0.1703	0.0098	-1.7521	-44.6864	-0.0001	23.846	28.0988

0.1532	0.0095	24.6265	-44.6864	0	24.0945	30.4234
0.1487	0.0093	25.7302	-44.6312	0	24.9228	31.8664
0.1526	0.0092	25.951	-44.852	0.0001	25.5699	33.0533
0.1592	0.0095	25.7302	-44.852	0.0001	26.1342	33.9545
0.1675	0.0099	21.9224	-43.1412	0	26.714	35.2202
0.1781	0.0101	24.6265	-43.5827	0	27.387	36.0722
0.1879	0.0108	25.2335	-43.5827	0.0002	28.0962	36.7519
0.194	0.0111	26.0061	-43.8034	0.0002	28.7019	37.5349
0.1988	0.0113	26.6684	-43.8034	0.0003	29.2041	38.2589
0.2043	0.0115	26.8339	-44.0794	0.0004	29.5768	39.1355
0.2123	0.0116	27.0547	-44.6312	0.0005	29.8926	39.7659
0.2243	0.0119	27.441	-44.7416	0.0007	30.079	40.2338
0.2432	0.0121	28.1584	-44.576	0.001	30.2291	40.682
0.2629	0.0126	31.1384	-44.6312	0.0012	30.3326	41.3025
0.2941	0.0125	33.9528	-44.7968	0.0013	30.3637	41.8393
0.3307	0.0123	33.4562	-45.4038	0.0014	30.4362	42.2727
0.3708	0.0125	33.7873	-45.1831	0.0016	30.6225	42.8341
0.4162	0.0123	33.8977	-46.6731	0.0015	30.752	43.3168
0.4622	0.0122	34.3943	-47.6664	0.0015	30.8555	43.8782
0.5104	0.0119	35.9395	-48.2183	0.0012	30.928	44.415
0.558	0.0116	36.3258	-49.9842	0.001	30.8141	44.7943
0.6064	0.0112	37.3191	-50.9224	0.0009	30.8244	45.203
0.6515	0.011	38.6436	-52.3572	0.0007	30.8555	45.7546
0.6921	0.0108	39.5266	-53.6264	0.0005	30.9176	46.2176
0.7276	0.0108	39.9681	-55.1716	0.0006	31.0212	46.7593
0.758	0.0109	40.6303	-56.9376	0.0006	31.1558	47.2469
0.7821	0.011	41.2373	-58.4828	0.0004	31.3628	47.6901
0.8082	0.0109	41.734	-60.635	0.0005	31.513	48.2565
0.8298	0.0107	42.8377	-62.1802	0.0005	31.7045	48.6997
0.8466	0.0112	43.224	-63.1183	0.0004	31.9789	49.1479
0.8626	0.011	43.9414	-64.9946	0.0004	32.2533	49.7192
0.8757	0.0109	44.9899	-66.7054	0.0003	32.569	50.1526
0.8843	0.0111	46.3696	-68.6921	0.0004	32.8538	50.6451
0.8945	0.0114	47.8044	-70.6236	0.0004	33.1488	51.0735
0.9013	0.0115	49.0185	-72.9965	0.0005	33.5475	51.5217
0.9074	0.0116	50.674	-74.7073	0.0005	33.9771	52.1964
0.9135	0.0118	51.9985	-76.5284	0.0004	34.3965	52.6495
0.9164	0.0118	53.7644	-79.0117	0.0006	34.7951	53.142

0.9229	0.012	54.8129	-81.4399	0.0006	35.2765	53.6345
0.9253	0.0122	56.7444	-83.0403	0.0007	35.8253	54.1516
0.9253	0.0125	57.517	-84.8614	0.0009	36.3999	54.7179
0.9351	0.0127	58.7863	-87.3999	0.001	37.0108	55.24
0.9368	0.013	59.7796	-88.8899	0.001	37.6475	56.0378
0.9355	0.0133	61.5456	-91.7044	0.0011	38.4914	57.0031
0.9403	0.0133	62.9804	-93.6911	0.0014	39.1229	57.796
0.9407	0.0135	64.36	-96.3952	0.0013	39.8166	58.456
0.9418	0.0137	66.3467	-100.0926	0.0013	40.443	59.0125
0.9437	0.0138	68.6645	-102.9622	0.0015	41.1678	59.6675
0.9443	0.0142	71.6445	-107.2115	0.0015	41.8718	60.2388
0.9441	0.0148	75.3971	-112.123	0.0016	42.4982	60.6919
0.943	0.0151	78.9842	-117.8071	0.0021	43.1505	61.0662
0.9433	0.0156	83.3438	-124.5949	0.0024	43.8598	61.5045
0.9416	0.0163	88.4209	-133.4246	0.0028	44.4396	61.8295
0.9387	0.0168	95.2087	-143.5787	0.0032	45.066	62.2235
0.9371	0.0181	104.2591	-156.9888	0.0042	45.7286	62.4402
0.9331	0.0196	116.5103	-175.3655	0.0053	46.1997	62.5633
0.9285	0.0218	129.3133	-194.7908	0.0069	46.5724	62.1004
0.209	0.0013	-1.7135	-3.1042	0.0008	18.4656	22.5674
0.1773	0.0102	21.812	-36.4638	0	22.6968	27.232
0.1422	0.0136	23.4676	-41.5408	-0.0001	23.9289	28.7588
0.1277	0.014	23.9091	-41.6512	0.0001	24.9332	30.4332
0.1253	0.0137	24.4058	-41.6512	0	26.0773	31.9846
0.1291	0.0137	24.9576	-41.9823	0	27.2006	33.2995
0.1369	0.0137	25.5647	-41.9823	0	28.1377	34.5455
0.1445	0.0142	29.7036	-41.7616	0.0001	28.9608	35.4862
0.1526	0.0142	31.3591	-42.6445	0.0002	29.6441	36.3185
0.1567	0.0148	31.028	-43.1412	0.0005	30.1773	36.9686
0.1577	0.015	31.8006	-43.3068	0.0009	30.664	37.6236
0.1557	0.0157	31.8006	-44.2449	0.0013	31.0419	38.1949
0.1534	0.0164	31.5799	-44.576	0.0018	31.368	38.6972
0.1528	0.017	31.9662	-44.576	0.0024	31.6734	39.1749
0.1572	0.0175	32.0213	-44.7416	0.0028	31.7977	39.5985
0.168	0.0176	33.5665	-44.9623	0.0034	31.9737	40.0762
0.1837	0.0183	33.5114	-44.6864	0.0041	32.1445	40.6278
0.2061	0.0189	33.6217	-44.9623	0.0045	32.2791	41.1203
0.2362	0.0189	33.8425	-45.1831	0.0049	32.4862	41.6719

0.2738	0.0188	33.6217	-45.9557	0.005	32.626	42.1644
0.3177	0.0183	34.3943	-46.5627	0.0048	32.6778	42.6371
0.3649	0.0179	35.1117	-47.8872	0.0046	32.7761	43.041
0.4126	0.0177	35.9395	-49.1012	0.0046	32.8797	43.4301
0.4594	0.0175	35.8291	-50.3153	0.0044	32.9469	43.7649
0.504	0.0175	36.7121	-51.0879	0.0043	33.1074	44.1589
0.5474	0.0173	37.3743	-51.7501	0.0042	33.2524	44.4101
0.588	0.0171	37.4295	-52.8539	0.0042	33.4284	44.814
0.6254	0.0173	38.0366	-53.2402	0.0042	33.6924	45.1882
0.6595	0.0172	38.5884	-54.675	0.0041	33.9668	45.5921
0.69	0.0171	39.1955	-55.9994	0.0041	34.179	46.0501
0.7184	0.0172	40.2992	-56.9376	0.0043	34.4379	46.4884
0.743	0.0174	41.0166	-58.0413	0.0046	34.7071	46.9218
0.7638	0.0175	42.1203	-59.3657	0.0046	34.9297	47.3404
0.7822	0.0174	43.0033	-60.9661	0.0046	35.1316	47.7492
0.7985	0.0175	44.2173	-62.2354	0.0047	35.3801	48.0545
0.8113	0.0179	45.2659	-63.2839	0.0049	35.6441	48.4387
0.8227	0.0181	45.9281	-65.3258	0.0052	35.8201	48.8967
0.8332	0.0186	46.7559	-66.7606	0.0058	36.0065	49.1626
0.8418	0.0194	47.9148	-67.4228	0.0064	36.3274	49.5911
0.849	0.0203	48.7977	-68.1954	0.007	36.6225	49.9556
0.8548	0.0209	49.4048	-69.4095	0.0076	37.047	50.4678
0.8595	0.0215	50.1222	-70.4028	0.0081	37.5492	51.0686
0.8631	0.022	50.8396	-71.7825	0.0084	38.0203	51.6448
0.8661	0.0222	51.7777	-73.6588	0.0088	38.4862	52.2407
0.8677	0.0226	52.9918	-74.7073	0.0091	38.921	52.7332
0.8694	0.0231	54.0403	-76.6388	0.0094	39.3921	53.2996
0.8697	0.0236	54.4818	-78.5151	0.0098	40.2101	53.7724
0.8685	0.0243	56.0822	-80.1706	0.0104	40.8468	54.2846
0.8671	0.0249	57.4066	-81.8262	0.0109	41.3386	54.7771
0.8667	0.0255	58.6759	-84.0336	0.0115	41.7062	55.304
0.8642	0.0262	60.1107	-86.4618	0.0121	42.141	55.6783
0.8616	0.0273	61.7111	-87.731	0.0128	42.6794	56.1954
0.8576	0.0279	63.6978	-89.3866	0.0133	43.1298	56.7273
0.8545	0.029	64.6359	-91.2629	0.0142	43.7562	57.7763
0.8502	0.0296	66.5674	-94.4085	0.0146	44.2066	58.2146
0.8462	0.03	68.1126	-97.2781	0.0153	44.6363	58.5988
0.8401	0.0312	70.5408	-100.5341	0.0162	45.0608	58.9041

0.8337	0.0323	73.576	-104.673	0.0174	45.4025	59.2489
0.8252	0.0337	75.2867	-109.0878	0.0191	45.7234	59.5345
0.8156	0.0355	77.3838	-113.7786	0.0204	46.1945	59.7808
0.8051	0.0369	79.9775	-119.0212	0.0216	46.4482	60.1649
0.7911	0.0389	84.1164	-125.1468	0.0235	46.676	60.3028
0.7722	0.0412	88.3657	-131.3275	0.026	47.0746	60.5195
0.7441	0.0445	91.6216	-138.612	0.0293	47.8873	60.9233
0.7142	0.0472	94.7672	-143.2476	0.0317	48.6121	61.2287
0.6815	0.0493	96.9746	-150.0906	0.0329	48.8968	61.5439
0.2096	0.0005	9.825	-1.9331	-0.0001	22.0466	21.6632
0.5299	0.0081	27.462	-31.8818	0	22.4459	23.8634
0.6199	0.0111	19.9333	-33.8747	-0.0001	25.4434	26.8824
0.6064	0.0137	21.3726	-33.8747	0	26.5675	28.9311
0.5963	0.0144	20.7084	-34.6497	0	27.5979	31.167
0.5937	0.0144	20.9851	-34.8712	0	28.5503	32.8563
0.5978	0.0143	21.428	-35.5355	0.0001	29.5078	34.2106
0.6043	0.0143	22.0369	-35.6462	0	30.3457	35.5157
0.611	0.0146	23.587	-35.8122	0	31.069	36.5844
0.6158	0.015	24.1405	-35.7569	0.0001	31.782	37.5793
0.617	0.0153	24.362	-36.0337	0.0002	32.5522	38.4707
0.6178	0.0157	24.6941	-36.7533	0.0003	33.2599	39.2439
0.6169	0.0158	24.9709	-38.6909	0.0004	33.874	40.0466
0.6164	0.0159	25.2477	-40.9052	0.0005	34.3892	40.8248
0.6185	0.0163	25.137	-41.6802	0.0006	34.79	41.5438
0.6242	0.0168	25.9674	-42.7874	0.001	35.0189	42.1151
0.6324	0.0171	26.687	-43.0088	0.0014	35.3364	42.6618
0.6384	0.0176	27.4067	-42.1231	0.0015	35.352	42.9425
0.647	0.0176	28.5692	-42.8427	0.0018	35.3988	43.4153
0.6615	0.0184	34.7139	-42.6213	0.0022	35.5185	43.7551
0.6807	0.0178	34.105	-43.2856	0.0023	35.4821	44.1343
0.6999	0.0177	34.105	-43.7838	0.0024	35.5133	44.4889
0.7196	0.0178	33.9943	-43.7285	0.0024	35.5914	44.7647
0.7409	0.0178	34.6032	-44.0606	0.0025	35.6694	44.942
0.7616	0.0175	34.8247	-44.116	0.0027	35.7527	45.3212
0.7802	0.0175	35.1015	-44.891	0.0027	35.8724	45.6709
0.7967	0.0176	35.489	-45.4445	0.0026	35.9817	46.0206
0.8124	0.0175	35.7657	-45.8321	0.0028	36.0493	46.2274

0.8267	0.0174	35.9318	-46.0535	0.0026	36.1534	46.5229
0.8394	0.0174	36.3747	-46.7731	0.0028	36.2939	46.8381
0.8509	0.0174	36.9283	-47.9357	0.0029	36.4188	47.0843
0.8605	0.0179	37.0943	-48.5446	0.0032	36.5906	47.3848
0.8694	0.0182	37.6479	-48.9321	0.0034	36.7883	47.6556
0.8758	0.0186	37.8694	-49.8178	0.0036	37.0225	47.9856
0.8836	0.0187	37.9247	-50.2607	0.0039	37.3035	48.5175
0.8904	0.0189	38.3676	-50.925	0.0042	37.5429	49.0592
0.8962	0.0191	38.6444	-52.1982	0.0044	37.8708	49.6699
0.9012	0.0195	39.0872	-52.7518	0.0047	38.209	50.1673
0.9056	0.0198	39.8069	-53.5822	0.0049	38.5161	50.65
0.9094	0.0201	39.9176	-54.8001	0.0053	38.719	51.1326
0.9117	0.0202	40.5265	-56.3501	0.0056	39.0105	51.5414
0.9151	0.021	41.523	-56.9037	0.0059	39.4112	52.0142
0.9188	0.0212	41.6891	-57.7894	0.0063	39.7911	52.7037
0.9215	0.0217	42.5194	-58.8412	0.0067	40.0409	53.0829
0.9234	0.0218	42.8516	-59.4501	0.007	40.5249	53.6443
0.9248	0.0224	43.5159	-59.893	0.0075	40.9048	54.2501
0.925	0.0228	43.9034	-61.3323	0.0076	41.3887	54.9642
0.9258	0.023	44.7337	-62.4395	0.0081	41.7634	55.5404
0.9271	0.0231	45.5641	-63.8788	0.0083	42.2526	56.156
0.9273	0.0236	46.2284	-64.7645	0.0086	42.3411	56.7421
0.9269	0.0238	47.2249	-66.4253	0.0088	42.8615	57.3232
0.9262	0.0237	48.7195	-68.0306	0.009	43.3299	57.8403
0.9244	0.024	49.7713	-69.47	0.0091	43.7462	58.4116
0.9238	0.0248	51.4321	-71.02	0.0095	44.1365	58.8302
0.9234	0.0253	52.7053	-72.4593	0.01	44.5788	59.3769
0.9225	0.0259	53.9785	-73.2897	0.0101	44.9639	59.8448
0.9207	0.0266	55.1964	-75.6147	0.0105	45.4271	60.2289
0.9203	0.0268	56.8572	-77.6076	0.0109	45.807	60.7805
0.919	0.027	57.5215	-79.9326	0.0112	46.1661	61.2237
0.9157	0.0274	58.9054	-82.5345	0.0117	46.5356	61.6522
0.9128	0.0281	60.5662	-85.6345	0.0123	46.9051	62.1693
0.9109	0.0285	61.8948	-88.3471	0.0131	47.2902	62.6077
0.9075	0.0296	63.3894	-92.0561	0.0139	47.6492	63.11
0.9028	0.0306	66.268	-94.9347	0.0152	48.076	63.632
0.8974	0.0322	68.3717	-99.2526	0.0166	48.56	63.9669
0.8906	0.0337	71.3056	-103.958	0.0181	49.0075	64.4299

0.8844	0.0352	73.4646	-107.2242	0.0196	49.429	64.681
0.8766	0.0365	75.845	-110.4903	0.0213	49.8298	65.0356
0.8684	0.038	77.2843	-114.7529	0.0231	50.5739	65.3853
0.8562	0.0396	78.7236	-119.4583	0.0249	51.5211	65.7547
0.8385	0.0422	80.5504	-130.8621	0.0263	52.0675	65.932
0.2701	0.0059	2.3139	-2.3089	0.0044	24.0606	24.6551
0.711	0.0094	27.8675	-33.1552	0	21.6444	25.5576
0.6884	0.0112	22.117	-34.1602	0	24.3454	28.1875
0.6751	0.0129	21.6703	-34.2718	0	25.5215	30.2313
0.6662	0.0136	23.2336	-34.6627	0	26.6352	31.9944
0.6632	0.0137	24.4619	-35.6676	0	27.8893	33.5408
0.665	0.0136	25.076	-35.3885	0.0001	28.9302	34.8755
0.6692	0.0137	25.076	-36.2259	0	29.7784	36.1067
0.6738	0.0139	25.8576	-36.3934	0.0001	30.6423	37.1902
0.6777	0.0142	26.8626	-37.0075	0	31.4073	38.1112
0.6796	0.0145	27.4209	-37.6775	0.0002	32.2868	39.0272
0.6798	0.0147	27.7559	-39.2966	0.0002	33.057	39.8496
0.6788	0.0149	27.5884	-41.3623	0.0003	33.8116	40.6475
0.678	0.0151	27.7	-41.9765	0.0006	34.384	41.3813
0.6787	0.0155	28.1467	-42.3114	0.0008	34.8888	42.0708
0.6835	0.0158	28.5375	-42.1998	0.0011	35.1907	42.6125
0.6895	0.0165	29.8216	-42.3114	0.0013	35.4613	43.2429
0.6975	0.0167	32.6689	-42.2556	0.0017	35.5914	43.7009
0.7076	0.0171	34.4555	-42.2556	0.0021	35.5758	44.0801
0.7198	0.0174	40.2619	-41.6973	0.0022	35.5185	44.3264
0.7364	0.0161	34.1205	-42.7581	0.002	35.404	44.7992
0.7526	0.016	33.5064	-43.0931	0.0019	35.4717	45.0996
0.7688	0.0159	33.6739	-43.7072	0.0019	35.4509	45.3557
0.7847	0.0157	33.953	-44.0422	0.0019	35.5185	45.73
0.7999	0.0152	34.3997	-44.1538	0.0018	35.5341	46.0846
0.8132	0.0152	35.0697	-44.6005	0.0017	35.633	46.5032
0.8265	0.0151	35.0697	-45.3821	0.0017	35.7579	46.8676
0.8401	0.0153	35.293	-44.9913	0.0017	35.8776	47.1976
0.8517	0.0152	35.5721	-45.3821	0.0018	35.9921	47.6458
0.862	0.0154	35.7955	-47.2245	0.0019	36.0806	47.9462
0.871	0.0154	36.6329	-48.0061	0.0021	36.2575	48.419
0.8786	0.0153	37.1912	-48.6203	0.0021	36.3928	48.7342

0.8858	0.0157	37.4145	-49.1786	0.0022	36.601	49.1971
0.8927	0.0157	37.6937	-50.351	0.0023	36.8299	49.6551
0.8993	0.0158	38.3637	-50.686	0.0024	37.1266	50.0442
0.9049	0.0157	39.0895	-51.3001	0.0024	37.418	50.5564
0.9096	0.016	39.2569	-52.3051	0.0024	37.7146	50.9898
0.9142	0.0159	39.4803	-52.9192	0.0025	38.0269	51.6153
0.9185	0.0155	39.9827	-54.0917	0.0024	38.4068	52.3047
0.9222	0.0154	40.7085	-54.985	0.0023	38.6722	52.9351
0.9252	0.0157	41.4343	-55.9341	0.0023	39.1718	53.6689
0.9268	0.0158	42.0485	-57.3857	0.0025	39.4892	54.2452
0.9303	0.0158	42.9976	-57.8881	0.0024	39.9732	54.8411
0.9321	0.0159	43.5559	-59.2839	0.0025	40.3687	55.3336
0.9336	0.0157	44.505	-60.1772	0.0025	40.8111	55.9689
0.9344	0.0158	45.2308	-61.4613	0.0025	41.3003	56.5155
0.935	0.0161	46.2916	-63.0804	0.0027	41.7634	57.0524
0.9353	0.0163	47.129	-64.1412	0.0027	42.2422	57.7221
0.9356	0.0163	48.0782	-65.4253	0.0028	42.7574	58.3082
0.9344	0.0169	49.0273	-66.8769	0.0031	43.283	58.8007
0.9351	0.017	50.7022	-68.7193	0.0032	43.8555	59.5197
0.9344	0.0176	52.2096	-70.8408	0.0034	44.3655	60.0467
0.933	0.0178	53.8287	-73.2415	0.0037	44.8963	60.8101
0.9334	0.0178	55.7828	-76.2005	0.0038	45.3699	61.4651
0.9328	0.0183	57.9043	-78.8246	0.004	45.9995	62.2629
0.9308	0.0185	60.1934	-82.1744	0.0044	46.5252	62.9622
0.93	0.0193	63.2082	-85.0218	0.0047	47.1236	63.568
0.9282	0.0201	65.7764	-89.1532	0.0054	47.6128	64.3166
0.9255	0.0205	68.8471	-93.3963	0.0059	48.1801	64.9815
0.924	0.0215	71.9178	-98.8677	0.0069	48.6068	65.469
0.921	0.023	75.4909	-104.1716	0.008	49.1168	66.0748
0.9176	0.0242	79.7899	-108.8614	0.009	49.5331	66.4983
0.9132	0.0256	82.9722	-112.9929	0.0106	49.8558	66.9268
0.9086	0.0273	86.6012	-119.0226	0.0121	50.3814	67.2715
0.9038	0.0293	90.5094	-124.7173	0.0139	50.8029	67.5818
0.8982	0.0311	95.0875	-131.6402	0.0155	51.3129	67.7443
0.8909	0.0332	100.6705	-138.7307	0.0177	51.7032	67.9906
0.8839	0.0356	105.6953	-146.7145	0.02	52.2549	68.3156
0.8748	0.0387	111.055	-154.3074	0.0228	52.9106	68.4732
0.8607	0.0421	115.019	-163.8544	0.0249	53.4206	68.5619

0.2346	0.003	0.4547	-4.3188	0.0023	25.2924	23.7509
0.6308	0.0077	24.406	-35.3326	-0.0003	20.9263	26.2372
0.5715	0.0114	24.8527	-35.8909	-0.0002	23.6532	29.2709
0.5448	0.0129	25.746	-36.1142	-0.0001	24.9698	31.4133
0.5312	0.0131	26.3601	-36.1142	-0.0002	26.224	33.0927
0.5304	0.0129	26.8067	-37.0075	-0.0002	27.4002	34.5406
0.538	0.0129	27.5325	-38.0125	-0.0001	28.2744	35.7964
0.5505	0.0129	27.9792	-38.0683	-0.0002	29.0603	36.8602
0.5649	0.0129	28.8166	-38.7941	-0.0002	29.8565	37.8206
0.5782	0.0129	29.0958	-40.6365	-0.0001	30.6371	38.6529
0.5871	0.0131	29.6541	-41.8648	0	31.4593	39.4113
0.5904	0.0135	29.9332	-42.3673	0	32.266	40.1451
0.5909	0.0139	30.3241	-42.4789	0.0004	33.005	40.7952
0.5925	0.0145	30.0449	-42.9256	0.0006	33.6919	41.3911
0.5978	0.0148	30.7149	-43.5397	0.0009	34.1655	42.0018
0.6086	0.0151	30.659	-43.5397	0.001	34.3996	42.5387
0.6248	0.0156	31.1615	-43.7072	0.0013	34.5245	43.1395
0.645	0.0159	31.7198	-43.7072	0.0016	34.6286	43.6714
0.6686	0.0162	31.9431	-44.6563	0.0017	34.5922	44.026
0.6936	0.0164	32.8364	-45.103	0.002	34.4881	44.3609
0.7196	0.0162	35.1255	-44.9913	0.002	34.3268	44.6564
0.7444	0.0163	37.7495	-45.2705	0.0019	34.1863	44.9272
0.7689	0.0161	46.0683	-45.8288	0.0018	33.9573	45.1292
0.7926	0.0148	44.0584	-46.8895	0.0015	33.5982	45.4296
0.8127	0.0145	44.2259	-48.3411	0.0015	33.4993	45.7448
0.8311	0.0142	44.84	-49.0111	0.0013	33.4057	46.0206
0.8478	0.0142	45.3425	-49.2902	0.0015	33.4473	46.2914
0.8623	0.0142	45.2866	-50.5185	0.0016	33.5149	46.6066
0.8754	0.0142	46.2916	-50.7977	0.0015	33.6294	46.8923
0.8868	0.0142	46.5707	-51.7468	0.0017	33.7283	47.2813
0.8959	0.0142	47.2965	-53.0867	0.0016	33.9157	47.5719
0.9052	0.0141	47.464	-54.5941	0.0016	34.0874	47.956
0.9133	0.0141	48.0223	-55.4316	0.0017	34.2747	48.3697
0.9205	0.0139	48.6923	-56.4924	0.0017	34.5037	48.8031
0.9263	0.0139	49.3064	-58.3348	0.0018	34.8004	49.271
0.9313	0.0139	49.9206	-59.5072	0.0018	35.0033	49.7438
0.9354	0.0139	50.423	-60.9588	0.0018	35.3104	50.2412

0.9391	0.0139	51.0372	-62.2988	0.0018	35.6382	50.8026
0.9419	0.014	51.763	-63.6387	0.0016	35.9036	51.2163
0.9444	0.0141	52.2655	-64.2528	0.0018	36.2055	51.6891
0.9467	0.0141	52.6563	-66.0394	0.0019	36.653	52.2555
0.9488	0.0142	53.3262	-68.4401	0.0019	37.0849	52.679
0.9506	0.0142	53.9962	-69.1101	0.0019	37.6002	53.3242
0.9514	0.0142	55.0012	-71.2316	0.0019	38.0737	53.9447
0.9529	0.0143	56.0061	-72.5716	0.0017	38.5005	54.6195
0.9532	0.0141	57.346	-74.6373	0.0017	39.0053	55.176
0.9538	0.014	58.9093	-76.5355	0.0018	39.5413	55.8408
0.9529	0.0142	60.5842	-79.6062	0.0016	39.9784	56.4318
0.9521	0.0143	62.8733	-82.1744	0.0018	40.452	57.1164
0.9499	0.0145	65.6089	-85.5243	0.0018	41.0192	57.7468
0.9468	0.0151	68.4563	-89.8232	0.002	41.4356	58.2294
0.9424	0.0156	71.4153	-94.513	0.0023	41.9664	58.6677
0.9376	0.0161	75.6584	-99.2027	0.0025	42.466	59.2144
0.9318	0.0168	80.3482	-105.0649	0.0028	43.0332	59.6379
0.9272	0.0174	85.4288	-111.3179	0.0031	43.5849	60.0763
0.9214	0.0182	92.6867	-119.7484	0.0034	44.1885	60.6426
0.9164	0.0189	98.9956	-129.7979	0.0041	44.7662	61.3075
0.9102	0.0196	107.3143	-140.9639	0.0048	45.323	61.795
0.9026	0.0206	118.5921	-154.2516	0.0058	45.9319	62.2531
0.8932	0.0218	128.6416	-169.3817	0.0073	46.6032	62.5338
0.8815	0.024	140.1985	-186.2425	0.0085	47.4099	63.0952
0.8679	0.0258	154.7144	-204.5549	0.0102	47.9459	63.6025
0.8526	0.0275	169.342	-223.9281	0.0116	48.7057	63.7847
0.8322	0.0296	185.9795	-249.6101	0.0136	49.096	63.504
0.806	0.032	200.7188	-274.6781	0.0152	49.4811	63.0066
0.7776	0.0326	216.4072	-273.1148	0.0149	50.1732	63.4104

0.3391	0.0081	-70.0927	-93.3573	0.0062	25.5454	25.1959
0.7235	0.0072	25.6901	-30.4195	-0.0003	22.9507	26.4588
0.7001	0.0107	21.8378	-32.4294	0	24.8606	29.4285
0.6881	0.0124	21.782	-33.7135	0	25.7921	31.7334
0.6821	0.0127	21.6703	-34.4393	0.0001	26.9214	33.659
0.6818	0.0127	22.2845	-34.4393	0.0002	28.0507	35.3138
0.6847	0.0127	23.4569	-34.9418	0.0002	28.9354	36.8011
0.6886	0.0126	23.5686	-35.6118	0	29.6847	38.0471

0.6917	0.0128	23.9594	-36.1701	0	30.3925	39.0814
0.6935	0.0134	24.6852	-38.3475	0.0002	31.1211	40.0269
0.6943	0.0135	25.0202	-39.0174	0.0002	31.7768	40.7509
0.6935	0.0139	25.2435	-40.3574	0.0004	32.3961	41.4552
0.6925	0.0143	25.1318	-41.139	0.0005	33.0154	42.1644
0.6923	0.0148	25.6901	-41.3065	0.0006	33.4837	42.8144
0.6947	0.0151	25.9693	-41.9765	0.0009	33.8064	43.3759
0.699	0.0154	26.4718	-41.8648	0.0011	34.0926	43.9422
0.7073	0.0156	27.5325	-42.1998	0.0014	34.28	44.4003
0.7176	0.0162	29.4308	-41.9765	0.0015	34.4205	44.8386
0.7304	0.0163	34.3439	-41.139	0.0016	34.535	45.272
0.7458	0.0156	41.7693	-40.804	0.0017	34.3996	45.6857
0.7618	0.0147	34.958	-41.8648	0.0017	34.2487	46.0747
0.7782	0.0145	35.1813	-42.3673	0.0016	34.1238	46.4934
0.7949	0.0142	35.4046	-42.7023	0.0014	33.9521	46.8233
0.8114	0.014	35.628	-43.0372	0.0014	33.9365	47.2075
0.8276	0.0136	35.6838	-43.7072	0.0014	33.8949	47.5276
0.8422	0.0139	36.0746	-43.9864	0.0014	33.8949	47.8132
0.856	0.0137	36.9121	-44.4888	0.0013	33.9729	48.1678
0.8682	0.0136	37.3029	-44.9355	0.0014	34.103	48.68
0.879	0.0137	37.3587	-45.4379	0.0014	34.2695	49.1134
0.8888	0.0134	37.7495	-46.0521	0.0013	34.561	49.5665
0.8974	0.0134	38.0845	-47.3362	0.0014	34.6911	50.0688
0.9052	0.0134	38.8103	-48.6761	0.0015	34.8472	50.5958
0.9117	0.0135	39.0895	-49.4577	0.0015	35.071	51.172
0.9179	0.0135	39.8711	-50.6302	0.0015	35.2791	51.7384
0.9236	0.0136	40.0386	-51.1326	0.0015	35.5497	52.3047
0.9294	0.0134	40.5969	-52.0818	0.0016	35.8256	52.8711
0.934	0.0136	41.0435	-52.8634	0.0015	36.0702	53.4916
0.9378	0.0135	41.8251	-53.98	0.0013	36.3512	54.0088
0.9409	0.0135	41.9368	-54.5941	0.0013	36.7831	54.5997
0.9437	0.0135	42.4951	-55.5991	0.0014	37.0485	55.1612
0.946	0.0135	43.1092	-56.3807	0.0014	37.4909	55.7965
0.948	0.0135	43.6676	-57.2182	0.0013	37.9124	56.4712
0.9502	0.0134	44.2259	-58.5581	0.0011	38.2923	57.141
0.9514	0.0134	44.9517	-59.9539	0.001	38.7034	57.8157
0.954	0.0132	46.4591	-61.0146	0.001	39.2082	58.451
0.9558	0.0134	47.4082	-63.192	0.0011	39.5465	59.2144

0.957	0.0135	48.7481	-64.7553	0.0012	40.0201	59.8497
0.9581	0.0136	50.1439	-67.491	0.0011	40.5821	60.7017
0.9596	0.0138	51.9305	-69.3334	0.0014	41.0921	61.4306
0.96	0.0141	53.5496	-71.7899	0.0014	41.6281	62.0462
0.9605	0.0145	55.6711	-74.5256	0.0015	42.0601	62.7111
0.9606	0.0153	58.0718	-76.9263	0.0018	42.4868	63.3365
0.961	0.0156	60.2492	-79.9412	0.0019	43.0332	64.0457
0.9604	0.0161	63.3199	-83.626	0.0021	43.5901	64.5481
0.959	0.0166	67.0605	-88.3716	0.0024	44.1677	65.2622
0.9579	0.0174	71.527	-94.0663	0.0027	44.8026	65.9073
0.9565	0.0182	76.3284	-100.4868	0.0032	45.2293	66.2767
0.9558	0.0196	82.5256	-108.3589	0.0038	45.9111	66.848
0.9552	0.0203	89.3369	-117.5151	0.0046	46.4055	67.2863
0.9539	0.0208	96.5391	-127.6204	0.0055	46.8582	67.6508
0.9507	0.0224	103.6295	-137.8933	0.0066	47.3838	67.9512
0.9464	0.0235	111.3341	-148.7244	0.0077	48.1384	68.5028
0.9439	0.0254	119.9879	-159.9463	0.0089	48.4611	68.7589
0.9388	0.0276	131.7123	-172.3407	0.0106	48.9867	69.2267
0.9363	0.0287	141.5384	-181.3852	0.0119	49.4342	69.798
0.9326	0.0306	152.3696	-191.7139	0.0133	49.684	69.9704
0.9244	0.0341	162.0282	-204.2757	0.0147	50.1212	70.192
0.9169	0.0364	170.682	-216.1677	0.0162	50.7457	70.5368
0.9084	0.0394	181.4014	-231.856	0.0183	51.3285	70.7387
0.901	0.0412	191.6742	-247.8794	0.0203	51.7865	70.7091

0.2838	0.0112	14.1221	-4.8715	0.0104	22.7024	24.1986
0.7509	0.006	35.628	-50.2952	-0.0001	21.9775	26.7691
0.6894	0.0098	39.4803	-60.0097	0.0001	25.6412	29.1429
0.6754	0.0113	39.3686	-61.3496	0.0001	26.708	31.103
0.6697	0.0116	41.4343	-61.2938	0	27.9726	32.7036
0.6691	0.0117	41.9926	-62.2988	0.0001	28.977	34.1417
0.6702	0.0119	42.2718	-63.3037	0.0001	29.7056	35.3089
0.6717	0.0121	42.8859	-64.1412	0.0001	30.3196	36.2939
0.6746	0.0121	43.5559	-64.6995	0.0001	30.8453	37.0868
0.6771	0.0124	44.3375	-64.8111	0.0002	31.4593	37.7713
0.6788	0.0126	45.4541	-66.0952	0.0002	32.0162	38.4116
0.6793	0.0129	45.6775	-66.3744	0.0002	32.6146	39.106

0.6801	0.0133	45.9566	-66.6535	0.0003	33.1142	39.8053
0.6824	0.0134	46.1799	-66.486	0.0003	33.541	40.3717
0.6866	0.0135	47.6874	-66.5419	0.0004	33.9105	40.9479
0.6927	0.014	47.9107	-66.9885	0.0006	34.2227	41.465
0.7018	0.0141	48.0782	-67.3235	0.0007	34.3944	41.8787
0.7144	0.0144	49.4739	-67.6585	0.0009	34.5922	42.2678
0.7283	0.0147	51.0372	-67.6027	0.0011	34.7379	42.6421
0.7435	0.0143	55.8386	-67.2118	0.0011	34.7691	42.844
0.7598	0.0132	49.1948	-68.6634	0.0012	34.7431	43.1592
0.7755	0.0129	49.6973	-69.1659	0.0012	34.6859	43.4104
0.7908	0.0131	50.1439	-69.9475	0.0013	34.7119	43.6172
0.8065	0.0131	50.3672	-70.5058	0.0012	34.7483	43.9127
0.8215	0.013	50.5347	-70.8408	0.0013	34.8212	44.218
0.836	0.013	51.093	-71.3991	0.0013	34.9148	44.5529
0.8496	0.0131	51.5397	-71.9016	0.0013	35.123	44.9715
0.8624	0.0129	52.4329	-73.1299	0.0014	35.2843	45.4197
0.8732	0.013	53.0471	-74.2465	0.0013	35.4405	45.7349
0.8834	0.0129	53.8287	-74.9723	0.0014	35.633	46.1437
0.8923	0.0127	54.2754	-76.1447	0.0013	35.836	46.5771
0.9003	0.0127	54.8895	-77.4288	0.0014	36.0962	47.0302
0.9074	0.0128	55.727	-78.2104	0.0015	36.3095	47.4783
0.9137	0.0129	56.5644	-79.6062	0.0015	36.5541	47.961
0.9195	0.0129	57.7368	-79.8295	0.0015	36.8091	48.3944
0.9244	0.013	57.7369	-80.7787	0.0017	37.0225	48.8524
0.9291	0.0132	58.5185	-81.7836	0.0017	37.3972	49.2612
0.9331	0.0132	58.8535	-82.5652	0.0016	37.5221	49.7438
0.9368	0.0133	59.3559	-82.5094	0.0018	37.8135	50.192
0.9394	0.0135	59.8026	-84.296	0.0018	38.2455	50.7731
0.9415	0.0135	60.6959	-84.8543	0.0018	38.5161	51.1819
0.9437	0.0134	61.8125	-85.4126	0.0018	38.9064	51.6399
0.9452	0.0134	62.3708	-87.1992	0.0017	39.3383	52.1127
0.9478	0.0133	62.7616	-88.4833	0.0017	39.6506	52.6002
0.9497	0.0135	64.0457	-90.0465	0.0018	40.0201	53.0583
0.9515	0.0136	64.8831	-91.1073	0.0017	40.4832	53.6788
0.9534	0.0135	65.7764	-93.0614	0.0016	40.91	54.2796
0.9547	0.0135	67.0047	-94.6246	0.0017	41.4304	54.9543
0.9557	0.0136	67.9538	-96.132	0.0017	41.7634	55.6094
0.9567	0.0138	69.6287	-98.5886	0.0018	42.1537	56.1413

0.9573	0.014	70.857	-100.3193	0.0018	45.6197	56.6534
0.9579	0.0145	72.5319	-101.3243	0.002	48.6953	57.0277
0.9578	0.0149	73.6485	-103.1109	0.002	49.351	57.5498
0.9585	0.0155	75.156	-105.5116	0.0024	49.8454	58.0324
0.9588	0.0159	77.5008	-108.3031	0.0027	50.3814	58.3969
0.9585	0.0166	79.7341	-110.8155	0.0031	50.8133	58.8105
0.9578	0.0174	82.5256	-114.9469	0.0036	51.2869	59.2735
0.9563	0.0182	85.7079	-119.0225	0.0041	51.5679	59.5887
0.9563	0.019	87.9412	-124.159	0.0048	51.9166	60.0368
0.9553	0.0197	91.626	-129.407	0.0054	52.2705	60.2979
0.9539	0.0205	95.4224	-135.66	0.0062	52.5619	60.6672
0.9515	0.0215	99.2747	-142.8622	0.0071	53.0615	61.0366
0.9502	0.0225	103.7412	-151.2368	0.0081	53.202	61.2238
0.9491	0.0239	110.4408	-158.4389	0.0093	53.3269	61.273
0.9457	0.0259	116.5822	-167.4276	0.0111	50.5531	61.3124
0.941	0.0281	122.1094	-180.1569	0.0131	55.9498	62.2087
0.9346	0.0306	128.7533	-190.8764	0.015	56.6939	62.6274
0.9316	0.0326	136.737	-200.3676	0.0173	57.2196	62.913
0.9258	0.0355	142.2642	-210.9196	0.02	57.6827	63.0164
0.9214	0.0389	148.1264	-223.2023	0.0227	58.3228	63.0952

0.3708	0.009	6.9869	3.5246	0.0059	20.6837	24.0346
0.7667	0.0059	23.6802	-24.7248	-0.0002	21.0512	27.0941
0.7189	0.0116	22.0053	-32.5411	0	25.3706	29.5812
0.7073	0.0131	23.1219	-32.9319	0.0001	26.7236	31.8664
0.7014	0.0136	23.0103	-33.6019	0.0001	27.9674	33.8314
0.7015	0.0134	23.5127	-34.4393	0	29.2476	35.5206
0.7053	0.0131	23.8477	-34.6068	0.0002	30.3457	37.0129
0.7097	0.0134	24.7968	-34.8301	0.0003	31.095	38.2737
0.7141	0.0137	25.5785	-35.2768	0	31.8809	39.303
0.7176	0.0138	26.4718	-35.1093	0.0001	32.7135	40.2239
0.7188	0.0142	26.3601	-35.7793	0.0003	33.5306	41.0858
0.7186	0.0145	26.3601	-36.5609	0.0005	34.2852	41.8935
0.7173	0.0149	27.4767	-37.7892	0.0006	34.9877	42.6864
0.7157	0.0155	27.365	-38.9616	0.001	35.5758	43.302
0.7168	0.0161	27.5325	-39.9107	0.0014	35.9713	43.8733
0.7218	0.0165	28.2583	-39.6316	0.0018	36.2471	44.4101
0.7285	0.0172	28.8166	-39.0733	0.0023	36.5177	44.8878

0.7368	0.0177	30.1007	-39.1291	0.0027	36.7259	45.3852
0.7463	0.018	31.7198	-40.4132	0.003	36.679	45.7595
0.7576	0.0181	36.5212	-40.134	0.0029	36.4657	46.0994
0.7733	0.0168	45.845	-39.7432	0.0026	36.2679	46.5327
0.7905	0.0157	39.0336	-41.3623	0.0024	36.0702	46.779
0.8061	0.0155	39.2569	-41.6973	0.0023	36.0233	47.0154
0.821	0.0151	39.5919	-42.1439	0.0022	36.0181	47.3257
0.8348	0.0149	39.9827	-42.5906	0.002	35.9609	47.5325
0.8474	0.0147	40.3177	-43.0931	0.0019	35.8828	47.8182
0.8592	0.0149	40.3177	-43.7072	0.0019	35.9453	48.2121
0.8701	0.0149	40.5969	-44.2097	0.0019	35.9661	48.3944
0.8783	0.0149	40.876	-44.6563	0.0019	35.9869	48.6899
0.8866	0.015	40.9877	-44.8238	0.002	36.0858	49.01
0.8943	0.015	41.4902	-45.1588	0.002	36.3408	49.4581
0.9006	0.0152	41.4902	-45.4379	0.002	36.601	50.0097
0.9072	0.0148	42.216	-45.8846	0.002	36.7727	50.5466
0.9129	0.0149	42.3834	-47.0012	0.002	37.0017	51.108
0.9181	0.0146	42.7184	-48.3411	0.002	37.2151	51.5611
0.9233	0.0144	43.2209	-49.0111	0.002	37.4909	52.1619
0.9275	0.0142	43.6117	-49.7927	0.0019	37.7615	52.7628
0.931	0.0141	43.8909	-50.9093	0.0017	38.1154	53.4719
0.9337	0.014	44.4492	-51.9701	0.0017	38.3964	54.0679
0.9352	0.0142	44.6725	-53.1984	0.0015	38.7034	54.5899
0.9377	0.0143	45.2308	-53.8683	0.0017	39.0885	55.2991
0.939	0.0139	46.1241	-55.2641	0.0015	39.4892	55.8655
0.941	0.0141	46.7382	-56.604	0.0015	39.9004	56.5402
0.9427	0.014	47.2965	-57.1623	0.0016	40.3583	57.1016
0.9434	0.0142	48.0782	-58.7256	0.0016	40.7642	57.7468
0.9439	0.0144	48.6365	-59.7305	0.0015	41.3315	58.6726
0.9445	0.0143	49.8647	-61.3496	0.0014	41.9195	59.5148
0.9452	0.0144	51.763	-62.9687	0.0015	42.4243	60.3619
0.9456	0.0145	52.5446	-64.7553	0.0015	42.9864	61.076
0.9456	0.0147	53.717	-66.7652	0.0015	43.4443	61.8738
0.9454	0.0152	55.2803	-69.1101	0.0015	43.9908	62.5338
0.9467	0.0152	57.5135	-71.9016	0.0016	44.5372	63.2183
0.9464	0.016	59.8026	-75.5306	0.0019	44.9848	63.8783
0.9461	0.0162	62.4824	-78.7688	0.0021	45.552	64.3264
0.9455	0.0167	65.6089	-82.1186	0.0025	46.0464	65.0455

0.944	0.0175	68.6796	-86.585	0.0029	46.6553	65.7547
0.9417	0.0183	72.8111	-91.6656	0.0035	47.2798	66.3752
0.9414	0.0192	76.3284	-96.6903	0.0041	47.7013	66.9317
0.938	0.0204	80.7948	-103.4458	0.0049	48.1176	67.5473
0.9353	0.0217	84.9263	-109.978	0.0059	48.7577	68.1432
0.9348	0.0229	90.3977	-117.5151	0.0069	49.4447	68.8377
0.9315	0.0246	96.5391	-126.5039	0.0082	49.9911	69.1479
0.9275	0.0265	103.5179	-136.4975	0.0099	50.6312	69.6798
0.922	0.0284	111.3341	-148.2219	0.0115	51.0683	70.0689
0.9158	0.0306	119.4854	-158.7739	0.0132	51.2453	69.7389
0.9093	0.0328	129.1999	-172.6199	0.0153	51.2244	69.0248
0.8995	0.0363	139.4727	-189.5365	0.0177	51.5991	68.8081
0.8932	0.0391	151.4763	-206.1182	0.0204	51.8802	68.9214
0.8835	0.0419	163.0332	-220.5224	0.0228	52.2497	69.207
0.8703	0.0459	174.5901	-238.3324	0.0251	52.8533	69.5518

0.3369	0.0072	-32.3066	-42.7581	0.0064	23.6016	24.7437
0.7138	0.0072	61.2542	-82.956	0	21.5976	26.0993
0.6852	0.0107	59.021	-83.961	0	24.132	28.2712
0.6713	0.0123	60.1934	-85.0776	0.0001	25.178	29.8669
0.663	0.0128	61.4775	-85.4684	0.0001	26.1928	31.1129
0.6603	0.0127	62.8732	-86.6967	0.0002	27.2596	32.1028
0.6618	0.0127	62.8174	-87.4783	0	28.6491	32.9696
0.6661	0.0126	63.6549	-88.1483	-0.0001	30.2572	33.6984
0.6713	0.0129	63.4874	-88.5391	0.0001	31.1471	34.2845
0.6761	0.0129	64.4365	-89.9907	0.0002	31.8653	34.8065
0.678	0.0136	65.4973	-91.0515	0.0001	32.8072	35.3384
0.6783	0.014	64.4923	-91.6098	0.0004	33.6346	35.8408
0.6768	0.0146	63.934	-91.2748	0.0006	34.5506	36.2791
0.6768	0.0151	64.4923	-90.8281	0.0009	35.3468	36.7913
0.679	0.0157	63.8782	-91.5539	0.0013	35.9765	37.2
0.6844	0.0161	63.3757	-92.0006	0.0018	36.398	37.5793
0.6923	0.0164	65.5531	-91.8331	0.0022	36.8768	37.8698
0.7018	0.017	67.7863	-92.6147	0.0026	37.6314	38.1506
0.7128	0.0174	66.5022	-93.0055	0.003	37.7927	38.3722
0.7264	0.0168	68.4563	-92.0564	0.0031	38.183	38.6677
0.7429	0.0159	66.3906	-93.2289	0.0031	38.8387	38.8548

0.7597	0.0155	67.228	-94.178	0.003	38.8127	38.9878
0.7763	0.0152	67.4513	-94.6246	0.0028	38.8283	39.17
0.7927	0.0151	68.4005	-95.7412	0.0027	38.9792	39.2981
0.8087	0.0148	68.233	-95.2946	0.0024	39.1198	39.4803
0.8233	0.0147	68.1213	-95.2946	0.0025	39.2967	39.6329
0.8361	0.0146	68.1772	-95.2388	0.0026	39.4788	39.7462
0.8484	0.0145	68.7355	-95.7412	0.0025	39.5465	39.9137
0.8603	0.0143	69.0146	-96.6345	0.0026	39.8431	40.0762
0.8698	0.0143	69.7962	-97.0253	0.0026	40.0513	40.3027
0.8791	0.0144	70.3545	-97.9744	0.0027	40.3115	40.48
0.887	0.0144	70.8012	-98.8119	0.0028	40.6393	40.7558
0.8937	0.0144	72.0295	-99.9285	0.0028	40.8839	40.9676
0.8999	0.0143	72.1969	-101.2684	0.0029	41.1025	41.2188
0.9054	0.0146	72.4203	-102.2734	0.0029	41.42	41.4502
0.9102	0.0146	73.1461	-103.1109	0.0031	41.93	41.6916
0.9147	0.0148	74.2627	-104.2275	0.0031	42.2006	41.9772
0.9201	0.0145	74.3743	-104.1716	0.0031	42.8563	42.1791
0.924	0.0146	74.7093	-104.2833	0.0031	43.6161	42.5731
0.9274	0.0148	74.6535	-104.06	0.0031	44.1625	42.8883
0.93	0.0147	75.3793	-104.7299	0.003	44.7193	43.3316
0.932	0.0146	75.3793	-105.4557	0.0031	45.3074	43.6861
0.9338	0.0147	75.7701	-106.2374	0.003	45.6977	44.0161
0.9359	0.015	76.2726	-106.9073	0.0031	46.1765	44.4594
0.937	0.0149	76.1051	-107.5215	0.0031	46.7073	44.9371
0.9378	0.015	76.7192	-107.8565	0.0031	47.3422	45.4985
0.9389	0.0148	76.9425	-108.8056	0.0031	47.8522	46.0009
0.9392	0.0152	77.8917	-111.0946	0.0031	48.4038	46.3998
0.9394	0.0157	79.1758	-111.9879	0.0033	48.9555	46.907
0.9396	0.0157	80.0691	-113.7187	0.0033	49.5591	47.3601
0.9394	0.0162	81.074	-114.1095	0.0035	50.1524	47.8822
0.9397	0.0167	82.1906	-115.7286	0.0036	50.678	48.4239
0.9385	0.0174	83.6422	-118.1293	0.004	51.1568	48.8228
0.9395	0.0178	86.2104	-120.53	0.0042	51.6512	49.2267
0.9382	0.0187	87.7737	-123.8798	0.0049	52.0103	49.6059
0.9376	0.0193	91.2352	-127.8438	0.0055	52.4006	49.8669
0.936	0.0205	94.0825	-132.366	0.0064	52.6712	50.1526
0.9338	0.0212	98.0465	-138.3957	0.0072	53.2957	50.4776
0.9309	0.0223	99.5539	-143.9788	0.0083	53.4154	50.5268

0.9286	0.0238	104.467	-150.511	0.0096	44.6517	50.7879
0.9265	0.025	109.3242	-156.2615	0.0109	43.4912	51.0046
0.9236	0.0266	112.5624	-164.2453	0.0124	44.048	51.3936
0.9183	0.0288	117.7547	-173.7365	0.0141	44.6153	51.8221
0.9116	0.0313	123.5052	-183.1718	0.0164	45.2398	52.1767
0.9048	0.0339	130.0932	-192.663	0.0189	45.8694	52.3983
0.8981	0.0364	136.1229	-200.5351	0.0213	46.5356	52.7874
0.8891	0.0391	141.371	-208.9097	0.0239	46.8634	53.1174
0.881	0.0423	147.5681	-219.5733	0.0269	46.7021	53.6049
0.8687	0.0464	152.537	-232.526	0.0309	46.7229	54.0235
0.2092	0.0014	-1.4155	-3.4518	0.0006	16.6578	20.6482
0.215	0.0095	33.9528	-105.9974	0.0003	22.7434	23.9126
0.2169	0.0173	48.7977	-68.8024	-0.0001	22.469	25.6364
0.224	0.018	48.9081	-68.6921	0.0002	22.7278	27.1138
0.2369	0.0183	50.0118	-68.8576	0.0001	23.3698	28.6356
0.2539	0.0188	51.3914	-69.9061	0.0004	24.0428	29.9555
0.2732	0.0191	52.4951	-71.1202	0.0004	24.9384	31.1129
0.2969	0.0194	54.9785	-72.831	0.0007	26.0307	32.2554
0.325	0.0191	56.1926	-75.1488	0.0007	27.1955	33.2798
0.3578	0.0189	58.0137	-77.301	0.001	28.5363	34.383
0.3866	0.0193	59.4485	-79.0669	0.0015	30.1256	35.5305
0.4071	0.0212	60.7178	-81.1088	0.0028	31.72	36.742
0.4172	0.0235	62.2078	-83.1507	0.0045	33.0971	37.8846
0.4188	0.026	62.9804	-84.3095	0.0066	34.2101	38.909
0.4155	0.0279	63.6978	-85.9651	0.0085	35.0643	39.7807
0.4083	0.03	63.5322	-86.8481	0.0105	35.6596	40.5785
0.3988	0.032	63.2011	-87.8966	0.0126	36.1928	41.3419
0.3906	0.0337	63.753	-88.8348	0.0144	36.5242	41.9575
0.387	0.0351	64.4152	-89.8833	0.0159	36.7519	42.4943
0.3893	0.0362	66.5122	-89.9385	0.0172	36.9694	42.9967
0.3937	0.0373	68.0023	-89.9385	0.0183	37.0625	43.2528
0.4077	0.0389	68.6093	-90.3248	0.0197	37.0988	42.6913
0.4206	0.0399	69.2715	-91.0974	0.0207	37.1816	42.9425
0.4345	0.0408	69.8786	-91.5388	0.0217	37.2386	43.1986
0.4497	0.0417	70.2097	-92.5322	0.0227	37.4094	43.6123
0.465	0.0425	71.5341	-93.967	0.0239	37.632	43.9964
0.4802	0.0432	71.9204	-95.7329	0.0248	37.8184	44.1836
0.4935	0.044	73.8519	-97.2781	0.0255	38.1549	44.4938

0.5067	0.0447	75.5075	-99.8167	0.0263	38.4655	44.7992
0.5211	0.0454	76.7215	-102.3	0.0272	38.7295	45.0898
0.5331	0.0464	78.4323	-104.5626	0.0283	39.0556	45.4099
0.546	0.047	79.9775	-107.4323	0.0289	39.2524	45.6709
0.5585	0.0478	81.909	-109.75	0.03	39.5216	45.9368
0.5708	0.0493	84.8338	-111.4056	0.0311	39.7079	46.1585
0.5828	0.051	85.9375	-114.5512	0.0328	39.9875	46.4047
0.5926	0.0528	87.1516	-116.8689	0.0346	40.2256	46.7297
0.6016	0.0552	90.0212	-119.6282	0.0368	40.4741	46.907
0.6092	0.0573	92.5598	-122.9945	0.0386	40.7744	47.1681
0.6163	0.059	95.4846	-125.9746	0.0407	41.0021	47.4291
0.6215	0.0613	98.299	-130.1135	0.0428	41.2403	47.5719
0.6255	0.0637	101.2791	-134.0316	0.0454	41.4422	47.7147
0.6272	0.0668	104.5902	-137.5635	0.0483	41.7321	47.9166
0.6285	0.0693	107.9013	-142.7509	0.051	41.965	47.9905
0.6278	0.0727	111.6539	-147.7728	0.0543	42.229	48.1038
0.6258	0.0764	115.4617	-152.4084	0.0579	42.4051	48.158
0.6238	0.0797	119.0488	-155.9402	0.0616	42.5397	48.3057
0.6201	0.0841	121.8632	-159.5825	0.0658	42.7571	48.3599
0.6147	0.0882	125.2295	-163.9421	0.0704	42.8917	48.4682
0.6076	0.0935	128.2647	-167.8603	0.0763	42.9486	48.5618
0.5983	0.0991	131.6311	-172.3303	0.0828	42.8606	48.6603
0.586	0.106	133.5074	-176.9659	0.0902	42.902	48.7194

0.3526	0.0122	3.2982	-3.3281	0.0101	19.1896	21.4948
0.7594	0.0061	19.3244	-30.83	-0.0003	21.6757	24.7203
0.7026	0.0107	21.8709	-35.8122	-0.0002	25.9274	27.69
0.6856	0.0124	22.203	-36.5873	-0.0001	27.0307	29.6699
0.6734	0.0132	21.8155	-37.5283	-0.0001	28.4149	31.5216
0.6683	0.0131	22.3137	-38.4141	-0.0003	29.4089	33.1173
0.6694	0.0131	22.7012	-37.6944	-0.0001	30.0178	34.511
0.6741	0.0128	22.812	-37.8051	-0.0002	30.507	35.7964
0.6802	0.013	23.1995	-37.0301	0	31.1471	37.1656
0.6861	0.0128	23.3102	-35.5908	-0.0002	32.1931	38.7415
0.6887	0.0133	24.1959	-35.3694	-0.0001	32.9217	39.5936
0.6895	0.0135	24.2513	-35.5355	0.0002	33.5254	40.3717
0.689	0.0139	24.9709	-35.5908	0.0003	34.2591	41.1252

0.6883	0.0144	25.0816	-36.3105	0.0005	34.842	41.8639
0.6892	0.0149	25.1924	-36.3105	0.0008	35.3988	42.6224
0.6926	0.0152	25.7459	-37.0301	0.0011	35.659	43.2134
0.698	0.0159	25.912	-37.6391	0.0017	35.9296	43.8388
0.7048	0.0165	25.5799	-38.8569	0.0021	36.0181	44.3362
0.7146	0.0169	26.9638	-38.0819	0.0024	35.9869	44.7549
0.7257	0.0172	31.7246	-37.1408	0.0026	35.9661	45.1045
0.7398	0.017	38.0354	-38.1926	0.0026	35.836	45.4345
0.7557	0.0162	31.5585	-39.4105	0.0027	35.7371	45.7497
0.7721	0.0161	31.8907	-40.1302	0.0028	35.8047	46.0846
0.788	0.0157	32.1121	-40.8498	0.0024	35.6486	46.3456
0.8036	0.0154	32.4996	-41.6802	0.0022	35.607	46.71
0.8185	0.0153	32.7764	-42.0677	0.0021	35.6694	47.0597
0.8332	0.0147	32.9978	-42.6766	0.0019	35.8152	47.503
0.8457	0.0147	32.9978	-43.3963	0.0018	35.7839	48.158
0.8584	0.0148	33.6621	-43.7838	0.0018	35.9453	48.6061
0.8695	0.0147	34.105	-44.2267	0.0018	36.0493	48.9016
0.879	0.0147	34.2157	-45.1124	0.0018	36.0702	49.3744
0.8874	0.0147	34.6586	-45.5553	0.0019	36.1534	49.9506
0.8949	0.0145	35.2675	-46.1642	0.0018	36.3043	50.4136
0.9017	0.0147	35.5997	-46.6071	0.002	36.4969	51.044
0.9083	0.0146	36.1533	-46.6624	0.0019	36.7623	51.4921
0.9142	0.0146	36.1532	-47.5482	0.002	37.0381	51.9698
0.9195	0.0146	37.039	-48.1017	0.0019	37.3608	52.5855
0.9237	0.0148	37.2604	-49.0982	0.0019	37.7511	53.2602
0.9272	0.0149	37.7033	-49.7625	0.0019	38.1414	53.8364
0.9319	0.0148	38.0354	-50.8696	0.0018	38.7711	54.4422
0.9353	0.0146	38.6997	-51.4786	0.0019	39.458	54.9543
0.9371	0.0147	39.4747	-52.5304	0.0019	39.7494	55.5552
0.9397	0.0152	40.1944	-53.9697	0.0018	40.171	56.3136
0.9417	0.0154	40.8587	-55.0769	0.0018	40.6393	56.9292
0.9446	0.0155	41.5783	-56.4054	0.0019	41.1077	57.7369
0.947	0.0154	42.6855	-57.1251	0.0021	41.5449	58.254
0.9489	0.0155	43.5712	-59.0073	0.002	41.9352	58.8056
0.9508	0.0157	44.8998	-60.1698	0.0021	42.5284	59.4459
0.9523	0.0162	45.4534	-61.0555	0.0021	43.0644	60.1698
0.954	0.0163	46.3945	-62.7163	0.002	43.6369	60.9036
0.9552	0.0163	47.5017	-63.9342	0.0021	44.0584	61.5242

0.9561	0.0165	48.6642	-65.5395	0.0021	44.7037	62.2777
0.9562	0.0168	50.5463	-68.0307	0.0022	45.2137	63.1001
0.9576	0.0167	51.8196	-69.9128	0.0023	45.7654	64.1048
0.9582	0.0169	54.2	-72.7361	0.0023	46.2389	65.0504
0.9582	0.0175	56.0268	-74.895	0.0026	46.7489	65.7645
0.9581	0.0178	58.4626	-77.829	0.0026	47.1236	66.5968
0.9584	0.0183	60.6769	-81.6487	0.0029	47.4931	67.242
0.9576	0.019	63.5555	-84.8595	0.0032	47.8834	67.9118
0.9569	0.0195	66.7663	-89.4542	0.0038	48.2373	68.3599
0.9564	0.02	70.3092	-94.215	0.0044	48.6016	68.7884
0.955	0.0211	74.0182	-99.474	0.0053	48.867	69.404
0.9528	0.0222	78.0039	-104.4563	0.006	49.2417	69.9359
0.9514	0.0235	82.8755	-110.0474	0.0069	49.6736	70.4432
0.949	0.0248	86.0309	-116.6904	0.0076	49.9651	70.6697
0.9454	0.0262	92.1756	-124.7173	0.0092	50.5791	71.1179
0.9422	0.0279	97.8775	-133.7961	0.0106	51.0996	71.4725
0.9395	0.0295	105.2955	-142.598	0.0119	51.6095	71.8369
0.9358	0.0315	111.1081	-153.5035	0.0137	52.2236	72.359
0.9294	0.0339	118.9136	-165.1841	0.0148	52.692	72.8318
0.924	0.0362	126.9405	-176.7539	0.0168	53.2853	73.1864
0.9178	0.0384	134.6906	-190.0398	0.0197	53.9982	73.5409
0.9078	0.0413	141.7764	-218.1617	0.022	54.2845	73.0682
0.2093	0.0082	-2.4094	-9.3435	0.0058	24.8896	25.0717
0.6806	0.0077	34.2322	-37.6775	-0.0005	20.536	27.4192
0.6657	0.0109	24.3502	-33.3227	-0.0004	23.8145	29.9555
0.6516	0.0131	24.5177	-33.7135	-0.0002	24.9282	31.9796
0.6415	0.0138	23.2894	-34.7185	-0.0003	26.0003	33.6541
0.6378	0.0138	23.1778	-35.5559	-0.0002	27.2024	35.1414
0.6392	0.0137	23.6802	-36.0026	-0.0002	28.3109	36.4859
0.6434	0.0137	24.0152	-36.3934	-0.0001	29.18	37.6975
0.6491	0.0137	24.5177	-36.7842	0	30.0282	38.8548
0.6539	0.0139	25.1318	-38.4591	0	30.814	39.7758
0.6565	0.0143	25.6343	-40.469	0.0001	31.5946	40.6573
0.6567	0.0146	25.9693	-41.9206	0.0003	32.3753	41.4207
0.6553	0.0148	25.746	-42.4789	0.0005	33.0362	42.189
0.6544	0.0153	25.9693	-42.5906	0.0008	33.6086	42.8686
0.6551	0.0155	26.4718	-42.5348	0.0011	34.0614	43.5286

0.6592	0.0165	26.6951	-42.5906	0.0016	34.3892	44.1195
0.6678	0.017	26.9184	-42.8139	0.0021	34.6859	44.6859
0.679	0.0176	27.8675	-42.4789	0.0024	34.8524	45.2424
0.6926	0.0179	29.1516	-42.6464	0.0028	34.9669	45.7398
0.7082	0.0182	31.329	-42.3114	0.0031	34.9669	46.1732
0.7265	0.0183	33.6739	-41.9764	0.0032	34.9305	46.4983
0.7475	0.0173	45.1192	-42.2556	0.0029	34.7119	46.8184
0.7687	0.0161	35.6838	-42.5906	0.0026	34.4361	47.2321
0.789	0.0155	35.7396	-42.7581	0.0023	34.28	47.5571
0.8088	0.0152	36.5771	-43.3722	0.0023	34.2383	47.9117
0.8271	0.0149	36.5771	-43.9305	0.0022	34.2852	48.2072
0.8436	0.0149	37.3029	-44.0422	0.0023	34.3424	48.5717
0.8578	0.0151	37.6937	-44.433	0.0025	34.3528	48.7194
0.8697	0.0153	37.9728	-45.4379	0.0024	34.3944	48.9016
0.88	0.0156	38.1962	-45.7171	0.0028	34.5037	49.1873
0.8897	0.0157	38.587	-45.7729	0.0029	34.6494	49.3695
0.8976	0.0159	39.4244	-47.3362	0.003	34.7847	49.5862
0.9046	0.0161	39.7594	-48.0061	0.0031	35.0137	49.99
0.911	0.0162	39.9269	-48.5086	0.0033	35.2479	50.4037
0.9169	0.016	40.0386	-49.2902	0.0034	35.4769	50.8716
0.9218	0.0163	40.5969	-50.016	0.0033	35.7579	51.2557
0.9261	0.0163	41.211	-50.6302	0.0034	36.0285	51.6596
0.9295	0.0164	41.7135	-51.8584	0.0036	36.3252	52.0979
0.9328	0.0162	42.1601	-52.6401	0.0036	36.679	52.6495
0.9341	0.0163	42.8859	-53.7009	0.0036	37.1474	53.3242
0.9359	0.0162	43.1651	-55.3199	0.0035	37.5117	53.8561
0.9375	0.0162	43.9467	-55.9899	0.0035	38.0477	54.5603
0.9388	0.016	44.505	-56.9949	0.0035	38.5057	55.3385
0.9402	0.0169	45.3425	-58.2789	0.0037	39.0521	56.1462
0.9411	0.0181	46.4032	-59.7864	0.0036	39.4476	56.683
0.9438	0.0182	46.6266	-60.9588	0.0036	40.0149	57.3331
0.9467	0.0183	47.5199	-62.1871	0.0036	40.6497	58.062
0.9486	0.0185	48.3573	-63.1362	0.0036	41.3055	58.8204
0.9511	0.0187	49.1948	-65.2019	0.0038	41.9976	59.6527
0.9528	0.0191	50.7022	-66.8769	0.004	42.6429	60.4062
0.9548	0.0195	51.9863	-68.3843	0.0041	43.3403	61.2238
0.9561	0.0198	53.3821	-70.7292	0.0044	44.0272	62.0117
0.9575	0.0199	55.3361	-73.5765	0.0047	44.6309	62.8293

0.9584	0.0204	57.9602	-77.038	0.0049	45.2814	63.5779
0.9592	0.0208	60.305	-79.8295	0.0052	45.5884	64.2772
0.9594	0.0213	63.0407	-83.9052	0.0058	46.0464	65.0455
0.9592	0.0223	66.5022	-87.255	0.0064	46.6397	65.8187
0.9585	0.0233	69.9079	-92.5031	0.0073	47.2693	66.5525
0.9571	0.024	73.5369	-98.5328	0.0079	47.8886	67.2568
0.9556	0.0255	77.78	-104.6183	0.009	48.5079	68.0251
0.9547	0.027	83.9772	-111.3738	0.0103	49.1376	68.8524
0.9525	0.0284	89.3369	-118.5759	0.0117	49.5904	69.2366
0.95	0.03	94.1942	-126.3922	0.0136	50.1264	69.7586
0.9467	0.0324	99.0514	-134.6551	0.0153	50.7977	70.2511
0.9446	0.0344	105.3603	-143.1972	0.0173	51.2869	70.6894
0.9414	0.0367	110.2734	-152.3534	0.0193	51.6044	71.0834
0.9376	0.039	117.308	-161.8445	0.0216	51.9062	71.241
0.933	0.0419	123.1144	-171.894	0.0245	52.1872	71.3986
0.9279	0.0446	129.4232	-182.6135	0.0276	52.1039	71.6793
0.921	0.0485	133.3314	-199.4743	0.0301	51.4899	71.8074
0.2807	0.0117	4.0223	1.108	0.0099	26.3463	26.3616
0.7558	0.0069	32.3898	-27.4047	-0.0002	22.6748	26.8824
0.7084	0.0115	24.8527	-34.3277	-0.0001	27.0098	29.6157
0.6963	0.0141	23.9036	-34.9418	-0.0002	28.0194	31.7482
0.689	0.0149	24.8527	-35.6118	-0.0002	29.0238	33.5261
0.6886	0.0148	26.0251	-39.8549	-0.0001	29.9658	34.974
0.6917	0.0146	26.0809	-39.7432	-0.0001	30.6423	36.2446
0.6961	0.0149	26.9184	-40.6923	-0.0001	31.1419	37.205
0.7006	0.0153	27.4767	-41.0273	-0.0001	31.7352	38.1013
0.7037	0.0157	28.705	-41.4181	0	32.318	38.9139
0.7043	0.0161	30.2124	-42.1998	0	32.9581	39.6674
0.7039	0.0166	30.6032	-42.4231	0.0002	33.4681	40.3471
0.7031	0.017	30.9382	-42.6464	0.0003	34.0093	41.0759
0.7029	0.0174	31.329	-42.9256	0.0007	34.3684	41.6571
0.7063	0.018	34.0647	-43.3164	0.001	34.561	42.2038
0.7115	0.0186	38.4753	-43.5955	0.0016	34.7327	42.7504
0.7192	0.0189	47.6315	-43.4839	0.0018	34.7587	43.2134
0.7301	0.0181	35.8513	-44.1538	0.0021	34.639	43.7009
0.7425	0.018	35.4046	-44.5447	0.0022	34.4673	44.1442
0.7577	0.0174	35.8513	-45.0471	0.0022	34.3112	44.5185
0.7741	0.0171	36.4654	-45.103	0.0021	34.1759	44.8337

0.7899	0.0168	37.0237	-45.0471	0.0019	34.077	45.1587
0.8066	0.0165	37.3029	-45.6054	0.0018	33.9313	45.4542
0.8234	0.0161	37.8612	-45.6613	0.0017	33.7283	45.6857
0.8385	0.0158	38.0845	-47.2245	0.0015	33.7179	45.9171
0.8519	0.016	38.587	-47.5037	0.0016	33.7127	46.2028
0.8639	0.0158	39.2011	-48.6203	0.0016	33.6971	46.4736
0.8743	0.0158	39.6478	-49.0669	0.0014	33.6971	46.7347
0.8831	0.0159	39.9269	-50.0719	0.0018	33.6919	47.0351
0.8907	0.0161	40.7644	-50.9652	0.0018	33.7908	47.4045
0.8966	0.016	41.1552	-51.9701	0.0019	33.874	47.7788
0.9036	0.0157	41.7135	-53.4775	0.002	33.9989	48.0398
0.9089	0.0158	42.5509	-54.4267	0.0019	34.1603	48.4535
0.9137	0.0158	42.9418	-55.0408	0.0019	34.3736	48.9509
0.9177	0.0157	43.5001	-56.0457	0.0019	34.6234	49.5911
0.9213	0.0155	44.17	-56.9949	0.002	34.8576	50.2412
0.9242	0.0158	44.7842	-58.2231	0.0019	35.2531	50.9455
0.9269	0.0159	45.7891	-59.1164	0.0019	35.5966	51.6694
0.9296	0.0158	46.2358	-60.1772	0.0018	35.9453	52.2161
0.931	0.0158	47.2965	-61.1821	0.0018	36.372	52.8662
0.9326	0.0157	48.0223	-62.1871	0.0017	36.8299	53.6295
0.9339	0.0157	48.9715	-63.6387	0.0017	37.1994	54.324
0.9344	0.0158	50.1439	-65.1461	0.0016	37.647	54.9248
0.9351	0.0157	51.093	-67.1002	0.0016	38.1154	55.7719
0.9355	0.0154	52.3771	-68.9426	0.0014	38.5681	56.3579
0.9351	0.0156	53.8845	-70.8966	0.0017	39.0261	57.0376
0.9344	0.0157	55.057	-72.2924	0.0017	39.484	57.663
0.9343	0.0158	56.3411	-74.1348	0.0018	39.9108	58.4067
0.9335	0.016	58.5185	-76.3122	0.002	40.4572	59.2292
0.932	0.0163	59.8026	-79.0479	0.0021	40.9412	59.8842
0.9303	0.0168	61.7008	-81.6161	0.0023	41.498	60.5983
0.9296	0.0171	63.934	-83.7935	0.0025	42.0653	61.1006
0.928	0.0178	65.8881	-86.1384	0.003	42.6846	61.8344
0.9254	0.0187	68.1213	-88.7624	0.0034	43.1061	62.4156
0.9223	0.0192	70.2429	-92.3356	0.004	43.5432	62.8244
0.9194	0.0203	73.8719	-96.1879	0.0047	43.996	63.1888
0.9159	0.0213	78.1708	-101.2126	0.0055	44.5424	63.5976
0.9122	0.0223	81.744	-107.019	0.0065	45.0576	64.0704
0.9067	0.0236	86.4337	-112.937	0.0075	45.604	64.228

0.9023	0.0249	92.2959	-119.86	0.0087	46.0412	64.6663
0.8962	0.0265	96.7624	-127.453	0.0103	46.5148	64.9421
0.8891	0.0281	102.6804	-137.1675	0.012	47.1757	65.0898
0.8804	0.0298	109.9384	-146.8261	0.0137	47.6128	65.2277
0.8687	0.032	117.2522	-158.2156	0.0157	47.9667	65.3804
0.8554	0.0346	124.9568	-168.5442	0.0178	48.409	65.474
0.8401	0.0371	133.1639	-180.4361	0.0205	48.8462	65.5774
0.8191	0.0402	141.1476	-192.2164	0.0227	49.3718	65.3558
0.7946	0.0437	150.1922	-205.2249	0.0265	50.1784	65.208
0.2488	0.0041	-52.9081	-64.063	0.0032	25.2503	23.9681
0.6959	0.0084	35.1255	-32.2619	-0.0004	21.4207	24.9222
0.6808	0.0117	23.9594	-33.546	-0.0002	23.2525	27.2025
0.668	0.0149	24.8527	-33.6577	0	24.0851	29.3547
0.6598	0.0155	24.5177	-34.0485	-0.0002	25.1728	31.3099
0.6581	0.0157	24.8527	-34.2718	-0.0002	26.4166	32.9991
0.6604	0.0157	26.0251	-34.3277	-0.0002	27.5407	34.511
0.6649	0.0158	27.0301	-34.886	-0.0001	28.5555	35.89
0.6702	0.016	27.7559	-35.1093	-0.0002	29.4558	37.0621
0.675	0.0162	27.4767	-35.9468	0	30.4289	38.1308
0.6777	0.0167	28.705	-36.4492	0.0002	31.272	39.1011
0.6787	0.0171	30.9382	-37.7333	0.0002	32.2347	39.9531
0.6784	0.0166	32.8923	-39.2408	0.0005	32.4897	40.6426
0.6794	0.0169	35.0697	-40.8598	0.0007	33.3276	41.5389
0.6824	0.0171	42.216	-40.8598	0.0013	33.7647	42.2136
0.6882	0.0175	44.84	-41.139	0.0017	33.9521	43.0065
0.6967	0.0177	35.0138	-42.2556	0.0021	34.1811	43.5581
0.7068	0.0179	35.2371	-42.3114	0.0025	34.2487	44.026
0.7193	0.0181	35.628	-42.5348	0.0027	34.2279	44.6958
0.7343	0.018	36.1304	-42.5348	0.0027	34.2175	45.1538
0.7515	0.0174	36.6329	-42.4789	0.0026	34.0874	45.6463
0.7698	0.0171	37.1354	-42.9814	0.0024	33.9833	46.1141
0.7884	0.0166	37.582	-43.0372	0.0022	33.9261	46.4392
0.8061	0.0162	38.0287	-44.0422	0.002	33.8168	46.8627
0.8232	0.0157	38.6986	-44.6563	0.0018	33.8064	47.3306
0.8389	0.0155	39.2011	-45.2146	0.0017	33.7491	47.7886
0.853	0.0153	39.5361	-45.7171	0.0017	33.8168	48.222
0.8655	0.0151	40.2619	-46.1637	0.0016	33.8272	48.6948

0.8758	0.0151	40.7085	-47.392	0.0016	33.8584	49.1035
0.8864	0.0149	41.211	-48.4528	0.0016	34.0093	49.4581
0.8951	0.0149	41.7693	-49.9044	0.0015	34.103	49.99
0.9024	0.015	42.3834	-50.1277	0.0016	34.3476	50.586
0.9093	0.0149	42.7184	-51.1885	0.0016	34.561	50.9947
0.9153	0.0148	43.2209	-51.9701	0.0016	34.8212	51.5759
0.9205	0.0147	43.7234	-53.0867	0.0014	35.1438	52.2801
0.9253	0.0145	44.3934	-54.0917	0.0015	35.5081	53.009
0.9295	0.0143	44.7842	-55.7108	0.0014	35.9348	53.7231
0.933	0.0142	45.3983	-56.7715	0.0011	36.3876	54.5505
0.9359	0.0139	46.1799	-58.1673	0.0012	36.7883	55.3483
0.9383	0.0138	46.8499	-59.3956	0.0011	37.2619	56.1856
0.9398	0.0138	47.6873	-60.903	0.001	37.8604	57.1312
0.9411	0.0138	48.3015	-62.5779	0.001	38.4901	57.9635
0.9419	0.0137	49.0831	-63.9178	0.0011	39.1041	58.781
0.9423	0.0138	50.0322	-65.3136	0.0011	39.8171	59.7808
0.9425	0.014	51.2605	-66.4302	0.0011	40.4676	60.4702
0.9424	0.0142	52.2096	-68.1051	0.0011	41.1806	61.1893
0.9421	0.0146	53.3821	-70.0034	0.0013	41.9872	62.2383
0.9414	0.0149	54.722	-71.455	0.0014	42.6741	62.7258
0.9406	0.0151	56.5644	-74.5256	0.0015	43.3299	63.6173
0.9394	0.0154	58.5185	-76.8147	0.0016	44.1469	64.484
0.9376	0.0159	61.0308	-80.2762	0.0019	44.9848	65.5478
0.9345	0.0164	64.1574	-84.0168	0.0022	45.7498	66.3703
0.9319	0.0171	67.3397	-88.4274	0.0026	46.52	67.1632
0.9293	0.0179	71.527	-93.3405	0.0032	47.3162	68.0004
0.9263	0.0185	76.7192	-99.5935	0.0037	48.0604	68.946
0.9217	0.0194	81.6323	-107.354	0.0043	48.7369	69.7488
0.9162	0.0205	88.8344	-116.901	0.0052	49.325	70.6402
0.9113	0.0216	97.3765	-128.0113	0.0065	49.939	71.4035
0.904	0.0232	106.3652	-139.6799	0.0082	50.3762	72.3294
0.8962	0.0254	114.2932	-152.0742	0.01	51.0215	73.0288
0.8864	0.0277	123.5052	-163.9661	0.0121	51.6772	73.8414
0.8734	0.0305	132.4381	-176.193	0.0143	52.1716	74.0433
0.8567	0.0333	141.9293	-189.1457	0.0164	52.7857	74.1172
0.8402	0.035	149.913	-199.3627	0.018	52.921	73.999
0.8165	0.0382	158.6226	-218.7917	0.0211	53.1812	73.6641
0.7862	0.0421	169.677	-237.2716	0.0236	53.9826	73.1519

0.2523	0.0058	-34.819	-45.4212	0.0051	25.4891	22.758
0.6949	0.0072	27.4209	-25.4506	-0.0001	23.8614	26.1289
0.7066	0.0115	22.5078	-33.2111	-0.0001	27.1608	29.5024
0.6939	0.0136	22.0053	-34.1602	0	28.5659	31.8122
0.6855	0.0143	22.5636	-34.6068	0	29.4974	33.6787
0.6834	0.0141	22.6753	-34.9418	-0.0001	30.4914	35.2104
0.6855	0.0139	23.2894	-35.3326	0	31.3605	36.6386
0.6891	0.0142	24.071	-35.6118	0.0001	32.1515	37.8107
0.6937	0.0144	25.1318	-35.5559	-0.0003	32.802	38.8597
0.6979	0.0145	26.1368	-35.3885	0.0001	33.4785	39.7659
0.6999	0.015	26.6392	-36.5609	0.0001	34.1342	40.6081
0.7004	0.0154	27.0859	-37.3983	0.0003	34.7795	41.3616
0.6991	0.016	27.2534	-38.7941	0.0005	35.3832	42.0511
0.6983	0.0162	27.7559	-39.3524	0.0007	36.0025	42.78
0.6991	0.0166	27.8675	-40.6923	0.0009	36.5541	43.4104
0.7034	0.017	28.1467	-41.0273	0.0011	36.9913	44.1491
0.7102	0.0178	28.705	-41.9765	0.0017	37.2515	44.6613
0.7186	0.0183	30.8824	-41.4181	0.0022	37.4284	45.1144
0.7288	0.0183	35.5163	-40.9157	0.0023	37.3712	45.4394
0.7427	0.0177	36.3538	-41.474	0.0025	37.3712	45.6857
0.7582	0.0174	36.5771	-42.0881	0.0025	37.3712	45.9122
0.7751	0.017	36.8562	-42.1439	0.0025	37.3712	46.0944
0.7919	0.0166	37.1912	-42.6464	0.0023	37.3712	46.2126
0.8092	0.0162	38.252	-42.7022	0.002	37.3712	46.4293
0.825	0.0158	38.3637	-42.9256	0.0018	37.3712	46.518
0.8402	0.0157	38.922	-43.3164	0.0018	37.3712	46.779
0.8539	0.0157	39.2569	-44.098	0.0014	37.3712	47.0351
0.8665	0.0156	39.5361	-44.433	0.0015	37.3712	47.4537
0.8765	0.0156	39.9827	-45.103	0.0016	36.6686	47.9117
0.8884	0.0155	40.6527	-45.3263	0.0016	36.908	48.3894
0.8972	0.0155	40.876	-46.5546	0.0015	37.1162	48.946
0.905	0.0153	41.211	-47.5595	0.0016	37.3764	49.4926
0.9118	0.0152	41.6577	-48.397	0.0015	37.6158	50.1082
0.9183	0.0151	42.1043	-49.6811	0.0016	37.8604	50.6844
0.9237	0.0149	42.2718	-50.2952	0.0017	38.1934	51.3198
0.929	0.0147	42.9418	-51.691	0.0015	38.4848	51.9157
0.9336	0.0145	43.3884	-52.1934	0.0015	38.7815	52.5362

0.9369	0.0145	44.3934	-54.2592	0.0015	39.0729	53.1026
0.9401	0.0145	44.8958	-54.8175	0.0013	39.3331	53.7773
0.9427	0.0146	45.3425	-55.8224	0.0012	39.7182	54.4225
0.9447	0.0144	46.1799	-56.939	0.0011	40.0669	55.1119
0.9469	0.0143	46.2358	-57.9998	0.0011	40.4988	55.9541
0.9492	0.0142	47.0174	-58.8373	0.0009	40.9776	56.6091
0.9514	0.0141	48.0782	-60.568	0.0008	41.3991	57.4119
0.9535	0.014	49.1389	-61.6846	0.0007	41.8987	58.0964
0.9551	0.0139	50.0322	-63.3595	0.0007	42.544	58.914
0.9564	0.014	51.4838	-65.2019	0.0005	42.544	59.702
0.9576	0.0137	52.8238	-66.8769	0.0005	42.544	60.3373
0.9587	0.0137	54.2195	-69.2217	0.0006	42.544	60.9627
0.9592	0.014	55.727	-71.2875	0.0006	42.544	61.6473
0.9593	0.0139	57.6252	-74.3581	0.0007	42.544	62.0462
0.9596	0.014	59.4676	-76.8705	0.0008	45.1253	62.7012
0.9596	0.0143	62.2591	-79.997	0.0009	45.4843	62.9918
0.9594	0.0147	64.8273	-84.0726	0.0009	45.859	63.2134
0.9584	0.0155	67.8422	-88.2599	0.0009	46.369	63.5286
0.9573	0.0162	71.6386	-92.4472	0.0012	46.827	63.9423
0.9548	0.0167	76.5517	-98.2536	0.0018	47.3214	64.2624
0.952	0.0177	81.8556	-105.4557	0.0022	47.8574	64.7401
0.9513	0.0187	88.4995	-114.3886	0.0027	48.357	65.1243
0.9491	0.0198	96.2041	-125.2756	0.0032	48.9086	65.5035
0.9469	0.0206	105.0811	-137.6141	0.0044	49.3302	65.8876
0.9452	0.0219	116.9172	-152.2417	0.0053	49.9234	66.5722
0.9423	0.0241	130.0373	-165.641	0.0067	50.6	67.2863
0.937	0.0251	142.9342	-173.9039	0.0073	51.4638	67.4587
0.9327	0.0269	150.5272	-192.9422	0.0087	52.2705	67.8675
0.9273	0.0287	160.4092	-213.1528	0.0099	53.1187	68.9559
0.9218	0.0305	171.4636	-231.0186	0.0116	53.8889	69.8719
0.9141	0.0317	180.7315	-248.8285	0.0123	54.8101	70.1822
0.9019	0.0339	193.405	-270.1558	0.0147	55.6948	69.8768
0.2894	0.0072	-4.8212	-11.1022	0.0063	24.5384	25.2889
0.7168	0.0077	30.4357	-34.4952	-0.0003	20.7285	26.577
0.6945	0.0112	24.9643	-36.0584	-0.0001	23.6688	29.0198
0.6825	0.0132	26.4159	-38.0683	-0.0003	24.9907	31.0291
0.6764	0.0134	27.365	-38.0125	-0.0003	26.2813	32.7676

0.6763	0.0133	27.4767	-39.5199	-0.0001	27.5875	34.3781
0.6795	0.0134	28.2583	-40.5807	-0.0001	28.7168	35.826
0.6849	0.0133	29.4308	-41.6415	0	29.5494	37.0326
0.69	0.0135	30.4916	-42.1998	-0.0003	30.2676	38.0915
0.6938	0.0138	30.3241	-43.0931	-0.0001	31.1003	39.0321
0.6959	0.0141	30.7149	-42.9814	0.0001	31.8601	39.8496
0.6962	0.0144	30.8265	-43.5397	0.0003	32.5938	40.7115
0.6963	0.0147	31.0499	-43.9305	0.0004	33.1975	41.4404
0.6971	0.0153	31.329	-43.9864	0.0007	33.6138	41.9132
0.7002	0.0157	31.5523	-44.1538	0.0007	33.9417	42.3466
0.7051	0.0165	31.9431	-44.3213	0.0013	34.2279	42.7061
0.7123	0.0171	34.2322	-43.9863	0.0017	34.3528	43.0755
0.7218	0.0177	41.8251	-43.9864	0.0021	34.4309	43.4104
0.7342	0.0169	43.8909	-44.4888	0.002	34.2852	43.7649
0.7487	0.0163	38.5311	-44.5447	0.0023	34.1238	44.1048
0.7648	0.0159	38.7545	-44.8238	0.0023	34.0041	44.4791
0.7819	0.0154	39.0895	-45.0471	0.002	33.9105	44.7549
0.7989	0.015	39.5361	-45.5496	0.0019	33.8688	45.1439
0.8153	0.0146	40.3177	-46.6662	0.0016	33.8324	45.5182
0.8313	0.0142	40.541	-47.5037	0.0013	33.7387	45.8531
0.8461	0.0142	41.0993	-48.1736	0.0014	33.7075	46.2028
0.8597	0.014	41.7135	-48.8436	0.0011	33.7075	46.5081
0.8717	0.014	41.9926	-49.9602	0.0012	33.7647	46.8972
0.8824	0.0137	42.7743	-50.686	0.0011	33.9001	47.3601
0.8918	0.0138	43.1092	-51.691	0.0011	34.025	47.7541
0.9009	0.0138	43.7792	-53.0309	0.0012	34.1759	48.158
0.9081	0.0136	44.2259	-53.98	0.0012	34.3164	48.68
0.9157	0.0136	45.1192	-55.3758	0.0012	34.535	49.2464
0.9222	0.0135	45.8449	-56.604	0.0011	34.7847	49.7536
0.9278	0.0134	47.129	-57.8881	0.0012	35.0137	50.2461
0.9327	0.0133	47.5199	-59.0047	0.0014	35.2843	50.8125
0.9362	0.0133	47.9665	-60.6797	0.0013	35.5758	51.4577
0.9393	0.0133	48.9156	-62.1313	0.0013	35.8412	52.0831
0.9416	0.0135	49.5298	-63.192	0.0012	36.2055	52.684
0.9441	0.0135	50.5905	-64.4761	0.001	36.653	53.3685
0.9464	0.0133	51.3722	-65.4811	0.0012	37.0693	53.93
0.9483	0.0134	52.4329	-66.821	0.0012	37.444	54.5456
0.95	0.0135	53.4379	-68.3285	0.0012	37.9072	55.2892

0.9515	0.0137	53.9962	-70.0034	0.0012	38.4432	55.9147
0.9524	0.0138	55.4478	-72.1808	0.0011	38.9532	56.6781
0.9542	0.0136	57.0111	-73.3532	0.0011	39.5777	57.4611
0.9555	0.0137	57.8485	-75.9772	0.0011	40.1293	58.3082
0.9562	0.0138	59.9701	-77.708	0.0011	40.7122	59.1405
0.9567	0.0139	61.3658	-79.7179	0.0011	41.2482	59.8891
0.9561	0.0144	63.4874	-82.7327	0.0011	41.8259	60.6771
0.954	0.0152	65.7206	-85.8592	0.0014	42.4712	61.4503
0.9518	0.0157	68.4563	-89.0974	0.0015	43.1321	62.2728
0.9501	0.0162	71.7503	-92.6147	0.0018	43.7514	62.9376
0.9493	0.0169	75.1001	-97.2487	0.002	44.4019	63.6468
0.9477	0.0177	79.6782	-102.6642	0.0025	45.0993	64.2821
0.9459	0.0184	84.6472	-109.3639	0.0031	45.7914	64.8977
0.9441	0.0196	90.7885	-118.2409	0.0038	46.4315	65.5921
0.9411	0.0212	97.879	-129.0162	0.0049	47.1549	66.4048
0.9381	0.0225	107.8726	-141.5781	0.0061	47.8938	67.0745
0.9334	0.0242	117.6988	-155.2566	0.0076	48.7265	67.6852
0.9284	0.0266	128.0275	-170.7216	0.01	49.6424	68.3796
0.9248	0.0285	139.1377	-182.6135	0.0118	50.3502	68.9509
0.9194	0.0305	150.248	-197.0736	0.0137	50.9851	69.6306
0.9111	0.0345	162.2516	-218.6242	0.0167	51.724	70.0935
0.9027	0.0373	172.1336	-230.5161	0.0195	52.4786	70.4629
0.8934	0.04	181.5689	-242.5197	0.0221	53.0719	70.458

0.2417	0.0079	-17.0816	-23.463	0.0071	24.6695	24.7216
0.2778	0.0075	18.9346	-33.881	-0.0003	23.3097	25.9072
0.2158	0.012	23.4569	-33.6019	-0.0002	24.9282	28.7686
0.1935	0.012	24.2385	-33.9927	-0.0003	26.146	31.0538
0.1868	0.0118	23.9594	-35.1093	-0.0002	27.2076	32.8612
0.1925	0.0117	24.5177	-35.5559	-0.0002	28.1756	34.3584
0.2057	0.0119	25.4668	-36.7842	-0.0003	28.9197	35.6241
0.2231	0.0122	25.9135	-38.3475	-0.0003	29.6275	36.5795
0.2413	0.0125	26.4718	-39.1291	-0.0004	30.3301	37.4808
0.2553	0.0131	26.8626	-41.0832	-0.0003	31.1055	38.3032
0.2629	0.0134	26.7509	-42.2556	-0.0002	31.9277	39.0026
0.2672	0.0137	26.6951	-42.8139	-0.0002	32.6615	39.7462
0.2705	0.014	26.3601	-42.7022	0.0001	33.2756	40.352
0.2778	0.0144	28.2583	-42.9256	0.0004	33.7387	41.007

0.2934	0.0144	30.1007	-43.0372	0.0008	33.9781	41.4699
0.3166	0.0151	30.8824	-43.1489	0.0011	34.1967	42.0166
0.3442	0.0157	31.6082	-42.9814	0.0017	34.2747	42.4303
0.3756	0.0162	33.0598	-42.9256	0.0019	34.2175	42.6618
0.4114	0.0164	34.7347	-42.4789	0.0022	34.1551	42.8588
0.4506	0.0167	34.4555	-42.9814	0.0023	34.0354	43.0656
0.4924	0.0169	34.8463	-42.8697	0.0023	33.9417	43.3217
0.5339	0.0169	39.7036	-43.2047	0.0023	33.822	43.5729
0.5754	0.0155	39.9269	-43.3164	0.0021	33.6138	43.9422
0.6132	0.0153	40.0944	-43.8189	0.002	33.6503	44.1786
0.648	0.0152	40.2061	-44.3772	0.0019	33.7491	44.484
0.6796	0.0149	40.541	-44.7121	0.0018	33.8844	44.7844
0.7081	0.0147	40.876	-45.1588	0.0019	34.0197	45.1833
0.7351	0.0147	41.4902	-46.722	0.002	34.1238	45.6561
0.7581	0.0147	41.881	-47.2803	0.0021	34.2487	46.0452
0.7785	0.0148	42.1043	-48.5645	0.0022	34.3632	46.4441
0.7968	0.0148	42.3276	-49.2344	0.0023	34.5089	46.8332
0.8116	0.0148	42.9976	-50.1277	0.0024	34.6859	47.2419
0.826	0.0147	43.3884	-50.7418	0.0024	34.8472	47.7344
0.8386	0.0148	44.17	-52.1376	0.0025	35.0866	48.1481
0.8497	0.0148	44.2259	-52.9751	0.0025	35.326	48.547
0.859	0.0151	44.7283	-54.2592	0.0024	35.6434	49.0642
0.8673	0.0149	45.0633	-54.985	0.0026	35.8932	49.665
0.8743	0.0148	45.51	-55.9899	0.0026	36.2367	50.256
0.8799	0.0147	46.2358	-56.939	0.0025	36.5437	50.7682
0.8842	0.0148	44.0584	-58.6852	0.0025	36.8872	51.2311
0.8885	0.0146	44.8958	-59.5658	0.0025	37.2983	52.1915
0.8922	0.0147	47.9665	-60.6797	0.0026	37.7198	52.8219
0.8956	0.0146	49.0831	-62.0754	0.0024	38.0373	53.3685
0.8974	0.0148	50.3114	-63.8062	0.0026	38.3652	53.925
0.8995	0.0153	51.0372	-65.4253	0.0025	38.6878	54.2698
0.9013	0.0154	51.9863	-66.9885	0.0027	39.0781	54.8312
0.9023	0.0157	52.7679	-67.9376	0.0028	39.4736	55.3927
0.9029	0.016	53.6054	-68.7193	0.003	39.8275	55.7423
0.9027	0.0165	55.0012	-70.5058	0.0034	40.249	56.3038
0.903	0.0167	56.1736	-72.3482	0.0032	40.6602	56.7716
0.9029	0.0169	57.5135	-74.1348	0.0033	41.0453	57.2691
0.9029	0.0169	59.4118	-76.1447	0.0036	41.446	57.7714

0.9017	0.0172	61.3658	-79.0479	0.0037	41.8051	58.2737
0.9002	0.0175	63.0966	-82.2861	0.0038	42.3619	58.9337
0.8971	0.018	66.2789	-85.3009	0.0039	42.8615	59.5985
0.8947	0.0184	68.7355	-88.4833	0.0042	43.3194	60.2338
0.8928	0.0189	71.5828	-92.838	0.0047	43.8815	60.9972
0.8885	0.0196	74.6535	-97.472	0.0054	44.4748	61.7753
0.8828	0.0211	78.2825	-103.2225	0.0064	45.0368	62.5584
0.8775	0.0219	81.1857	-108.5264	0.0074	45.6561	63.4006
0.8724	0.0227	84.033	-113.1604	0.0081	46.1244	64.0704
0.8637	0.0243	88.0528	-119.4134	0.0092	46.7073	64.7254
0.8558	0.0256	92.6868	-125.4431	0.0107	47.1653	65.1292
0.8444	0.0271	98.7723	-132.3102	0.0121	47.6544	65.5971
0.8329	0.0286	103.127	-140.1265	0.0137	47.9563	65.7399
0.8182	0.0304	108.4309	-148.8919	0.0155	48.331	65.9369
0.7999	0.0325	113.5115	-157.7131	0.0176	48.9555	66.3309
0.7787	0.0352	120.0437	-167.3718	0.0204	49.6164	66.518
0.7507	0.038	126.3525	-178.482	0.0228	50.2357	66.3752
0.7162	0.0414	132.3264	-190.2623	0.0258	50.6572	65.6069

0.2692	0.0052	-18.79	-39.9945	0.0044	21.2083	24.0833
0.2122	0.0042	11.1742	-18.6951	0.0001	23.5387	26.7051
0.1931	0.0108	31.9431	-46.6104	-0.0003	25.2457	28.6061
0.164	0.0115	32.7248	-47.057	-0.0005	26.0627	30.8026
0.1489	0.0113	32.6689	-50.0719	-0.0004	27.0359	32.2948
0.1483	0.011	32.6131	-52.0259	-0.0004	28.0819	33.5113
0.1563	0.011	32.7248	-52.9751	-0.0005	28.8833	34.5849
0.1687	0.0111	32.8364	-53.2542	-0.0002	29.5755	35.4222
0.1851	0.0114	33.8972	-52.5842	-0.0004	30.3509	36.1609
0.2019	0.0116	34.4555	-52.2493	-0.0003	31.1367	36.8652
0.215	0.012	35.0138	-52.3609	-0.0003	31.9745	37.4512
0.2225	0.0124	35.7396	-52.8634	-0.0002	32.8957	38.19
0.2268	0.0128	35.628	-55.2641	0	33.5878	38.845
0.2335	0.0132	35.293	-57.609	0.0003	34.2539	39.4951
0.2491	0.0136	35.6838	-59.3397	0.0006	34.6651	39.958
0.2774	0.014	36.0188	-59.5631	0.0013	34.9825	40.4702
0.3146	0.0145	37.0796	-58.9489	0.0016	35.1803	40.943
0.3565	0.015	38.922	-57.4415	0.0022	35.326	41.4355

0.4004	0.0155	39.3128	-56.7715	0.0024	35.2791	41.7359
0.4483	0.0156	39.9827	-57.3298	0.0024	35.1646	42.0363
0.4988	0.0157	41.1552	-56.8832	0.0023	35.0606	42.317
0.5483	0.0156	44.0584	-56.604	0.0023	35.0033	42.4894
0.5935	0.0155	44.505	-57.944	0.0022	34.9669	42.6519
0.6331	0.0156	46.1799	-59.0606	0.0023	34.9825	42.844
0.6708	0.0141	49.2506	-59.3397	0.002	34.9096	43.0558
0.7027	0.0136	47.7432	-60.2889	0.0019	34.9253	43.3956
0.7311	0.0135	47.5757	-61.9079	0.0019	35.0606	43.6911
0.756	0.0136	47.8548	-62.8012	0.002	35.2375	44.0112
0.7785	0.0136	48.5248	-63.862	0.0022	35.3312	44.3165
0.7982	0.0136	49.1389	-64.9786	0.0021	35.6122	44.6465
0.8154	0.0137	49.6973	-66.3185	0.0022	35.7267	44.8632
0.8307	0.0136	50.3114	-66.7652	0.0023	35.8672	45.2769
0.8439	0.0136	50.9255	-67.9376	0.0023	36.1014	45.5822
0.8554	0.0137	51.7072	-69.4451	0.0024	36.2731	45.8925
0.8654	0.0138	51.9305	-70.115	0.0024	36.5073	46.2717
0.8742	0.0139	52.6004	-71.0641	0.0026	36.7727	46.6362
0.8816	0.0139	53.0471	-71.6783	0.0027	37.085	47.0696
0.8879	0.0141	53.6612	-73.074	0.0027	37.418	47.5473
0.8936	0.0141	54.1637	-74.1907	0.0027	37.7459	48.0447
0.8983	0.0143	55.2803	-75.0281	0.0026	38.1258	48.5224
0.9025	0.0143	56.0619	-76.6472	0.0026	38.5005	48.9952
0.9062	0.0143	56.6761	-77.4846	0.0027	38.8648	49.5074
0.9094	0.0142	57.5694	-78.9921	0.0026	39.2863	49.9506
0.9121	0.0142	58.7418	-80.0529	0.0026	39.739	50.4037
0.9144	0.0142	59.6909	-81.5045	0.0025	40.1502	50.9405
0.9163	0.0141	60.9192	-83.9052	0.0026	40.5249	51.3493
0.9176	0.0141	61.98	-84.7426	0.0028	40.9412	51.6153
0.9178	0.0143	63.4874	-86.92	0.0027	41.2326	52.0191
0.9176	0.0144	64.7715	-88.8183	0.0028	41.7114	52.5411
0.9165	0.0148	66.1673	-91.0515	0.0028	42.1277	52.9598
0.9172	0.0147	67.9538	-92.838	0.0028	42.5649	53.3439
0.9164	0.0152	70.0196	-94.4013	0.0029	43.0332	53.7674
0.9144	0.0156	71.7503	-97.807	0.0031	43.4704	54.1959
0.9123	0.0162	74.8768	-101.0451	0.0032	43.996	54.5998
0.9097	0.0166	76.8309	-105.0091	0.0036	44.5476	55.1661
0.9073	0.0172	79.9016	-109.4197	0.0039	45.0524	55.6635

0.9036	0.0181	83.9214	-113.7745	0.0048	45.4843	55.9689
0.8983	0.019	87.9411	-120.1392	0.0056	46.0204	56.4564
0.8916	0.0202	91.5702	-126.8388	0.0067	46.5616	56.8455
0.8832	0.0214	95.9807	-133.9293	0.008	47.0612	57.0868
0.8737	0.0228	103.2945	-142.3597	0.0092	47.5504	57.5399
0.8625	0.0244	109.6592	-151.7951	0.0109	48.0291	57.8305
0.849	0.0262	115.8006	-161.1188	0.0124	48.56	58.4461
0.8318	0.0284	121.9978	-172.2849	0.0143	49.2209	59.4163
0.8116	0.0307	129.5907	-183.5068	0.0163	49.9703	60.8938
0.7871	0.0338	137.072	-194.1146	0.0185	50.6468	61.4651
0.7574	0.0365	146.5632	-205.169	0.0215	51.3233	61.8591
0.7215	0.0395	154.4911	-218.1217	0.0243	52.1456	62.6914
0.6746	0.0437	160.7441	-231.6885	0.0277	53.3841	65.1883

0.3736	0.0063	-50.4459	-72.8061	0.0055	19.9718	22.4522
0.7335	0.0077	30.0449	-32.9877	0	21.0928	24.873
0.7064	0.0117	26.5276	-34.3835	0.0001	23.7573	27.3404
0.6927	0.0132	29.3749	-34.3835	0	24.6316	29.2808
0.6824	0.0136	29.5983	-34.9976	0.0002	25.4903	30.8124
0.6767	0.0135	28.8166	-36.0584	0.0001	26.6247	32.1372
0.676	0.0134	28.9283	-36.9517	0.0001	27.6708	33.3882
0.6769	0.0135	29.3749	-38.0683	0.0001	28.5294	34.4027
0.6786	0.0136	30.7149	-39.4641	0.0001	29.4037	35.3434
0.6797	0.0138	31.1615	-40.5807	0.0002	30.278	36.1757
0.6805	0.0143	31.8315	-41.474	0.0002	31.1107	36.9538
0.6784	0.0146	32.0548	-41.7531	0.0002	31.985	37.7566
0.675	0.0149	31.8315	-42.3114	0.0003	32.7447	38.4461
0.6709	0.0152	31.5523	-42.9814	0.0005	33.3744	39.0321
0.6675	0.0155	31.3848	-43.0372	0.0007	33.8949	39.7511
0.6677	0.0159	31.8315	-43.1489	0.0011	34.2747	40.3027
0.6699	0.0164	32.3898	-43.763	0.0014	34.5506	40.8346
0.6744	0.0168	33.0598	-44.0422	0.0019	34.7743	41.2335
0.683	0.0173	33.8414	-44.098	0.0022	34.8368	41.6128
0.6947	0.0177	34.6788	-43.8189	0.0025	34.8316	41.9477
0.7091	0.0183	37.4704	-43.8747	0.0028	34.8628	42.2038
0.7232	0.0188	43.1651	-43.7072	0.003	34.8628	42.4648
0.741	0.0178	48.6923	-43.9305	0.0029	34.6442	42.7553

0.7597	0.0169	38.5312	-44.6005	0.0028	34.5662	43.1198
0.7778	0.0168	38.6428	-44.9913	0.0027	34.5402	43.366
0.7948	0.0164	39.3128	-44.9355	0.0025	34.5141	43.6615
0.8117	0.0163	39.9269	-45.7171	0.0026	34.5298	43.9669
0.8275	0.0161	40.3736	-47.1129	0.0026	34.5193	44.2919
0.8415	0.0158	40.7085	-47.6153	0.0025	34.5922	44.5874
0.8548	0.0156	41.3785	-49.1228	0.0025	34.6911	44.8632
0.8665	0.0157	41.7693	-50.1277	0.0027	34.7327	45.139
0.8764	0.0157	42.1601	-50.9093	0.0027	34.8472	45.4788
0.8852	0.0158	42.6626	-51.8026	0.0028	34.9253	45.8285
0.8909	0.0159	43.4442	-52.6401	0.0029	35.2583	46.2471
0.8983	0.016	43.7234	-53.2542	0.003	35.7683	46.7002
0.9051	0.0158	44.505	-54.5383	0.0028	36.0806	47.1828
0.9107	0.0159	44.84	-55.6549	0.0029	36.4448	47.5965
0.9158	0.0156	46.0124	-56.7157	0.0028	36.9861	48.1038
0.9204	0.0156	46.5707	-57.9998	0.0028	37.9801	48.7785
0.9245	0.0154	47.6874	-59.6747	0.0027	38.5473	49.3843
0.9287	0.0153	48.5806	-61.0147	0.0027	39.1302	49.8965
0.9316	0.0152	49.5298	-62.5221	0.0026	39.9784	50.5268
0.9339	0.0148	50.5905	-64.1412	0.0025	40.3479	51.044
0.9358	0.015	52.098	-65.7044	0.0025	40.9464	51.6497
0.9371	0.015	52.8238	-67.826	0.0024	41.472	52.2604
0.9381	0.0149	53.9962	-69.2776	0.0025	42.0496	52.9401
0.9389	0.0155	55.5595	-70.3942	0.0026	42.7626	53.6739
0.9395	0.0157	57.0111	-72.2366	0.0026	43.2414	54.4668
0.9399	0.0157	57.9602	-73.9673	0.0028	43.9023	55.1957
0.9394	0.0161	59.7467	-76.2564	0.0029	44.6881	55.9344
0.9397	0.0161	61.5333	-78.8246	0.0029	45.4115	56.6633
0.9392	0.0162	63.5432	-81.5603	0.003	46.6501	57.3577
0.9375	0.0166	66.0556	-84.3518	0.0032	47.8834	57.9782
0.9356	0.0171	68.8471	-87.8133	0.0032	49.2209	58.5545
0.935	0.0176	71.4712	-91.8331	0.0038	50.6	58.9337
0.9331	0.0181	75.4351	-96.2437	0.0042	51.0839	59.5345
0.9297	0.0193	79.3433	-101.9942	0.0047	51.7084	60.0615
0.9272	0.0202	83.4747	-108.0798	0.0052	51.9582	60.751
0.9244	0.021	87.3829	-114.2211	0.0059	52.5723	61.4207
0.9229	0.0217	91.4585	-120.0275	0.0066	53.2801	62.0364
0.9179	0.0229	95.8133	-127.6205	0.0073	53.7692	62.5239

0.9122	0.0244	102.2338	-135.8275	0.0086	54.6227	63.11
0.9091	0.0255	108.3751	-145.2071	0.0099	55.2108	63.6271
0.9033	0.0272	115.1306	-154.6982	0.0112	55.8405	64.287
0.8982	0.0285	121.1603	-164.5244	0.0129	56.3661	65.0849
0.8913	0.0304	127.7483	-174.9647	0.0145	56.8188	65.6857
0.8823	0.0327	134.7829	-186.075	0.016	57.0166	66.3604
0.8727	0.0346	142.0409	-197.2969	0.0186	57.2091	66.981
0.8588	0.0374	148.7406	-210.4729	0.0208	57.8232	66.4048

0.332	0.0099	5.58	-1.2034	0.0087	24.3089	25.1693
0.5532	0.0089	38.8661	-166.311	-0.0001	23.1953	26.5524
0.2399	0.0122	31.8315	-47.1129	0.0003	26.8069	28.5027
0.2283	0.0141	39.6478	-61.2938	0	27.244	30.3249
0.2194	0.0137	38.9778	-61.573	0.0001	28.0142	31.7629
0.2258	0.0134	39.8711	-62.5779	0.0001	28.9874	33.068
0.2421	0.0132	41.6577	-63.6387	0.0002	29.7108	34.0383
0.2601	0.0133	41.881	-64.4761	0	30.2936	34.9838
0.2772	0.0135	43.2767	-64.9228	-0.0001	31.0482	35.8014
0.2909	0.0136	43.3326	-65.7044	0.0001	31.7976	36.4958
0.2994	0.014	43.6117	-66.821	0.0002	32.5886	37.1853
0.303	0.0145	43.5559	-67.3793	0.0003	33.312	37.8452
0.3049	0.0149	43.0534	-68.1051	0.0004	33.9105	38.5051
0.3106	0.0154	43.7792	-68.2168	0.0008	34.3476	39.0469
0.3256	0.0159	43.7234	-67.8818	0.001	34.5506	39.5394
0.3475	0.0165	44.6167	-67.8818	0.0015	34.6807	39.9334
0.3732	0.0172	45.9008	-67.0443	0.0019	34.7171	40.1993
0.4026	0.0177	47.464	-67.491	0.0022	34.639	40.4653
0.4395	0.0178	49.9206	-66.8769	0.0024	34.4413	40.7657
0.4829	0.0168	49.5298	-66.7094	0.0024	34.2071	41.1794
0.5259	0.0168	50.2556	-68.0493	0.0023	34.1394	41.4946
0.5684	0.0167	50.423	-68.6076	0.0023	34.0562	41.7162
0.6092	0.0166	50.9255	-69.2776	0.0024	34.051	41.9329
0.6473	0.0165	51.9863	-70.0592	0.0024	34.103	42.1594
0.6823	0.0165	52.6004	-71.5666	0.0024	34.077	42.4057
0.7137	0.0165	52.4888	-72.7391	0.0024	34.129	42.6864
0.7436	0.0165	51.6513	-71.2316	0.0025	34.2279	43.1444
0.7692	0.0168	51.2605	-71.8458	0.0027	34.4205	43.5335

0.7909	0.0168	51.8746	-73.2415	0.0028	34.613	43.9028
0.8103	0.017	53.1029	-74.6931	0.0029	34.8264	44.3609
0.828	0.017	53.9962	-75.9772	0.003	34.894	44.612
0.8432	0.017	54.722	-77.2613	0.003	34.9357	44.9814
0.8565	0.0169	55.9503	-79.3271	0.0033	35.0658	45.3064
0.8669	0.0168	56.4527	-81.2253	0.0032	35.2011	45.73
0.8777	0.017	58.0718	-82.6211	0.0032	35.3728	46.0747
0.8867	0.0171	58.1835	-82.7885	0.0032	35.581	46.449
0.8944	0.017	59.2443	-83.5143	0.0031	35.8568	46.8233
0.901	0.017	59.5793	-84.2401	0.003	36.2211	47.1878
0.9075	0.0168	60.4725	-84.7426	0.0029	36.5229	47.7394
0.9126	0.0171	60.64	-85.9709	0.0031	36.9548	48.3254
0.9173	0.0171	61.1983	-87.3667	0.0032	37.4544	49.0937
0.9216	0.017	60.975	-85.5243	0.0033	38.1154	50.1427
0.9243	0.0174	62.0916	-87.4225	0.0034	38.4588	50.5121
0.9251	0.0178	63.2641	-89.544	0.0037	38.896	51.0243
0.9284	0.0179	64.6598	-91.7214	0.0039	39.3071	51.6103
0.9312	0.0182	66.5022	-93.8988	0.004	39.7286	52.1077
0.932	0.0186	68.1772	-97.472	0.0042	40.171	52.6938
0.9326	0.0187	70.2429	-99.2586	0.0043	40.6914	53.3488
0.932	0.0195	71.3037	-100.4868	0.0047	41.0921	54.3732
0.9321	0.0201	72.6436	-101.1568	0.0052	41.5657	55.3286
0.9308	0.021	75.2676	-105.3441	0.0057	42.0913	55.9738
0.9285	0.0221	79.0641	-109.978	0.0064	42.6273	56.417
0.9263	0.0233	83.0281	-115.0028	0.0071	43.1633	57.0179
0.9247	0.0238	87.2154	-121.4791	0.0076	43.7878	57.6335
0.9233	0.0246	92.5193	-128.0671	0.0083	44.4175	58.2885
0.9211	0.0252	97.0974	-134.041	0.0089	45.4896	60.0418
0.9181	0.0267	104.5228	-140.6848	0.0099	46.3794	62.3023
0.9131	0.0277	113.344	-151.2926	0.0107	46.7958	62.9229
0.9087	0.0293	123.3377	-164.9711	0.0122	47.3162	63.3661
0.9026	0.0313	134.0013	-182.3344	0.0139	47.9719	64.0014
0.8958	0.033	146.6749	-199.4743	0.0153	48.6901	64.6712
0.8867	0.0353	159.5717	-217.8984	0.0169	49.174	65.0061
0.8764	0.0373	173.3618	-237.6624	0.0187	49.5123	64.8633
0.8671	0.0389	185.7562	-254.1324	0.0197	49.9755	64.9667
0.8566	0.0412	196.9781	-268.3134	0.0208	50.2773	64.8534
0.8442	0.0429	205.5202	-287.8541	0.0212	50.6364	64.6515

0.8242 0.0456 213.8948 -312.5311 0.0205 51.0007 64.292

0.2201 0.0083 1.7109 -16.5792 0.0072 25.9762 25.218
0.7013 0.0092 41.4343 -33.2111 0 20.6973 26.055
0.6839 0.0124 25.9135 -35.2768 0.0001 23.9759 29.4975
0.6716 0.0147 25.6901 -35.7793 0.0002 25.5579 32.0584
0.6639 0.0151 25.746 -37.0634 0.0002 26.8797 34.1564
0.6615 0.0153 26.3601 -39.3524 0.0002 28.0611 35.8605
0.6631 0.0153 26.5276 -40.804 0.0002 29.1071 37.3823
0.6673 0.0153 26.9742 -41.9206 0 30.0386 38.6036
0.6729 0.0154 28.6491 -41.6973 0.0002 30.8661 39.7364
0.6767 0.0158 29.7658 -41.9206 0.0002 31.7716 40.7558
0.6786 0.0161 30.1007 -42.5348 0.0003 32.6667 41.5684
0.6788 0.0164 30.8265 -42.8697 0.0003 33.5566 42.386
0.6772 0.0168 30.3799 -43.3164 0.0005 34.3268 43.0853
0.6751 0.0172 30.5474 -43.8189 0.0007 35.0293 43.8142
0.6748 0.0178 30.4916 -44.2655 0.001 35.5289 44.4298
0.6793 0.018 31.1057 -44.3213 0.0011 35.8256 45.1193
0.6852 0.0184 31.8873 -44.6005 0.0016 35.9036 45.6069
0.6929 0.019 33.1156 -44.3772 0.0021 36.0285 46.2028
0.7023 0.0196 34.0089 -44.5447 0.0023 36.0025 46.6017
0.7159 0.0198 36.1304 -44.7121 0.0025 35.9765 46.9908
0.7329 0.0192 39.5361 -44.768 0.0027 35.7631 47.4242
0.7502 0.0185 39.3686 -45.2146 0.0026 35.659 47.8132
0.7678 0.0183 39.8711 -45.2146 0.0026 35.5497 47.8378
0.7852 0.0181 40.3177 -46.2754 0.0027 35.4249 47.8132
0.8007 0.0183 40.876 -47.5037 0.0026 35.3936 48.025
0.8176 0.0181 41.0435 -47.6712 0.0024 35.3624 48.2121
0.8323 0.0181 41.6577 -48.5644 0.0026 35.3312 48.4732
0.8454 0.0184 41.7693 -48.5086 0.0026 35.4717 48.7588
0.8576 0.0184 41.9368 -49.6252 0.0028 35.5081 49.0986
0.8674 0.0187 42.5509 -50.8535 0.0029 35.6434 49.4286
0.8778 0.0184 43.5559 -51.1327 0.0029 35.7579 49.6551
0.8858 0.0186 43.8909 -52.2493 0.003 35.9661 50.1526
0.8936 0.0187 44.17 -53.8683 0.0032 36.143 50.6746
0.9009 0.0187 44.2259 -54.5383 0.0034 36.3304 51.1326
0.9078 0.0187 44.9517 -55.0966 0.0032 36.5281 51.566

0.9132	0.0187	45.3983	-56.3249	0.0033	36.7259	51.9157
0.918	0.0188	46.0683	-57.4973	0.0034	36.9705	52.4525
0.9228	0.0186	46.9616	-58.3348	0.0036	37.1994	52.9548
0.9256	0.019	47.1849	-59.3397	0.0034	37.5117	53.5409
0.93	0.0189	47.5199	-60.4563	0.0034	37.7719	54.0876
0.9337	0.0188	48.4131	-61.0705	0.0034	38.0477	54.6145
0.9359	0.019	49.0273	-62.1871	0.0034	38.6097	55.3927
0.9381	0.0188	49.9206	-63.862	0.0033	38.948	56.1905
0.9398	0.0186	51.0372	-65.2019	0.0032	39.4424	56.9391
0.9427	0.0186	51.9305	-66.8769	0.0032	39.9004	57.6877
0.9447	0.0185	53.9404	-69.2776	0.0031	40.3948	58.4609
0.9466	0.0186	55.5595	-71.2875	0.0032	40.8996	59.1602
0.9481	0.0186	57.4019	-74.0232	0.0033	41.524	59.83
0.9489	0.0187	57.1785	-78.016	0.0034	42.1797	60.5638
0.9482	0.0192	61.8125	-79.7179	0.0036	42.7886	61.2041
0.9495	0.0193	64.0457	-83.1794	0.0038	43.3455	61.9526
0.9495	0.0196	67.8485	-90.1778	0.0042	43.8815	62.8638
0.9489	0.0206	70.5028	-94.7212	0.0046	44.2874	63.435
0.9488	0.0217	74.7785	-98.2859	0.0053	44.8442	64.095
0.9438	0.0222	78.4302	-104.9297	0.0057	45.3595	63.5828
0.9411	0.0234	81.071	-107.2322	0.0063	45.9735	65.2769
0.9382	0.024	84.4797	-110.2572	0.007	46.5252	65.9467
0.9376	0.0248	87.997	-116.566	0.0075	47.134	66.6461
0.935	0.0257	92.6867	-123.6565	0.0082	47.566	67.3454
0.9338	0.0266	97.5998	-131.0261	0.009	47.9979	68.0398
0.9329	0.0278	103.1829	-138.8982	0.0101	48.4663	68.4732
0.9316	0.0288	109.4917	-147.1611	0.0115	48.9399	68.8229
0.928	0.0303	115.4098	-156.4848	0.013	49.4186	69.1529
0.9263	0.0321	121.2161	-165.6969	0.0143	49.8974	69.4631
0.9223	0.0339	127.5808	-174.9089	0.0157	50.3918	69.6995
0.9175	0.0362	134.5596	-185.3492	0.018	50.8966	70.1526
0.9132	0.0385	141.8176	-196.292	0.0202	51.5107	70.6008
0.9048	0.0416	147.6798	-207.6814	0.0227	52.1612	70.783
0.8956	0.0442	152.5929	-221.1366	0.0243	52.718	70.8175
0.342	0.0015	8.7958	2.6202	0.0011	22.6883	24.0434
0.7253	0.0078	41.0435	-33.3227	0	20.4631	25.9909
0.7095	0.0123	28.37	-34.7185	-0.0001	22.9923	28.286

0.6985	0.0144	29.5983	-34.9976	0	24.2829	30.2608
0.6911	0.0152	29.2633	-35.8351	0	25.5631	31.9698
0.6887	0.0155	29.0958	-38.8499	0	26.8433	33.4522
0.6907	0.0155	29.5983	-39.8549	0	28.0611	34.8065
0.6946	0.0156	30.0449	-40.5807	0	29.1019	36.0131
0.6986	0.0158	30.9382	-40.9715	0.0001	30.0386	37.1015
0.7015	0.0159	31.7198	-41.5856	0.0001	30.8869	38.1062
0.7022	0.0158	31.8873	-42.0323	0.0002	31.6987	39.037
0.7009	0.016	32.2781	-42.4789	0.0002	32.4117	39.8595
0.6988	0.0162	32.0548	-43.1489	0.0003	33.0778	40.6327
0.6967	0.0164	32.1106	-43.6514	0.0004	33.6659	41.4256
0.6959	0.0168	32.1665	-44.1538	0.0008	34.1186	42.0215
0.6975	0.0173	32.5014	-44.2655	0.0012	34.4413	42.5977
0.7013	0.018	33.1714	-44.2655	0.0016	34.6755	43.0558
0.7084	0.0187	34.1205	-44.1538	0.002	34.8888	43.5286
0.7168	0.0192	34.623	-44.1538	0.0025	35.071	44.0013
0.7278	0.0198	36.9121	-43.6514	0.0029	35.1542	44.3953
0.7419	0.0203	38.5311	-43.5397	0.003	35.1594	44.7696
0.7575	0.0199	44.505	-43.5397	0.0032	35.1959	45.2227
0.7748	0.0192	41.1552	-44.0422	0.0033	35.1022	45.6709
0.7913	0.0189	41.1552	-44.2097	0.0032	35.1074	46.1338
0.8082	0.0188	41.3785	-44.6563	0.0032	35.1022	46.4244
0.8238	0.0186	41.6018	-44.8796	0.0032	35.0866	46.7593
0.8399	0.0185	42.1601	-46.1079	0.0032	35.1126	46.9711
0.8543	0.0183	42.5509	-46.8337	0.0033	35.1803	47.2813
0.8673	0.0186	43.0534	-47.5037	0.0035	35.2635	47.6409
0.8788	0.019	43.2767	-48.1178	0.004	35.3052	47.9363
0.8891	0.0194	43.7234	-49.2344	0.0043	35.3676	48.286
0.8989	0.0197	44.2259	-49.1228	0.0045	35.6122	48.6997
0.908	0.0199	44.505	-50.2394	0.0047	35.8828	49.1282
0.915	0.0202	44.84	-50.5185	0.0049	36.0702	49.468
0.9229	0.0204	45.6775	-51.4118	0.0051	36.2471	49.9112
0.9298	0.0205	46.0683	-52.3609	0.0054	36.5073	50.3643
0.9359	0.0207	46.2916	-52.6959	0.0055	36.8664	50.911
0.9407	0.0206	46.7941	-53.5892	0.0055	37.2307	51.3099
0.947	0.0204	47.2407	-54.4825	0.0056	37.4566	51.832
0.9527	0.0203	47.7432	-55.4316	0.0056	37.6635	52.3934
0.9575	0.0204	48.5248	-56.604	0.0057	37.8015	52.8219

0.9611	0.0203	49.4181	-57.2182	0.0057	37.9436	53.4966
0.9652	0.0204	49.2506	-58.6698	0.0059	38.4484	53.9841
0.9679	0.0204	49.8089	-59.1722	0.0058	38.7711	54.5406
0.9705	0.0202	50.3114	-61.0147	0.0058	38.9896	55.1563
0.9728	0.0204	51.3722	-61.0147	0.0058	39.2238	55.57
0.9744	0.0204	52.0421	-62.4104	0.0057	39.5725	56.1018
0.9756	0.0202	52.8238	-63.192	0.0057	39.9836	56.7421
0.9755	0.0203	53.7729	-65.0903	0.0056	40.3219	57.2937
0.977	0.0202	54.9453	-66.486	0.0057	40.733	57.9585
0.9773	0.0205	56.1736	-68.2168	0.0056	41.1233	58.5052
0.978	0.0202	57.681	-69.7242	0.0055	41.5188	59.0617
0.9777	0.0203	59.3559	-72.2366	0.0054	41.9404	59.6921
0.9776	0.0207	60.4725	-73.6882	0.0055	42.3203	60.2979
0.9779	0.0209	62.3708	-76.2564	0.0057	42.7366	60.943
0.9773	0.0211	64.4923	-79.1037	0.0058	43.1425	61.5931
0.9773	0.0214	66.8372	-82.2303	0.0058	43.5901	62.2038
0.9762	0.0217	69.2938	-86.585	0.0062	44.0532	62.9228
0.9755	0.0223	72.0295	-90.0465	0.0066	44.3915	63.4646
0.974	0.0235	74.5418	-93.0614	0.0071	44.8234	63.9669
0.973	0.0244	76.9984	-97.3603	0.0076	45.2814	64.489
0.9713	0.0255	80.1249	-100.766	0.0086	45.6353	64.8288
0.97	0.0265	82.6931	-105.7349	0.0094	46.1401	65.3065
0.969	0.0274	85.7638	-110.8155	0.0104	46.7593	66.0255
0.9661	0.0287	90.2302	-117.4035	0.0113	47.2746	66.5722
0.9653	0.0302	96.1482	-123.2657	0.0128	47.6961	67.0745
0.9631	0.0319	99.6656	-129.8537	0.0144	48.1697	67.4045
0.9582	0.0338	104.802	-137.7816	0.0162	48.7681	67.8625
0.9562	0.0361	109.3242	-145.3746	0.0182	49.3822	68.2516
0.9524	0.0385	114.7956	-153.7491	0.021	50.0587	68.7096
0.9482	0.0401	121.3278	-161.7887	0.0231	50.626	69.0494
0.9431	0.0428	126.2409	-171.3357	0.0257	51.7501	69.5025
0.9372	0.0459	130.9865	-181.8877	0.0287	52.5047	69.862
0.3459	0.0081	4.977	-0.3995	0.0053	19.0678	21.2067
0.7549	0.0071	26.2484	-27.4605	-0.0003	20.6192	24.4593
0.701	0.0124	28.6491	-33.8252	-0.0002	25.1572	28.02
0.6865	0.0145	25.1877	-35.2768	0	26.2761	30.4972
0.6789	0.0147	24.5735	-36.1701	-0.0001	27.2128	32.3933

0.677	0.0145	26.6392	-38.18	0.0001	28.2068	33.9989
0.6782	0.0145	28.8166	-39.6316	0.0001	29.1487	35.3975
0.681	0.0146	27.0859	-39.3524	-0.0001	29.9241	36.5697
0.6847	0.015	27.0859	-39.4082	-0.0002	30.6943	37.6039
0.6877	0.0153	26.9742	-39.5199	0	31.3396	38.5002
0.6896	0.0155	27.8117	-39.8549	0.0001	31.9381	39.3572
0.69	0.0157	27.9792	-41.0832	0.0001	32.6355	40.2683
0.6894	0.0158	28.2025	-41.9765	0.0002	33.1611	40.8987
0.6884	0.0161	28.37	-42.4789	0.0003	33.593	41.529
0.6886	0.0161	28.9283	-42.9814	0.0005	33.9209	42.0511
0.6899	0.0169	29.3191	-42.8697	0.0007	34.1915	42.4648
0.6946	0.0171	29.8216	-42.9256	0.0008	34.4205	42.8883
0.7006	0.0174	31.4965	-42.8697	0.0012	34.4933	43.2084
0.7091	0.0178	33.4506	-43.0372	0.0017	34.5193	43.435
0.7186	0.0184	35.4605	-43.3164	0.002	34.6494	43.6911
0.7292	0.0192	39.2011	-43.1489	0.0023	34.8004	43.9964
0.7425	0.0189	53.8845	-42.9814	0.0025	34.9305	44.2427
0.757	0.0177	39.3686	-43.8189	0.0025	35.0085	44.7155
0.7714	0.0178	39.1453	-44.1538	0.0026	35.0293	45.0996
0.7868	0.0175	39.5919	-44.8238	0.0026	35.1022	45.4837
0.8014	0.0173	39.8153	-44.9355	0.0025	35.2375	45.8728
0.8156	0.0174	40.2619	-45.2704	0.0026	35.2895	46.1683
0.8289	0.0173	40.5969	-45.9404	0.0026	35.4249	46.4786
0.8407	0.0174	40.7644	-46.9454	0.0029	35.5081	46.7938
0.8517	0.0173	40.9319	-48.2295	0.0029	35.6278	47.1927
0.8635	0.0174	41.4343	-49.1228	0.0032	35.7475	47.5571
0.8722	0.0176	41.2668	-49.7927	0.0033	35.9088	47.828
0.8799	0.0178	41.9926	-50.4627	0.0038	36.0962	48.1383
0.8867	0.0181	42.216	-51.5793	0.0038	36.2055	48.547
0.8923	0.0186	42.1601	-52.1376	0.0042	36.5281	49.0247
0.8976	0.0189	42.6626	-52.8634	0.0045	36.7519	49.3498
0.903	0.019	42.8301	-53.4775	0.0048	36.9757	49.7635
0.9075	0.0192	43.5559	-54.8175	0.0049	37.2151	50.1673
0.9118	0.019	43.3326	-55.4316	0.005	37.4961	50.714
0.9153	0.0191	44.1142	-56.3249	0.005	37.7771	51.0587
0.9188	0.0192	44.7842	-56.9949	0.005	38.0165	51.5709
0.922	0.0191	44.7283	-58.2231	0.0052	38.3964	52.1422
0.9253	0.0189	45.5658	-59.7305	0.0051	38.6982	52.6347

0.9275	0.0189	46.0124	-60.903	0.005	38.9428	53.1962
0.9295	0.019	46.9616	-62.1871	0.005	39.3227	53.6985
0.93	0.019	47.464	-63.4712	0.0052	39.6662	54.319
0.9313	0.0193	48.2457	-64.5878	0.0051	39.9368	54.7967
0.9319	0.0195	49.1389	-65.7602	0.0053	40.3219	55.5059
0.9325	0.0195	49.8089	-66.9885	0.0052	40.7642	56.0033
0.932	0.02	51.093	-67.9935	0.0056	41.1181	56.5845
0.9319	0.0202	52.3771	-69.78	0.0057	41.5501	57.0967
0.9325	0.0204	53.4937	-71.3433	0.0057	41.8831	57.5301
0.9324	0.0202	55.727	-73.8557	0.0059	42.3099	58.0423
0.9314	0.0206	57.4019	-75.7539	0.0062	42.6741	58.584
0.9287	0.0213	59.2443	-78.0988	0.0064	43.1165	59.1159
0.9285	0.0217	61.3658	-81.5603	0.0069	43.4964	59.633
0.9265	0.0222	64.1015	-84.3518	0.0073	43.9804	60.0024
0.925	0.0229	66.7256	-87.925	0.0077	44.4383	60.6574
0.922	0.0234	69.3496	-91.8331	0.0079	44.8755	61.2287
0.9197	0.0246	71.527	-96.1879	0.0087	45.297	61.7803
0.9171	0.025	74.5418	-100.3752	0.0093	45.7393	62.3171
0.9143	0.0259	78.8966	-104.5066	0.0101	46.1765	62.9475
0.9114	0.0268	81.8556	-108.5822	0.0109	46.6761	63.8931
0.9073	0.0274	83.7539	-114.3328	0.0119	47.1444	64.3905
0.9026	0.0286	87.2712	-121.4233	0.0132	47.8938	65.1391
0.8967	0.0304	91.5701	-126.6155	0.0144	48.4975	65.927
0.8895	0.0322	95.4783	-132.0311	0.0161	49.0231	66.3161
0.8802	0.0342	99.6097	-139.7915	0.0183	49.8245	67.1238
0.8672	0.0362	103.6295	-146.547	0.0205	50.6104	67.5818
0.8523	0.0385	106.0302	-153.9166	0.0228	51.3337	67.9857
0.8276	0.0414	108.9893	-173.1223	0.0253	52.0051	68.2171

0.2684	0.0111	0.304	-1.8566	0.0081	21.035	23.7376
0.6975	0.0069	30.1007	-40.3015	0.0001	20.817	26.5721
0.716	0.0125	38.8661	-46.1079	0.0002	24.3349	28.7538
0.7054	0.0138	34.5114	-48.2853	0.0002	25.4798	30.645
0.6975	0.0141	34.0089	-49.1228	0.0002	26.7809	32.418
0.6939	0.0141	33.5064	-50.016	0.0002	28.0611	33.9989
0.6929	0.0142	33.7856	-50.5743	0.0003	29.1591	35.3483
0.6935	0.0142	34.288	-51.7468	0.0002	29.9397	36.5352
0.6937	0.0143	35.3488	-52.2493	0.0003	30.7204	37.5694

0.6928	0.0148	35.5163	-53.31	0.0002	31.501	38.4017
0.691	0.0151	36.5771	-54.0917	0.0005	32.2816	39.3079
0.6873	0.0155	37.4704	-55.0966	0.0005	33.057	40.1057
0.6826	0.0159	38.0287	-55.7108	0.0007	33.7647	40.8445
0.678	0.0163	39.5919	-56.4924	0.0011	34.3632	41.5537
0.6745	0.0169	39.9269	-57.4415	0.0012	34.8784	42.2333
0.6742	0.0171	39.8153	-57.7765	0.0014	35.2739	42.8637
0.6768	0.0175	40.3177	-58.3348	0.002	35.6226	43.4251
0.6818	0.0182	41.211	-58.3348	0.0025	35.9401	44.0457
0.6896	0.0185	41.546	-58.2789	0.003	36.2523	44.5283
0.6994	0.0189	41.211	-59.5631	0.0033	36.4032	44.9765
0.7123	0.0192	43.1093	-57.944	0.0036	36.4032	45.3557
0.7266	0.0198	45.3425	-58.1673	0.0039	36.4553	45.6167
0.742	0.0201	52.7121	-57.7765	0.0039	36.4292	45.9713
0.7593	0.0182	51.3722	-58.9489	0.0037	36.3095	46.385
0.776	0.0179	49.5856	-60.903	0.0038	36.3772	46.6706
0.7913	0.0182	50.0322	-59.0606	0.0038	36.4449	46.9809
0.8054	0.0181	50.3672	-60.1214	0.0038	36.5489	47.3257
0.8194	0.0181	50.3672	-60.9588	0.0039	36.6426	47.6606
0.8319	0.018	50.4789	-61.573	0.0039	36.7467	48.089
0.8433	0.0183	51.1488	-62.1871	0.0041	36.9236	48.4978
0.8528	0.0185	51.428	-63.2479	0.0043	37.1058	48.8524
0.863	0.0186	51.9863	-64.0295	0.0047	37.2775	49.2562
0.8713	0.0189	52.5446	-64.6995	0.0048	37.4701	49.6798
0.878	0.0191	52.9913	-65.6486	0.0052	37.6366	50.0196
0.8838	0.019	53.3821	-66.7652	0.0052	37.8656	50.389
0.89	0.0193	54.1637	-67.2677	0.0054	38.0945	50.975
0.8952	0.0193	54.7778	-68.4401	0.0056	38.3183	51.4921
0.9	0.0196	55.2803	-69.3892	0.0058	38.5473	52.0683
0.9047	0.0194	55.3361	-70.2267	0.0057	38.7086	52.6249
0.9097	0.0195	55.7828	-70.9525	0.0057	38.87	53.1321
0.9134	0.0198	56.4527	-71.5666	0.0058	39.1406	53.733
0.9177	0.0196	56.5086	-72.4599	0.0057	39.4008	54.3092
0.9209	0.0196	57.346	-73.6882	0.0057	39.8275	54.9642
0.923	0.0195	58.2952	-74.9164	0.0057	40.3063	55.4862
0.9253	0.0197	58.8535	-76.0331	0.0057	40.5873	55.9787
0.9276	0.0195	59.4118	-76.8147	0.0057	40.9672	56.6042
0.9299	0.0197	60.5284	-78.2104	0.0058	41.4408	57.338

0.9315	0.0195	61.31	-79.1596	0.0059	41.8623	57.8502
0.9317	0.0198	62.4824	-80.7228	0.0058	42.3255	58.4658
0.9331	0.0199	63.1524	-82.0628	0.006	42.721	59.1159
0.9338	0.0204	64.3248	-83.7377	0.006	43.0853	59.6823
0.9338	0.0207	65.3856	-85.5243	0.0063	43.5849	60.357
0.9335	0.021	66.893	-86.92	0.0061	44.0792	61.0514
0.9337	0.021	67.9538	-88.5391	0.0063	44.4383	61.5242
0.9351	0.0213	69.0146	-89.5999	0.0065	44.9431	62.0511
0.9351	0.0218	70.0754	-90.9398	0.0068	45.4063	62.6668
0.9346	0.0223	71.7503	-92.8939	0.007	45.7758	63.2233
0.9343	0.0226	73.5369	-94.513	0.0072	46.2962	63.6616
0.9337	0.0227	75.156	-96.802	0.0074	46.7229	64.1836
0.932	0.0229	77.5008	-99.7052	0.0077	47.2641	64.7303
0.9317	0.0236	79.0641	-102.4967	0.0083	47.6544	65.1834
0.9305	0.024	81.3532	-106.5165	0.0087	48.0187	65.6069
0.9295	0.0251	82.6373	-110.0338	0.0096	48.383	65.9812
0.9273	0.0261	85.5404	-114.0536	0.0106	50.0015	66.4491
0.9237	0.0271	88.1087	-118.2409	0.012	53.9046	66.7594
0.9207	0.0286	90.2302	-122.9307	0.0137	55.2732	67.0204
0.9173	0.0298	92.6309	-128.2346	0.0149	55.4137	67.1533
0.9116	0.0317	95.4783	-134.3759	0.0168	55.3461	67.2863
0.9059	0.0342	99.2747	-139.7357	0.0182	55.0234	67.4636
0.8999	0.0359	104.0203	-145.0396	0.0202	55.3513	67.5769
0.8937	0.0377	107.9843	-149.7852	0.0226	55.5282	67.5818
0.8859	0.0405	110.9992	-156.2615	0.0247	55.9758	67.6852
0.875	0.0434	111.725	-163.6311	0.0281	56.3661	67.6015

0.3692	0.0086	-37.5826	-50.7977	0.0078	22.96	24.5532
0.7521	0.0064	25.5226	-40.6924	-0.0003	22.0243	25.8186
0.6949	0.0111	34.3997	-47.5037	-0.0002	25.5163	28.2367
0.6801	0.0129	33.1156	-49.2902	-0.0003	27.218	30.7533
0.6723	0.0132	33.2831	-49.7927	-0.0001	28.441	32.615
0.6715	0.0131	32.7806	-49.9044	-0.0001	29.6639	34.1959
0.6734	0.0134	33.3947	-49.5694	-0.0002	30.6319	35.6586
0.6769	0.0135	33.3389	-48.8994	-0.0001	31.4645	36.8799
0.6811	0.0138	34.2322	-48.6761	-0.0001	32.1619	37.924
0.685	0.014	35.1813	-49.0111	-0.0001	32.7864	38.8844
0.687	0.0144	35.3488	-49.0669	-0.0001	33.4525	39.7315

0.6882	0.0144	35.9629	-49.1228	-0.0001	34.0197	40.5244
0.6886	0.0147	36.6329	-49.5694	-0.0001	34.5766	41.2286
0.6899	0.0148	37.0795	-50.5743	0.0001	35.0189	41.928
0.6929	0.0151	37.8054	-50.7418	0.0002	35.3832	42.5436
0.6978	0.0157	39.5919	-50.7977	0.0003	35.6382	43.0361
0.7054	0.016	41.8251	-51.4676	0.0004	35.8776	43.5483
0.7151	0.0164	43.6676	-51.4676	0.0006	36.0754	43.9915
0.7278	0.0159	42.8859	-51.6351	0.0007	36.1118	44.4446
0.7416	0.0157	41.881	-51.9701	0.0009	36.1482	44.8287
0.757	0.0154	42.2718	-52.3609	0.0006	36.1638	45.1932
0.774	0.0149	42.3834	-52.7517	0.0007	36.1534	45.5182
0.7909	0.0146	43.2209	-53.8125	0.0006	36.0858	45.7891
0.8079	0.0142	43.7234	-53.98	0.0005	36.0129	46.1486
0.8241	0.014	44.6167	-54.985	0.0006	36.0806	46.4687
0.8397	0.0137	45.3983	-56.0457	0.0005	36.0858	46.8282
0.8534	0.0137	46.4033	-57.0507	0.0006	36.1378	47.109
0.8659	0.0135	46.6824	-57.9998	0.0004	36.2471	47.4685
0.8763	0.0138	47.4082	-58.7256	0.0004	36.424	47.9019
0.8851	0.0138	47.7432	-59.6747	0.0005	36.6426	48.3106
0.8933	0.0137	48.6365	-60.9588	0.0005	36.8352	48.7342
0.9002	0.0137	49.1948	-61.5171	0.0006	37.0798	49.1626
0.9067	0.0136	49.9764	-62.4104	0.0006	37.418	49.729
0.9123	0.0136	50.4789	-63.527	0.0005	37.7251	50.2905
0.9172	0.0136	51.3163	-64.5878	0.0005	38.1622	50.8864
0.9219	0.0134	52.2096	-65.2019	0.0003	38.5889	51.5168
0.9256	0.0133	52.8796	-66.5419	0.0005	39.1093	52.1964
0.9289	0.0133	54.2754	-67.8818	0.0004	39.4892	52.8022
0.9312	0.0134	54.6662	-69.6684	0.0005	40.0149	53.4916
0.9336	0.0131	56.1736	-70.8967	0.0004	40.4988	54.1319
0.935	0.0132	57.1785	-72.7949	0.0004	41.0349	54.8017
0.9361	0.013	57.9602	-74.414	0.0003	41.6281	55.5847
0.9368	0.013	59.2443	-76.0889	0.0003	42.2578	56.3678
0.937	0.0128	60.4167	-77.9871	0.0003	42.8719	57.0721
0.9359	0.0132	62.1475	-79.8854	0.0004	43.4287	57.7024
0.9353	0.0132	63.3199	-82.2302	0.0003	44.1105	58.4953
0.9346	0.0135	65.1623	-83.5702	0.0004	44.6465	58.9878
0.9332	0.0136	67.2839	-86.0267	0.0002	45.297	59.6527
0.9325	0.0138	69.3496	-88.6507	0.0004	45.8903	60.2437

0.9312	0.014	71.3595	-91.6656	0.0003	46.4939	60.8692
0.9297	0.0146	74.6535	-95.6296	0.0005	47.1236	61.5833
0.9275	0.015	77.6683	-99.5377	0.0006	47.8314	62.2925
0.9251	0.0155	82.3023	-104.6741	0.0007	48.5235	62.9721
0.9221	0.0159	87.1037	-111.3738	0.0009	49.0596	63.504
0.9184	0.0167	93.0217	-118.4643	0.0011	49.6632	63.9275
0.914	0.0171	100.0564	-127.6205	0.0014	50.3033	64.3708
0.9084	0.0177	109.2126	-140.3498	0.0019	50.8654	64.75
0.9029	0.0188	120.9928	-153.6375	0.0024	51.5367	65.1489
0.8958	0.02	137.9653	-167.6509	0.003	52.2184	65.8088
0.8854	0.022	151.9788	-187.3591	0.0041	52.8845	66.3407
0.874	0.024	169.6212	-205.6157	0.0051	53.4102	66.5476
0.8595	0.0257	185.0304	-228.0596	0.0066	53.9306	67.0746
0.8433	0.0269	196.6431	-248.326	0.0075	54.8205	68.3353
0.8264	0.0283	211.4382	-267.2526	0.0082	55.3929	68.749
0.8057	0.0299	227.8524	-287.519	0.0093	55.726	68.8918
0.781	0.0311	241.6425	-308.6788	0.0101	55.9602	68.9312
0.7461	0.0336	256.8843	-336.2591	0.0115	56.1891	68.9312
0.6992	0.0368	262.4673	-397.3376	0.0126	55.4241	67.5375
0.2523	0.0026	-77.3283	-96.1209	0.0022	26.3041	25.023
0.7118	0.0081	30.4916	-32.1503	0	22.909	26.4194
0.6965	0.0114	22.5078	-33.7694	0	25.8181	29.1921
0.6856	0.0135	20.5537	-34.0485	0.0002	27.4782	31.3345
0.6816	0.0138	21.8378	-33.9369	0.0002	28.8469	33.2749
0.6832	0.0138	22.5078	-34.4393	0.0001	30.0074	34.9149
0.6866	0.0138	22.7311	-34.7185	0.0001	31.1367	36.4416
0.6898	0.0137	23.4569	-35.3326	0.0001	32.0526	37.6728
0.6934	0.0139	24.1827	-36.2259	0.0002	32.9789	38.7268
0.6962	0.0142	24.6852	-38.6824	0.0002	33.8324	39.6526
0.697	0.0144	25.1877	-40.2457	0.0002	34.6026	40.416
0.6972	0.0148	26.0809	-41.1948	0.0003	35.2895	41.2335
0.6974	0.0151	26.6951	-41.5856	0.0005	35.7527	41.8787
0.6987	0.0156	28.37	-42.0323	0.0007	36.0962	42.5288
0.7021	0.0161	31.9431	-40.9715	0.0007	36.4188	43.0952
0.7064	0.0168	38.5311	-40.2457	0.0011	36.5697	43.6468
0.7155	0.017	48.6923	-41.9206	0.0013	36.6634	44.1491
0.7272	0.0163	32.8364	-42.1439	0.0016	36.6634	44.7302
0.7392	0.0162	33.2831	-42.3114	0.0016	36.8248	45.1981

0.7531	0.0159	33.5622	-42.3673	0.0017	36.8768	45.5921
0.7677	0.0156	34.0089	-42.5906	0.0017	36.9392	46.0255
0.7826	0.0153	34.5114	-43.0931	0.0014	36.9392	46.4342
0.7977	0.0149	34.7347	-43.4839	0.0014	36.9392	46.8578
0.8122	0.0146	35.2371	-43.9305	0.0013	36.8664	47.2173
0.8261	0.0144	35.5163	-44.3213	0.0012	36.9028	47.5867
0.8397	0.0143	36.1863	-44.9355	0.0011	36.882	47.8231
0.8519	0.0142	36.5212	-45.0471	0.0012	36.9288	47.9807
0.8625	0.0142	37.1354	-44.9913	0.0011	36.9496	48.355
0.8717	0.0141	38.0845	-45.5496	0.0011	37.0745	48.5618
0.8809	0.0143	38.252	-46.6104	0.0011	37.1682	49.0247
0.8894	0.0141	39.1453	-47.0012	0.001	37.3139	49.4778
0.8963	0.0142	39.5361	-48.1736	0.0011	37.4961	49.9753
0.9046	0.0141	39.9269	-49.1228	0.001	37.7407	50.5662
0.9127	0.0139	39.8711	-50.1835	0.0011	37.9436	51.1474
0.9176	0.014	40.6527	-51.1326	0.001	38.2455	51.63
0.9221	0.0139	41.3785	-51.6351	0.0011	38.5057	52.1422
0.9276	0.0138	41.3227	-52.5842	0.0011	38.7815	52.7431
0.9317	0.0136	41.7135	-53.8683	0.001	39.125	53.3784
0.9343	0.0136	42.1043	-54.5383	0.001	39.4684	54.0432
0.936	0.0135	42.8859	-56.0457	0.001	39.8171	54.6293
0.9372	0.0135	43.2767	-56.8274	0.001	40.2126	55.2646
0.9399	0.0134	44.0025	-57.609	0.001	40.7122	55.9492
0.9409	0.0136	44.84	-58.5581	0.001	41.1233	56.6436
0.9394	0.0138	45.3983	-59.7864	0.001	41.6125	57.3478
0.9418	0.0136	46.1799	-60.7355	0.0006	42.0913	58.2245
0.943	0.0137	47.2407	-62.1871	0.0007	42.5753	58.8499
0.9441	0.0137	48.1898	-64.197	0.0008	43.0957	59.5444
0.9448	0.0137	49.6414	-65.9277	0.0008	43.5328	60.2585
0.9456	0.0137	51.2605	-67.6027	0.0009	44.1261	60.9283
0.9459	0.0138	52.7679	-70.1709	0.0008	44.7298	61.6621
0.9452	0.0141	54.387	-71.9016	0.0008	45.2137	62.258
0.9459	0.0144	56.4527	-74.9164	0.0009	45.7081	62.9524
0.9448	0.0146	59.1884	-78.4896	0.001	46.2129	63.6025
0.945	0.0149	62.2591	-82.7885	0.0012	46.5928	64.2624
0.9443	0.0152	65.5531	-87.0317	0.0013	47.0352	64.8288
0.9437	0.0162	69.5171	-91.3865	0.0014	47.6024	65.2375
0.9427	0.0169	74.0394	-96.9137	0.0017	48.1488	65.538

0.9405	0.0176	79.0641	-103.725	0.0022	48.6901	65.6266
0.9381	0.0186	85.3171	-111.9879	0.0026	48.8098	65.5626
0.9358	0.0198	92.4634	-122.3166	0.0033	49.122	65.6512
0.9319	0.021	101.173	-134.3201	0.0042	49.4655	65.6857
0.9288	0.0221	110.8875	-147.2728	0.0051	49.9807	65.6365
0.926	0.023	121.5511	-154.9774	0.0057	50.1732	65.6808
0.919	0.0252	135.6204	-171.0007	0.0072	49.6268	66.1388
0.9128	0.0267	149.1314	-180.0453	0.0082	50.0015	66.5919
0.9066	0.0285	163.9265	-202.6567	0.0096	50.1108	65.3607
0.8992	0.0306	180.1173	-230.4603	0.011	49.5852	63.568
0.8883	0.0331	189.7202	-255.3607	0.0124	50.1784	63.2824
0.8746	0.036	206.4693	-280.7077	0.0146	52.3694	63.3119
0.864	0.0373	219.5337	-288.2448	0.0159	53.3217	63.5434
0.8457	0.0409	226.2333	-316.4393	0.0174	52.156	63.1592
0.3798	0.0119	-15.323	-25.6237	0.0108	21.8171	25.382
0.7771	0.0053	27.4767	-31.4245	-0.0004	20.3486	28.0299
0.719	0.0106	29.9332	-37.51	-0.0002	24.3766	30.2313
0.7052	0.0117	28.5375	-40.7482	-0.0002	25.7088	32.2062
0.6991	0.0121	29.0958	-41.8648	-0.0001	27.1972	33.8659
0.6993	0.0118	29.3191	-42.0323	-0.0001	28.5034	35.3286
0.7026	0.0119	30.0449	-42.5348	-0.0002	29.487	36.5992
0.7076	0.0119	30.6032	-42.5348	-0.0002	30.278	37.6039
0.7126	0.0122	31.3848	-43.0931	-0.0002	31.0482	38.5544
0.7168	0.0122	31.7757	-43.3164	-0.0002	31.782	39.3769
0.719	0.0124	31.9431	-44.2097	-0.0001	32.5834	40.1353
0.7191	0.0128	32.2223	-44.4888	0.0001	33.3588	40.8888
0.7182	0.013	32.3898	-44.8796	0.0001	34.0614	41.6029
0.7185	0.0133	32.5573	-44.9913	0.0003	34.6442	42.2284
0.7217	0.0138	32.9481	-45.0471	0.0006	35.0762	42.8637
0.7278	0.0143	32.9481	-45.103	0.0008	35.3936	43.4301
0.7365	0.0147	33.8414	-44.7121	0.0009	35.659	43.9078
0.7467	0.015	35.9629	-44.8796	0.0013	35.7631	44.3264
0.7587	0.0154	37.4704	-44.9355	0.0015	35.7631	44.5086
0.7726	0.0155	43.7234	-44.8238	0.0014	35.7007	44.5923
0.7882	0.0148	49.5298	-45.1588	0.0014	35.5185	44.8189
0.8038	0.0137	42.6626	-45.4938	0.0014	35.3832	45.0109
0.8187	0.0133	42.8859	-45.8288	0.0012	35.3468	45.1488

0.8331	0.0129	43.4442	-47.0012	0.0012	35.2843	45.3705
0.8462	0.0128	43.7792	-47.7828	0.0011	35.2791	45.4887
0.8594	0.0127	44.17	-48.3411	0.001	35.2479	45.7103
0.8711	0.013	44.5608	-49.4577	0.0012	35.3364	46.1092
0.8812	0.0129	44.8958	-50.2394	0.0012	35.4561	46.4342
0.89	0.0128	45.175	-50.7418	0.0012	35.6018	46.7938
0.8979	0.0129	45.2866	-51.4676	0.0012	35.862	47.2567
0.9053	0.0128	45.7333	-52.4726	0.0012	36.0962	47.7344
0.9122	0.013	45.9566	-53.4775	0.0013	36.3356	48.286
0.918	0.0131	46.5707	-54.8733	0.0012	36.5281	48.7736
0.9234	0.013	46.7941	-56.2691	0.0013	36.6894	49.1873
0.9281	0.013	47.2407	-57.4415	0.0013	36.9132	49.7142
0.933	0.0129	47.9665	-58.5581	0.0013	37.137	50.3249
0.9369	0.0128	48.1898	-60.0655	0.0013	37.3972	50.8617
0.9398	0.0129	48.9156	-61.4613	0.0013	37.673	51.3148
0.9422	0.0128	49.9206	-61.7963	0.0013	37.9905	51.827
0.9444	0.0126	50.1439	-63.2479	0.0013	38.3443	52.5313
0.9463	0.0126	50.9255	-65.2578	0.0013	38.6566	53.2159
0.9487	0.0129	51.9863	-66.5977	0.0013	38.8752	53.7182
0.9513	0.014	52.9912	-67.6585	0.0012	39.2394	54.2107
0.953	0.0143	53.7729	-69.7242	0.0013	39.6662	54.9494
0.955	0.0142	54.8337	-71.5108	0.0013	40.2178	55.8162
0.9563	0.0147	56.2853	-72.9624	0.0013	40.7018	56.5943
0.9573	0.0147	57.5135	-75.5864	0.0014	41.1598	57.4217
0.9591	0.0147	59.4118	-77.5405	0.0015	41.6281	58.1408
0.9601	0.0147	61.5333	-79.7737	0.0015	42.1537	58.8105
0.9604	0.0148	63.3757	-82.7885	0.0015	42.7262	59.6182
0.9612	0.0151	65.5531	-85.9709	0.0015	43.2622	60.3077
0.9612	0.0157	68.2888	-89.4324	0.0017	44.022	61.0218
0.9613	0.016	71.6386	-93.508	0.0019	44.6465	61.7655
0.9609	0.0164	75.2676	-97.5278	0.0021	45.2658	63.9965
0.9591	0.0178	79.5107	-100.2077	0.0023	45.755	67.2863
0.957	0.0187	84.6472	-106.4607	0.0027	45.781	67.4735
0.9558	0.0195	90.0627	-113.8303	0.0033	46.1245	67.7788
0.9541	0.0205	95.9249	-121.8141	0.004	46.9467	68.03
0.9529	0.0211	100.9497	-128.4579	0.0043	47.2121	68.1482
0.951	0.0225	107.761	-140.0148	0.0055	47.7273	68.6161
0.9481	0.0238	116.303	-152.8	0.0068	48.1384	68.1433

0.9452	0.026	125.5709	-166.646	0.0082	48.2633	66.2176
0.9419	0.0273	137.4628	-180.1011	0.0095	48.8046	66.1339
0.9346	0.0305	150.7505	-199.3068	0.012	49.5227	66.0748
0.9296	0.0333	162.754	-216.7818	0.0141	49.835	65.8039
0.9239	0.035	176.0417	-227.2221	0.0158	50.3606	65.7399
0.9165	0.0375	189.8877	-245.4229	0.0179	51.0163	65.7054
0.9091	0.0402	200.0488	-267.4759	0.0202	51.7709	65.2375

0.2699	0.0034	6.8362	-7.0824	0.0008	22.7398	24.1587
0.6831	0.009	38.4195	-40.6923	-0.0002	20.3694	26.0796
0.6548	0.0127	27.8117	-41.809	0	23.0964	28.4534
0.6402	0.0145	27.2534	-42.2556	-0.0001	24.0539	30.0934
0.63	0.015	28.1467	-43.2606	0	25.1104	31.5659
0.6265	0.0149	29.04	-43.0372	0	26.1928	32.8218
0.6269	0.0146	29.3749	-43.763	-0.0001	27.1868	33.9398
0.6284	0.0149	30.0449	-44.0422	0	28.0559	34.905
0.63	0.0149	30.6032	-44.8238	0	28.9041	35.7669
0.6304	0.015	31.1057	-44.8238	0.0001	29.7004	36.5253
0.6284	0.0155	31.4965	-46.0521	0.0001	30.5434	37.1951
0.625	0.0159	32.1665	-45.6054	0.0003	31.2928	37.86
0.6218	0.0162	32.334	-46.1079	0.0004	31.9954	38.4854
0.6195	0.0167	33.8414	-47.3362	0.0007	32.547	39.1946
0.6177	0.0171	34.958	-48.062	0.0009	32.9945	39.7906
0.6199	0.0176	34.9022	-48.2853	0.0014	33.3848	40.288
0.6254	0.018	35.7396	-49.1228	0.0016	33.5774	40.7361
0.6336	0.0185	36.4654	-49.1228	0.0021	33.7699	41.2138
0.6448	0.0188	37.0796	-49.3461	0.0024	33.7647	41.5684
0.6584	0.0192	36.8004	-49.2344	0.0027	33.8324	41.8442
0.6749	0.0194	38.252	-49.2902	0.0031	33.7856	42.0757
0.6921	0.0198	41.881	-50.1835	0.0032	33.7752	42.2333
0.7111	0.0192	50.2556	-49.4577	0.0031	33.567	42.4795
0.7306	0.0182	43.0534	-50.6302	0.003	33.4473	42.7061
0.7497	0.0181	43.2209	-51.1885	0.003	33.3796	42.9179
0.7675	0.0183	43.4442	-51.691	0.0032	33.4265	43.174
0.784	0.0182	43.6117	-52.4167	0.0033	33.5358	43.4695
0.799	0.0183	43.9467	-53.4217	0.0035	33.6711	43.7649
0.8124	0.0187	44.4492	-54.2033	0.0035	33.8064	44.0851
0.8248	0.0188	44.5608	-55.3199	0.004	33.9261	44.3264

0.8357	0.0189	45.0633	-56.2691	0.0042	34.0874	44.6071
0.845	0.019	45.7891	-57.3298	0.0045	34.2904	44.878
0.8545	0.0191	46.5149	-58.1673	0.0046	34.5089	45.208
0.8629	0.0192	47.0732	-59.3397	0.0048	34.6026	45.4788
0.87	0.0193	47.2965	-59.6189	0.005	34.79	45.863
0.876	0.0195	47.9107	-60.903	0.0053	34.9617	46.188
0.8809	0.0197	48.6365	-61.4055	0.0055	35.1907	46.5327
0.8852	0.02	49.1948	-62.3546	0.0056	35.4301	46.843
0.8887	0.0202	49.5298	-62.4662	0.0057	35.6694	47.2567
0.8935	0.0202	50.0322	-63.4712	0.0058	35.9609	47.7098
0.8969	0.0203	50.3672	-64.2528	0.0059	36.2627	48.0939
0.8995	0.0205	51.093	-65.3136	0.0059	36.5541	48.4141
0.9022	0.0206	51.7071	-66.0952	0.0061	36.9444	48.9164
0.9048	0.0203	52.4329	-67.5468	0.0063	37.2983	49.4237
0.9064	0.0205	53.2146	-68.8867	0.0063	37.5325	49.7684
0.9082	0.0206	53.9962	-70.6175	0.0065	37.9124	50.2117
0.9096	0.0207	54.9453	-71.6225	0.0066	38.2819	50.6992
0.9107	0.0208	56.2294	-72.8507	0.0066	38.693	51.2804
0.9104	0.0211	57.2344	-74.749	0.0068	39.0469	51.635
0.9108	0.0213	58.686	-75.9772	0.0071	39.4372	52.0191
0.9118	0.0217	59.7467	-78.7129	0.0074	39.8119	52.5165
0.912	0.0224	60.6959	-79.6062	0.0076	40.2126	52.9893
0.9117	0.0227	62.1475	-80.667	0.0079	40.6341	53.3587
0.9112	0.0232	63.4316	-82.5652	0.0084	40.9932	53.7773
0.9103	0.0237	64.604	-84.7426	0.0086	41.4668	54.3092
0.9087	0.0242	66.8372	-87.0875	0.0091	41.9352	54.7918
0.9067	0.0249	68.8471	-89.4882	0.0097	42.4243	55.3237
0.9061	0.0259	70.6337	-91.9448	0.0107	42.8875	55.7423
0.9041	0.0267	72.8111	-94.9596	0.0115	43.3142	56.3284
0.9016	0.0276	74.9326	-98.3094	0.0123	43.7618	56.8307
0.8994	0.0284	76.5517	-102.0501	0.0131	44.1677	57.4513
0.8965	0.0295	79.0641	-105.5674	0.0142	44.584	57.8453
0.8924	0.0302	80.8507	-109.8663	0.0153	44.9171	58.3328
0.8877	0.0321	83.9214	-114.0536	0.0169	45.3022	58.6234
0.8829	0.0343	86.9362	-116.231	0.019	45.7289	58.9977
0.8762	0.0372	87.7178	-119.6925	0.0214	46.1349	59.3474
0.8691	0.0395	89.6719	-123.2099	0.0236	46.546	59.702
0.859	0.0425	92.5193	-125.778	0.0262	46.8062	59.9728

0.8469	0.0462	94.6966	-130.0212	0.0298	47.4723	60.357
0.8337	0.0503	96.7066	-134.3759	0.0326	47.9875	60.7362
0.8173	0.0544	98.4373	-138.2841	0.0362	48.7213	61.0366
0.797	0.0588	99.5539	-143.3088	0.0412	49.6632	61.4454

0.3429	0.0032	1.0075	-3.1583	0.0013	22.8241	24.2783
0.7226	0.0073	41.6018	-50.4069	-0.0002	24.4859	26.9021
0.6972	0.011	31.4965	-30.3637	-0.0002	26.5467	28.9114
0.6819	0.0127	30.659	-41.474	-0.0001	27.6968	30.3889
0.6714	0.013	39.5919	-53.8683	0	28.9562	31.7432
0.6672	0.0131	39.7594	-53.9242	-0.0002	30.1479	33.004
0.667	0.0131	40.4852	-54.3708	-0.0001	31.2824	34.1318
0.6685	0.0134	41.3227	-54.315	-0.0001	32.2868	35.1365
0.6698	0.0136	41.6018	-55.0408	0	33.2287	36.1067
0.6704	0.0137	42.5509	-55.3199	-0.0001	34.0302	36.9046
0.6695	0.0138	42.3835	-55.9341	-0.0001	34.8368	37.6925
0.6675	0.0138	42.3834	-56.4366	0	35.5393	38.4165
0.6649	0.0141	42.9976	-56.939	0.0001	36.1742	39.106
0.6631	0.0142	43.2209	-57.3857	0.0003	36.7103	39.7265
0.6629	0.0144	44.0584	-58.3906	0.0003	37.1474	40.2092
0.6652	0.0148	44.3375	-58.8373	0.0007	37.5117	40.7164
0.6701	0.015	45.5658	-59.1164	0.0009	37.8239	41.1498
0.678	0.0155	45.3425	-59.3956	0.0013	38.0737	41.4995
0.6893	0.0158	48.0223	-59.0606	0.0016	38.2611	41.8492
0.7035	0.0159	62.5941	-58.6139	0.0016	38.4796	42.2333
0.7202	0.0146	49.4181	-58.9489	0.0017	38.5681	42.6716
0.736	0.0145	48.5248	-58.7256	0.0019	38.9949	43.105
0.7538	0.0144	49.0273	-58.8373	0.0019	39.2655	43.5433
0.7705	0.0142	49.3623	-59.7864	0.0019	39.4476	43.8832
0.7865	0.0142	49.8089	-60.3447	0.002	39.6454	44.1885
0.8015	0.014	50.1439	-61.4613	0.0021	39.7807	44.5037
0.8151	0.0141	50.9255	-62.3546	0.0022	39.9888	44.7893
0.8276	0.014	51.2605	-63.4154	0.0022	40.1554	45.0553
0.8406	0.014	52.3771	-64.197	0.0023	40.6133	45.5675
0.853	0.0144	52.4329	-65.9836	0.0026	41.3627	46.0501
0.8647	0.0145	52.9913	-66.7094	0.0026	41.6437	46.1732
0.8749	0.0147	53.3821	-67.2677	0.0026	41.8259	46.5475
0.8845	0.0145	53.4937	-66.6535	0.0029	42.2214	46.9908

0.8922	0.0149	52.8238	-65.0903	0.0028	42.8042	47.7541
0.8997	0.015	53.2146	-65.8161	0.0029	43.2154	48.2072
0.9067	0.0146	53.717	-66.3185	0.0029	43.3403	48.5618
0.9127	0.0144	54.5545	-67.491	0.0028	43.6577	48.9607
0.9177	0.0143	55.3361	-68.7193	0.0025	44.1729	49.4778
0.9231	0.0141	56.0619	-70.0034	0.0026	44.6257	50.0836
0.9282	0.0141	56.5644	-71.2316	0.0023	45.068	50.586
0.932	0.0143	57.4577	-72.5157	0.0024	45.3803	51.1031
0.9351	0.0141	58.4626	-74.2465	0.0025	45.8851	51.6793
0.9374	0.0143	59.6909	-75.6422	0.0024	46.343	52.2752
0.9386	0.0145	60.8075	-77.9871	0.0025	46.8895	52.8169
0.9406	0.0147	62.1475	-79.2154	0.0027	47.6909	53.7625
0.9417	0.0152	62.8732	-80.5553	0.0026	48.5912	55.1021
0.9435	0.0153	64.2132	-80.6112	0.0028	49.6892	56.3185
0.945	0.0152	65.1623	-82.7327	0.0027	49.8766	56.816
0.9456	0.0155	66.3906	-84.5193	0.0029	50.7821	57.402
0.9459	0.0158	68.7355	-87.3667	0.003	51.3025	58.0472
0.9473	0.0159	71.0803	-90.3815	0.003	51.9426	58.6086
0.9482	0.0162	73.5369	-93.9547	0.0033	52.437	59.2242
0.9482	0.0168	76.6634	-97.9186	0.0035	53.0979	59.7857
0.947	0.0176	79.9574	-101.8826	0.0041	53.5715	60.3964
0.9474	0.0181	83.5305	-107.2423	0.0045	53.9306	60.8642
0.9463	0.0189	88.0528	-112.4904	0.0052	54.4978	61.5488
0.945	0.0199	93.0217	-118.1293	0.006	54.8413	62.2728
0.9437	0.0211	97.1532	-125.6106	0.0069	55.4241	63.041
0.9399	0.0224	100.6705	-132.8685	0.0077	55.7416	63.6961
0.9384	0.0233	106.0861	-139.1774	0.0088	56.569	64.4496
0.9357	0.0247	111.1666	-145.4862	0.0101	57.5734	65.6119
0.9328	0.0262	113.7349	-150.5668	0.0116	59.7748	68.0595
0.928	0.0281	119.7087	-159.6113	0.0132	60.5033	68.5028
0.9241	0.0305	125.4593	-168.0976	0.0154	61.0706	68.8426
0.9183	0.0326	131.8798	-177.7004	0.0172	61.3724	68.8327
0.9119	0.0354	138.077	-187.6941	0.0193	61.7055	68.9509
0.9042	0.0379	142.3201	-196.7944	0.0225	62.2779	68.9362
0.8915	0.0414	148.5731	-206.1181	0.0254	62.1634	69.0199
0.3134	0.0148	4.6253	-1.5552	0.0114	24.4119	25.0895
0.7257	0.0079	33.5622	-39.1849	0	21.8422	25.001

0.7004	0.0116	28.9841	-42.0881	0	24.5483	27.6506
0.6872	0.0133	30.1566	-42.7022	0	26.3697	29.8176
0.6791	0.0135	29.7658	-43.4839	0	27.7853	31.6054
0.676	0.0136	29.5424	-44.1538	0	29.1591	33.1419
0.6773	0.0135	29.9891	-44.433	0.0001	30.33	34.4421
0.6807	0.0135	30.7707	-44.7121	0.0001	32.1567	35.6044
0.6847	0.0135	31.664	-45.103	0.0001	33.1923	36.55
0.6883	0.0139	32.5014	-45.4379	0	34.051	37.4118
0.6894	0.0142	33.2272	-46.7779	0.0001	34.8836	38.1456
0.6897	0.0144	33.4506	-46.6662	0.0001	35.7163	38.8844
0.6876	0.0146	33.5622	-47.7828	0.0003	36.3876	39.5837
0.685	0.015	33.6181	-48.5645	0.0004	37.1058	40.2633
0.6848	0.0151	33.953	-49.3461	0.0005	37.6314	40.9331
0.685	0.0155	34.1764	-49.8486	0.0007	38.0633	41.5783
0.6875	0.0158	34.958	-50.351	0.001	38.4484	42.0314
0.6946	0.016	35.7396	-50.0719	0.0013	38.641	42.4254
0.7049	0.0165	37.3029	-50.2394	0.0016	38.7503	42.775
0.7177	0.0168	39.9827	-50.351	0.002	38.6826	43.0705
0.7316	0.0173	42.1043	-50.7418	0.0023	38.8023	43.366
0.7473	0.0172	53.6054	-50.016	0.0024	38.7711	43.6024
0.7661	0.0161	43.6117	-51.6351	0.0023	38.9688	44.0555
0.7841	0.016	43.9467	-51.7468	0.0021	39.2134	44.3461
0.8016	0.0157	44.3934	-52.3051	0.0019	39.3383	44.6761
0.8186	0.0154	44.7842	-52.6959	0.0017	39.5933	44.9469
0.8341	0.0152	45.6216	-53.5892	0.0016	39.9576	45.2621
0.8486	0.015	45.9566	-54.7616	0.0018	40.0513	45.5625
0.8621	0.0151	46.6266	-55.3758	0.0018	40.3323	45.8433
0.875	0.0151	47.1849	-55.9899	0.0018	40.681	46.1979
0.8856	0.015	47.799	-57.1623	0.0019	40.9932	46.5524
0.8947	0.0149	48.1898	-57.944	0.0018	40.9932	46.8529
0.902	0.0151	48.8598	-59.4514	0.002	40.9932	47.2321
0.9097	0.0149	49.6414	-60.7913	0.002	40.9932	47.6064
0.9162	0.015	50.1997	-61.573	0.002	40.9932	48.0447
0.9217	0.0149	50.423	-62.5779	0.0019	40.9932	48.4879
0.9267	0.0148	51.3163	-63.7503	0.0019	40.9932	48.9903
0.9318	0.0147	52.1538	-64.4761	0.0018	40.9932	49.5271
0.9347	0.0147	52.8796	-65.9277	0.0018	40.9932	50.1772
0.9375	0.0144	53.5496	-67.491	0.0017	40.9932	50.7583

0.9402	0.0143	54.6662	-68.9984	0.0017	40.9932	51.4478
0.9431	0.0143	55.2803	-70.3383	0.0016	40.9932	52.0093
0.9455	0.0139	56.6761	-72.3482	0.0015	40.9932	52.7381
0.9475	0.014	57.4577	-74.2465	0.0013	41.0921	53.4867
0.9494	0.0137	58.4068	-76.2564	0.0012	41.3991	54.191
0.9504	0.0141	59.5793	-77.7638	0.0016	41.8571	54.9642
0.9505	0.0144	60.64	-79.662	0.0016	42.3359	55.5995
0.9515	0.0146	62.0916	-80.2762	0.0016	42.8771	56.3284
0.9527	0.0148	63.4316	-81.8953	0.0016	43.5692	57.0524
0.953	0.0148	64.269	-83.6818	0.0017	44.0792	57.7911
0.9537	0.015	66.4464	-86.5292	0.0017	44.7922	58.6086
0.955	0.0152	68.6238	-88.9299	0.0019	45.3699	59.4508
0.9546	0.0157	70.5779	-92.3356	0.0022	46.0256	60.2141
0.9542	0.0163	73.6485	-95.9646	0.0025	46.6709	60.9972
0.9534	0.0169	76.8309	-100.8218	0.003	47.3318	61.8049
0.953	0.0176	80.404	-105.9024	0.0033	48.0031	62.386
0.9508	0.0183	85.4846	-113.1604	0.0039	48.6797	63.1297
0.9498	0.0192	91.6818	-122.0374	0.0046	49.2781	63.7158
0.9474	0.0203	98.549	-132.0311	0.0055	49.8193	64.3658
0.9439	0.0217	105.5278	-142.8063	0.0065	50.4334	64.7943
0.9416	0.0233	113.6232	-153.8608	0.0077	51.3129	65.3311
0.9389	0.0248	121.5511	-165.6968	0.0093	51.7188	65.7744
0.9344	0.0265	129.7024	-178.8729	0.0107	51.6252	66.2669
0.9303	0.0282	139.0819	-186.745	0.0116	52.208	66.8086
0.9265	0.0295	149.4105	-195.3987	0.0127	52.7492	67.173
0.9224	0.0308	157.3943	-207.0114	0.0137	53.457	67.3602
0.9159	0.0324	165.2664	-222.0857	0.0151	54.3105	67.1435

0.3698	0.0087	-55.9732	-72.1026	0.0065	21.4659	23.9459
0.7681	0.0063	23.1219	-32.2619	-0.0001	21.8578	26.3899
0.7058	0.0116	24.9643	-38.8499	0.0001	25.8389	28.872
0.6894	0.0135	25.9693	-40.5249	0.0002	27.1868	30.8715
0.6803	0.0138	25.3551	-42.0881	0.0003	29.0863	32.418
0.678	0.0139	25.2993	-42.2556	0.0001	30.8765	33.8068
0.681	0.0138	25.8018	-42.8139	0.0002	31.9849	34.9838
0.6862	0.0139	26.1926	-43.0931	0	32.9061	36.1264
0.6908	0.0144	26.9184	-43.4839	0.0002	33.7231	37.0769
0.6945	0.0145	27.9233	-43.5397	0.0002	34.1394	37.9733

0.6376	0.014	26.3601	-43.8189	0.0002	27.2388	38.6381
0.6496	0.0154	27.8675	-44.8238	0.0004	33.3536	39.4261
0.6467	0.015	28.9283	-45.8288	0.0004	34.0354	40.283
0.6474	0.0152	28.8725	-46.1637	0.0006	34.6026	40.9381
0.6512	0.0155	29.4866	-46.0521	0.0008	35.0502	41.534
0.6587	0.0156	30.2682	-46.5546	0.0009	35.2843	42.0905
0.6684	0.0162	30.4916	-46.7779	0.0012	35.5393	42.6224
0.6803	0.0161	31.1057	-46.3871	0.0012	35.6694	43.0508
0.6943	0.0165	32.7806	-45.5496	0.0016	35.607	43.4202
0.7127	0.0168	34.0647	-45.2146	0.0016	35.581	43.6911
0.7322	0.0171	34.958	-45.5496	0.0016	35.581	43.8536
0.7512	0.0175	40.541	-45.4379	0.0017	35.5602	44.1048
0.7712	0.0158	39.2011	-45.8846	0.0017	35.5133	44.5677
0.7885	0.0156	38.1403	-46.1079	0.0015	35.5445	44.9272
0.8049	0.0154	38.3078	-48.0061	0.0014	35.6486	45.2867
0.8199	0.0154	38.7545	-48.397	0.0015	35.6434	45.5921
0.8334	0.0153	39.3128	-48.9553	0.0015	35.6538	45.863
0.8476	0.015	39.5919	-50.0719	0.0014	35.6382	46.1437
0.8596	0.0153	40.0944	-50.9093	0.0015	35.7579	46.5426
0.8696	0.0154	40.4852	-51.9701	0.0016	35.8776	46.8085
0.8799	0.0149	40.9877	-52.9192	0.0016	36.0129	47.04
0.8884	0.0151	41.546	-53.7009	0.0018	36.1274	47.4242
0.8965	0.0149	42.4393	-54.4267	0.0019	36.2679	47.7886
0.9031	0.0153	42.7184	-55.1525	0.0018	36.4657	48.2368
0.91	0.015	42.9418	-56.1016	0.0018	36.7519	48.7293
0.9157	0.0153	43.7792	-56.9949	0.0018	37.0225	49.2612
0.9213	0.0151	44.17	-57.3298	0.0018	37.3035	49.8078
0.9263	0.0151	45.0633	-58.8373	0.0017	37.6158	50.4086
0.9306	0.015	45.8449	-59.2281	0.0017	37.8656	50.9602
0.9345	0.015	46.3474	-60.5122	0.0016	37.7823	51.5808
0.9375	0.015	47.1849	-62.0754	0.0016	37.8343	52.1373
0.94	0.0149	48.3015	-63.2479	0.0016	38.2247	52.6692
0.9418	0.0148	49.1948	-64.5878	0.0017	38.7451	53.2306
0.9442	0.0147	50.1997	-66.2069	0.0017	39.1354	53.8216
0.9461	0.0147	51.2605	-67.6585	0.0017	39.5725	54.4766
0.9478	0.0147	52.2655	-69.7242	0.0017	39.9472	55.1169
0.9491	0.0147	53.8287	-71.5108	0.0017	40.3479	55.831
0.9507	0.0148	55.5036	-73.6323	0.0016	40.8787	56.5057

0.9523	0.0149	57.0669	-75.9214	0.0018	41.6073	57.2296
0.9527	0.0153	58.8535	-77.6521	0.0018	42.2734	57.8748
0.9541	0.0157	60.64	-80.2762	0.0019	42.8979	58.584
0.9548	0.0162	62.5941	-82.9002	0.0022	43.4391	59.2095
0.9555	0.0161	65.1065	-86.4175	0.0024	44.2041	59.8251
0.9553	0.0166	68.3446	-90.549	0.0023	44.8547	60.4949
0.9551	0.0169	71.862	-94.3455	0.0027	45.5104	61.1745
0.9545	0.0172	75.6584	-99.4819	0.0028	46.0828	61.9576
0.9536	0.0175	79.6782	-105.0649	0.003	46.7021	62.6717
0.9539	0.0184	83.9772	-110.5363	0.0035	47.056	63.1543
0.9531	0.0192	89.6161	-117.2918	0.004	47.5087	63.7601
0.9517	0.02	95.3108	-125.3872	0.0048	48.128	64.2526
0.9494	0.021	101.173	-134.0968	0.0058	48.638	64.5333
0.947	0.0225	107.7052	-143.8113	0.007	49.2001	64.9125
0.9445	0.0246	114.1257	-155.5915	0.0086	49.8818	65.3508
0.9424	0.0259	121.2161	-166.646	0.01	50.3606	65.6759
0.9391	0.0278	128.5299	-177.0863	0.0115	50.7613	65.8482
0.9339	0.0299	136.4579	-186.8566	0.0131	51.1672	65.9911
0.9311	0.0323	144.1066	-197.9669	0.015	51.7553	66.1831
0.9246	0.0347	152.7045	-211.5896	0.0166	52.3954	65.8089
0.9201	0.0364	160.7441	-226.2171	0.0183	53.228	65.6217
0.9113	0.0386	168.3371	-241.4589	0.0194	53.7224	65.4198

0.2994	0.0017	3.2532	-0.2732	0.0012	16.1547	21.0205
0.7138	0.0086	37.9262	-49.8187	-0.0002	18.4932	22.4844
0.6738	0.0132	27.9928	-43.0308	-0.0002	20.8901	24.9715
0.6499	0.0156	28.1584	-43.8034	0	22.1636	27.2665
0.6308	0.0159	27.7721	-43.969	-0.0001	22.645	29.0001
0.6161	0.0163	26.5028	-43.969	0.0001	23.3284	30.3446
0.6084	0.0157	27.0547	-43.8034	0.0001	24.3948	31.5463
0.607	0.0155	27.4961	-44.9071	0.0001	25.9634	33.0434
0.611	0.0152	27.9376	-46.342	0	27.0039	34.1712
0.6179	0.0152	28.4895	-46.949	0	27.9099	35.102
0.6228	0.0157	29.3173	-47.1698	0	28.9038	35.9196
0.6239	0.016	29.9795	-48.0527	0.0002	29.8771	36.742
0.6207	0.0162	29.8139	-49.1564	0.0004	30.8244	37.5202
0.6142	0.0167	29.7587	-49.8738	0.0006	31.5958	38.2589
0.6056	0.0168	30.0899	-50.7568	0.0008	32.1911	39.0715

0.6015	0.0172	30.145	-51.6398	0.001	32.8072	39.8201
0.602	0.0174	30.4762	-52.7435	0.0014	33.0867	40.4751
0.6102	0.0177	31.1936	-53.5713	0.0019	33.33	41.0809
0.6234	0.0183	31.7454	-53.4057	0.0022	33.3715	41.5783
0.6394	0.0187	32.4076	-54.0127	0.0027	33.2213	41.923
0.6602	0.0194	34.3391	-53.5161	0.003	32.8745	42.2579
0.6837	0.0196	37.5399	-52.5227	0.0031	32.4448	42.4845
0.7098	0.0198	40.6303	-53.185	0.0032	32.0255	42.711
0.7354	0.0201	41.6236	-52.4124	0.0032	31.7977	42.8982
0.7594	0.0206	52.44	-51.4742	0.003	31.5647	43.0114
0.7847	0.0176	48.3011	-52.7987	0.0028	31.0522	43.3759
0.8053	0.0173	44.7692	-53.7368	0.0024	30.8659	43.5877
0.8248	0.0172	45.2659	-55.1165	0.0025	30.752	43.9422
0.8423	0.0171	45.9833	-55.9994	0.0023	30.5449	44.0801
0.8578	0.0171	46.4248	-57.4342	0.0024	30.4465	44.1491
0.8708	0.0174	47.1973	-58.5379	0.0024	30.4155	44.3609
0.8838	0.0171	47.8596	-60.3591	0.0024	30.255	44.4889
0.8951	0.0173	48.3562	-60.9109	0.0025	30.3275	44.6958
0.9043	0.0173	49.2392	-62.0146	0.0024	30.3999	44.9272
0.9125	0.0173	49.9566	-63.4495	0.0025	30.4621	45.2818
0.9205	0.0172	51.0051	-65.105	0.0026	30.6588	45.7546
0.9286	0.0169	51.7777	-66.8709	0.0024	30.8917	46.3161
0.9353	0.0168	52.44	-68.6921	0.0022	31.104	46.8824
0.9411	0.0164	53.5437	-70.6787	0.0022	31.3991	47.5916
0.9448	0.0163	54.9785	-72.3895	0.0022	31.6786	48.1432
0.9491	0.0162	56.1926	-74.9832	0.002	31.9996	48.813
0.9523	0.016	57.7929	-77.4114	0.0019	32.3464	49.5566
0.954	0.0161	59.5589	-80.1706	0.002	32.8331	50.2806
0.9534	0.0161	61.4352	-82.5436	0.002	33.2317	51.044
0.9564	0.016	63.9737	-85.3029	0.0021	33.6665	51.9157
0.9565	0.0161	66.2363	-88.614	0.0021	34.1791	52.8514
0.9561	0.0166	68.0574	-91.4285	0.002	34.6916	53.8019
0.9573	0.0172	70.5408	-94.5189	0.0024	35.173	54.5801
0.9556	0.0178	73.576	-98.8233	0.0027	35.758	55.3434
0.9554	0.0178	76.8319	-103.4589	0.0028	36.3274	56.1363
0.9549	0.0184	80.9708	-107.7082	0.0031	36.8917	56.9145
0.9549	0.0188	85.772	-112.8956	0.0035	37.4664	57.7271
0.953	0.0195	90.0764	-119.2971	0.0037	38.1031	58.4707

0.9531	0.0205	95.595	-125.5331	0.0043	38.7295	59.308
0.9528	0.0215	101.2239	-133.1487	0.0048	39.3973	60.0762
0.9514	0.0225	107.6806	-140.985	0.0054	39.9668	60.6968
0.9482	0.0232	114.1373	-151.4702	0.0061	40.412	61.145
0.9446	0.0246	122.5255	-162.6729	0.007	40.5828	59.5936
0.9436	0.0258	128.4303	-175.4759	0.008	40.6967	58.2196
0.9405	0.0273	136.377	-186.8441	0.0092	41.3335	58.451
0.9375	0.0291	144.9308	-199.1505	0.0105	42.053	58.9337

0.261	0.006	3.3188	1.163	0.004	22.4869	23.8794
0.5781	0.0074	27.8675	-34.7743	-0.0002	20.3018	26.5228
0.4788	0.0114	29.04	-36.3934	-0.0001	23.164	29.4039
0.4391	0.013	30.7149	-146.3795	0	24.5691	31.4478
0.2656	0.0126	33.3947	-66.8769	0.0006	26.2292	31.4675
0.2622	0.0119	30.7149	-39.9665	0.0001	27.78	35.1562
0.269	0.0117	30.2124	-40.6365	0	28.8625	36.7913
0.2773	0.0118	29.9333	-41.0273	0	29.8669	38.1309
0.2864	0.012	30.6032	-42.0323	0	30.8088	39.2784
0.2939	0.0122	30.7149	-41.9765	0	31.7299	40.2289
0.2972	0.0126	30.8824	-42.5348	0.0001	32.6303	41.1646
0.2967	0.0126	30.7707	-43.1489	0	33.4733	42.0511
0.2936	0.013	31.1057	-43.8747	0.0003	34.1863	42.7356
0.292	0.0132	30.8824	-44.7121	0.0003	34.6859	43.4301
0.2933	0.0134	31.1057	-45.0471	0.0005	35.1646	44.1836
0.301	0.0135	31.8873	-45.1588	0.0008	35.4977	44.7647
0.3159	0.0141	32.4456	-45.103	0.001	35.7163	45.3015
0.3382	0.0145	33.3947	-44.9355	0.0014	35.7735	45.7546
0.3672	0.015	34.1764	-45.103	0.0016	35.7735	46.0846
0.4026	0.0152	36.4096	-44.8238	0.0018	35.6486	46.321
0.4427	0.0157	37.1912	-44.8796	0.0019	35.5289	46.6903
0.4868	0.0149	41.7135	-44.6005	0.0019	35.3416	47.0646
0.5315	0.0143	42.1601	-45.0471	0.0017	35.1438	47.5079
0.5754	0.014	42.7743	-45.4379	0.0016	34.9513	47.7935
0.6177	0.0139	42.6626	-47.392	0.0014	34.8056	48.0742
0.6574	0.0137	43.5559	-47.5595	0.0014	34.6755	48.3796
0.6932	0.0133	43.8909	-49.0111	0.0013	34.6546	48.68
0.7265	0.0133	44.84	-49.3461	0.0013	34.613	48.9706

0.7559	0.0132	44.8958	-50.7418	0.0014	34.6599	49.3399
0.7823	0.0132	45.7891	-51.5235	0.0013	34.6338	49.5665
0.8051	0.0131	46.1241	-52.1934	0.0014	34.7483	49.9014
0.8241	0.0134	46.4591	-52.9751	0.0015	34.8836	50.2215
0.8412	0.0134	47.0174	-54.2592	0.0014	35.123	50.7386
0.8563	0.0133	47.799	-55.3199	0.0016	35.3416	51.2065
0.8695	0.0132	48.5806	-56.0457	0.0015	35.5289	51.832
0.8807	0.0131	49.5298	-56.9949	0.0014	35.7943	52.3737
0.8904	0.013	50.2556	-58.5023	0.0014	36.0337	52.881
0.8987	0.013	51.4838	-59.7864	0.0014	36.3304	53.5212
0.9066	0.0127	52.098	-61.0146	0.0012	36.7155	54.3092
0.913	0.0127	53.1029	-63.0246	0.0012	37.1838	55.0134
0.9182	0.0129	54.052	-64.6436	0.0012	37.7199	55.7079
0.9221	0.013	55.057	-66.2627	0.0011	38.1518	56.3776
0.9264	0.0128	56.0619	-67.6585	0.001	38.6982	57.0425
0.9293	0.013	57.011	-68.2726	0.0009	39.1562	57.8699
0.9333	0.0128	57.7927	-69.8359	0.001	39.7338	58.5101
0.936	0.0129	59.1326	-71.455	0.001	40.4988	59.3769
0.9378	0.013	60.0817	-72.8507	0.001	41.3939	60.1649
0.939	0.0133	61.0308	-74.414	0.001	42.1173	61.0957
0.9401	0.0131	62.4824	-76.4797	0.001	43.1217	61.8985
0.9404	0.0133	63.7665	-78.9921	0.0012	43.1217	62.7505
0.9397	0.0135	65.9998	-81.2811	0.0011	43.1217	63.6222
0.9395	0.0139	67.898	-84.296	0.0012	43.1217	64.3855
0.9388	0.0139	69.9079	-87.5341	0.0014	43.9543	65.144
0.938	0.0143	72.7553	-91.1631	0.0016	44.4123	65.9024
0.9361	0.015	76.6634	-96.7462	0.0018	45.0993	66.7692
0.9333	0.0156	81.6881	-102.2734	0.0021	45.7133	67.6114
0.929	0.0166	86.7687	-110.5921	0.0025	46.3326	68.3501
0.9266	0.0173	93.5242	-119.5808	0.003	46.9571	69.0494
0.9229	0.0183	100.6705	-130.8028	0.0036	47.54	69.7242
0.9186	0.0197	110.2175	-144.5371	0.0048	48.1592	70.4284
0.913	0.0208	121.0486	-161.2863	0.0061	48.919	71.1622
0.9056	0.0229	133.3872	-178.2029	0.0073	49.7673	71.9354
0.8963	0.0247	148.1823	-193.4446	0.0087	50.4334	72.7382
0.8877	0.0267	165.7131	-211.3104	0.0102	51.0371	73.5163
0.88	0.0276	180.9548	-231.0186	0.0113	51.4118	73.6641
0.8673	0.0295	195.9732	-250.6709	0.0126	52.1716	73.6641

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0.5563 0.0162 35.9629 -48.5645 0.0004 33.6815 42.0905

0.556 0.0162 36.2979 -49.7369 0.0007 34.1394 42.8292

0.5589 0.0165 36.9679 -50.0719 0.0007 34.4569 43.4301

0.5654 0.0169 37.247 -50.686 0.001 34.6703 43.9127

0.5756 0.0171 38.5312 -50.6302 0.0014 34.7743 44.351

0.5899 0.0179 40.3177 -50.4069 0.0017 34.7847 44.6219

0.6088 0.0179 43.5001 -50.1835 0.0019 34.6651 44.9519

0.6316 0.0175 44.2259 -50.2394 0.0021 34.5245 45.272

0.6558 0.0174 45.175 -50.5185 0.002 34.4413 45.5921

0.6833 0.0171 45.7891 -51.0768 0.0018 34.3008 45.9073

0.7123 0.0166 46.4033 -51.8584 0.0017 34.1342 46.2077

0.7395 0.0161 46.7941 -52.9751 0.0016 33.9781 46.5771

0.7657 0.0157 47.464 -53.645 0.0014 33.8376 46.9612

0.7912 0.0156 48.3015 -54.3708 0.0014 33.7908 47.2961

0.8136 0.0153 48.8598 -54.8733 0.0013 33.6971 47.6113

0.834 0.0153 49.4739 -56.9949 0.0012 33.6294 47.9905

0.8524 0.0163 50.0881 -57.5532 0.0012 33.567 48.3057

0.8684 0.0164 50.3672 -58.5023 0.0012 33.5774 48.6899

0.8817 0.0165 51.2047 -59.4514 0.0013 33.6867 49.0592

0.8944 0.0162 52.0421 -60.233 0.0012 33.7387 49.4581

0.9051 0.0161 52.4329 -61.573 0.0013 33.8428 49.8275

0.9145 0.0162 53.3821 -62.0754 0.0012 34.1238 50.4431

0.9227 0.0163 54.052 -63.0804 0.0012 34.3112 51.0292

0.9297	0.016	54.7778	-64.6995	0.0011	34.5245	51.6842
0.9346	0.016	55.8944	-65.5928	0.0011	34.7327	52.354
0.9401	0.016	56.4527	-67.0443	0.0012	35.0189	52.9007
0.9452	0.0156	57.5135	-68.4959	0.0011	35.378	53.5606
0.9485	0.0157	58.1277	-69.6684	0.001	35.6799	54.2402
0.9497	0.0157	59.4676	-71.2875	0.001	36.0858	54.9445
0.9512	0.0157	60.0817	-72.2924	0.001	36.5281	55.5404
0.9521	0.0156	60.9192	-73.9115	0.0011	36.9861	56.2348
0.9534	0.0156	62.0916	-75.7539	0.0011	37.4336	56.9982
0.9535	0.0158	62.9849	-78.0988	0.0011	37.9644	57.7024
0.9535	0.016	64.1574	-79.7179	0.0011	38.4901	58.456
0.9531	0.0163	65.4973	-80.7787	0.0011	39.0105	59.239
0.9523	0.0165	66.8372	-82.4536	0.0011	39.6662	59.9482
0.9507	0.0169	68.1772	-84.6868	0.0013	40.3271	60.8248
0.9485	0.0172	70.2987	-86.9758	0.0014	40.9724	61.6325
0.9476	0.0172	71.8061	-89.6557	0.0014	41.5813	62.4057
0.9452	0.0178	74.0952	-92.9497	0.0015	42.3255	63.2183
0.9421	0.0182	77.3333	-96.5787	0.0017	42.95	63.9374
0.9381	0.0187	80.8507	-101.3243	0.0019	43.6473	64.7894
0.9332	0.0192	84.9821	-106.684	0.0024	44.329	65.4887
0.9269	0.0199	90.5652	-113.6628	0.0028	44.8859	65.9369
0.9185	0.0203	96.3157	-122.2607	0.0035	45.578	66.5968
0.9096	0.0215	102.2338	-132.0869	0.0042	46.3274	67.2765
0.8995	0.0224	110.9992	-143.253	0.0052	46.9987	67.8379
0.8839	0.0237	119.8762	-156.8756	0.0066	47.7013	68.36
0.8671	0.0253	129.2557	-171.5032	0.0079	48.2633	68.7835
0.8458	0.0273	140.366	-186.2425	0.0097	48.9242	69.0937
0.8264	0.0294	150.8063	-196.627	0.0111	49.6736	69.3843
0.8002	0.0313	159.6275	-209.4122	0.0128	50.5479	69.6995
0.7684	0.0336	168.5046	-224.7655	0.0149	51.5783	70.3201
0.7309	0.035	177.1583	-236.4341	0.0162	52.4734	71.1474

0.618	0.0091	23.9203	-37.7333	0.0002	26.5898	34.1183
0.5395	0.0158	41.4343	-45.7171	0.0005	32.7291	39.7758
0.5394	0.0163	52.5446	-45.2704	0.0009	33.4993	40.6032
0.5459	0.0159	39.3686	-46.8337	0.0013	33.9157	41.3616
0.5549	0.0163	39.4244	-47.0012	0.0017	34.1707	42.0757
0.5682	0.0165	39.2569	-47.8387	0.002	34.3268	42.578

0.5848	0.0166	39.4244	-48.1736	0.0023	34.4257	43.0459
0.6034	0.0167	39.9827	-48.6203	0.0026	34.3892	43.2429
0.6246	0.0167	40.2061	-48.6203	0.0027	34.4517	43.5039
0.6463	0.0165	39.9269	-49.5136	0.0028	34.4413	43.7551
0.6681	0.0165	40.4294	-49.8486	0.0029	34.4725	44.0063
0.6898	0.0165	40.6527	-50.9652	0.003	34.5245	44.287
0.7111	0.0165	41.546	-50.9093	0.0031	34.5558	44.5234
0.7315	0.0164	41.546	-51.6351	0.0031	34.4465	44.6564
0.7502	0.0162	41.546	-52.1376	0.0029	34.1551	43.5532
0.7685	0.0165	42.2718	-52.3609	0.0033	34.2019	43.9078
0.7854	0.0167	42.1043	-52.8634	0.0034	34.2956	44.1639
0.7995	0.0171	42.6626	-53.7009	0.0034	34.4309	44.4544
0.8129	0.0171	43.2209	-53.98	0.0036	34.639	44.878
0.8267	0.0171	43.2767	-54.7616	0.0038	34.7952	45.2818
0.8386	0.0171	43.835	-55.3758	0.0039	34.9721	45.6315
0.8493	0.0171	44.3934	-56.3249	0.0041	35.1386	45.9762
0.8587	0.0171	44.8958	-57.1623	0.0043	35.2323	46.3456
0.867	0.0171	45.2308	-57.944	0.0043	35.3676	46.6657
0.8745	0.0169	45.7891	-59.1164	0.0039	35.5289	46.9514
0.8806	0.0168	45.9566	-60.0097	0.004	35.6278	47.3355
0.8857	0.0167	46.2916	-60.903	0.0041	35.8672	47.7689
0.8896	0.0169	47.1849	-61.7405	0.0044	36.117	48.1727
0.8946	0.0168	47.9107	-61.9079	0.0043	36.3616	48.6652
0.8994	0.017	48.6365	-62.5779	0.0041	36.5645	49.0592
0.903	0.0172	48.8598	-63.3037	0.0042	36.9028	49.4434
0.9058	0.0173	49.3064	-63.9178	0.0043	37.2827	49.995
0.9083	0.0174	50.0322	-64.867	0.0046	37.6938	50.5909
0.9105	0.0174	50.2556	-65.9277	0.0047	38.1102	51.1572
0.9136	0.0174	51.5955	-66.8769	0.0045	38.5369	51.6744
0.9155	0.0174	52.4329	-67.8818	0.0046	38.9116	52.2506
0.9173	0.0174	53.1029	-69.4451	0.0044	39.2499	52.6643
0.9181	0.0178	53.9404	-70.785	0.0046	39.6974	53.1469
0.9199	0.0178	55.2803	-71.9574	0.0048	40.0773	53.6197
0.9199	0.0181	56.1736	-73.744	0.0049	40.4936	54.1467
0.9203	0.019	56.6761	-77.038	0.0053	40.9932	54.7918
0.9188	0.0194	57.681	-79.8854	0.0057	41.5084	55.5059
0.9187	0.02	59.6351	-81.0578	0.006	42.0653	56.2791
0.9193	0.0204	61.31	-83.4027	0.0065	42.5544	56.7766

0.9181	0.0212	63.0966	-85.5243	0.0069	43.0124	57.2198
0.9162	0.0219	63.8782	-87.925	0.0074	43.6161	57.8453
0.9151	0.0226	65.1623	-90.6607	0.008	44.1365	58.4904
0.914	0.023	66.893	-93.7313	0.0084	44.5892	59.0469
0.9116	0.0235	69.0146	-96.8578	0.0091	44.9431	59.6478
0.9086	0.0247	71.3595	-99.9843	0.0101	45.3855	60.1895
0.9074	0.0255	73.5369	-103.725	0.0111	45.7341	60.5983
0.9038	0.0268	76.5517	-108.0239	0.0123	46.1609	60.9824
0.8988	0.0284	78.5058	-112.0437	0.0138	46.6657	61.2976
0.8947	0.03	80.9065	-116.1752	0.0149	47.1392	61.5636
0.8886	0.0315	83.1397	-120.0833	0.0165	47.3682	61.7852
0.8829	0.0331	86.0429	-124.2148	0.0183	47.9823	62.0314
0.8738	0.035	87.997	-128.9046	0.0203	48.6745	62.2629
0.8624	0.0369	88.8344	-133.7618	0.0222	49.3822	62.5929

0.266	0.0071	1.4155	-3.6505	0.0054	22.2768	22.1596
0.5697	0.0101	26.1717	-42.8653	0.0001	22.4328	24.3165
0.5365	0.0155	29.9243	-44.576	0.0001	25.104	26.1584
0.5075	0.0172	30.3106	-44.3553	0.0002	25.5026	27.9412
0.4846	0.0175	31.028	-44.5208	0.0002	25.8547	29.4285
0.4687	0.0176	31.6902	-45.1279	0.0002	26.6519	30.6154
0.4601	0.0175	34.3943	-45.5142	0.0003	27.6303	31.7383
0.457	0.0177	33.4562	-46.1764	0.0005	28.6968	32.7824
0.4544	0.0181	33.4562	-47.3905	0.0008	29.6131	33.7428
0.4509	0.0186	34.5047	-47.832	0.0013	30.3844	34.5898
0.4472	0.0193	34.7254	-48.439	0.0018	30.9797	35.4074
0.4422	0.0198	35.4428	-48.5494	0.0025	31.6424	36.1904
0.4345	0.0209	35.7188	-49.3772	0.0032	32.2429	36.9144
0.426	0.0217	35.8291	-49.5427	0.004	32.8848	37.594
0.4199	0.0223	36.2154	-50.3705	0.0048	33.2369	38.1998
0.4169	0.0233	36.1603	-50.2601	0.0057	33.4853	38.6923
0.4198	0.0243	37.7054	-49.9842	0.0066	33.6872	39.1454
0.428	0.0253	39.4714	-50.5913	0.0076	33.8477	39.4754
0.4407	0.0263	40.851	-50.6464	0.0084	34.0548	39.8201
0.4569	0.0276	47.6388	-49.929	0.0093	34.1687	40.1156
0.4786	0.0273	50.8396	-49.6531	0.0097	34.2205	40.48
0.5043	0.0259	52.3296	-50.9224	0.0101	34.2049	40.7952
0.5296	0.0266	49.5703	-51.1983	0.0106	34.2826	40.9331

0.5565	0.0268	49.6807	-51.5846	0.0109	34.3499	41.1695
0.5838	0.0272	49.4048	-52.5227	0.0114	34.4586	41.3616
0.6108	0.0273	49.7359	-52.6331	0.0118	34.5311	41.5044
0.6365	0.0279	49.5703	-54.2335	0.0123	34.7796	41.9132
0.6613	0.0284	49.4599	-54.8957	0.0127	35.0488	42.3367
0.6833	0.0289	49.9014	-55.889	0.0133	35.3076	42.7159
0.7025	0.03	49.6807	-56.8272	0.0138	35.582	43.1346
0.7205	0.0304	49.6255	-57.7654	0.0146	35.9029	43.5778
0.7366	0.0311	50.2325	-58.9242	0.0156	36.2498	44.026
0.75	0.0314	50.3429	-59.4209	0.0159	36.4879	44.3313
0.7605	0.0323	50.7292	-60.6902	0.0166	36.6795	44.6958
0.7718	0.0326	51.2811	-61.242	0.0173	36.9745	45.0897
0.7803	0.0334	51.0051	-62.125	0.0179	37.1713	45.3951
0.7887	0.0337	51.3363	-62.5665	0.0183	37.4301	45.8334
0.7957	0.0338	51.8329	-62.6217	0.0185	37.6682	46.2274
0.8009	0.0342	52.5503	-63.3943	0.0188	37.8443	46.5968
0.8075	0.0343	53.3229	-64.9395	0.019	37.9996	46.9415
0.8122	0.0345	53.8748	-65.1602	0.0193	38.2222	47.3158
0.8158	0.0352	54.3715	-66.0984	0.0199	38.3982	47.6064
0.819	0.036	54.7577	-67.6435	0.0203	38.538	47.7837
0.8216	0.0364	55.3648	-68.6369	0.0209	38.7295	48.1186
0.8234	0.0369	55.2544	-69.4095	0.0212	38.89	48.3353
0.8251	0.0374	55.6407	-69.9613	0.0216	38.9883	48.68
0.8245	0.0386	56.4133	-71.1202	0.0222	39.0867	48.8967
0.8236	0.0397	56.7996	-72.2791	0.0231	39.3766	49.0051
0.8229	0.0408	57.3515	-73.1069	0.0238	39.594	49.3252
0.8194	0.0416	57.9585	-74.7073	0.0244	39.8425	49.7093
0.8157	0.042	58.8415	-76.7491	0.0254	40.0962	50.059
0.8128	0.043	59.3933	-77.3562	0.026	40.3602	50.3249
0.8103	0.0435	60.497	-78.8462	0.0263	40.6398	50.7041
0.8071	0.0442	60.8282	-79.8395	0.027	41.1264	51.3148
0.8021	0.045	61.7111	-81.2743	0.0279	41.4525	51.896
0.7955	0.0462	62.6493	-82.0469	0.0289	41.9288	52.3983
0.7904	0.0471	63.3667	-83.5921	0.0299	42.3533	52.9696
0.7841	0.0476	63.8633	-85.4684	0.0304	42.7881	53.6295
0.7771	0.0481	64.0289	-87.8966	0.0309	43.1402	54.1959
0.7682	0.0489	64.5808	-90.2144	0.0319	43.4197	54.6982
0.7578	0.0498	65.1878	-92.4218	0.0327	43.7407	55.1661

0.7461	0.0508	66.4019	-94.7396	0.034	44.1548	55.6931
0.7339	0.0518	66.6778	-96.7263	0.035	44.6104	56.1757
0.7203	0.0533	67.34	-98.6026	0.037	45.1488	56.7716
0.7043	0.0548	68.5541	-102.0793	0.0388	45.6768	57.2395
0.6866	0.057	69.8786	-104.8385	0.0408	46.0547	57.6532
0.6653	0.0597	71.3686	-108.26	0.0435	46.3084	57.9782
0.6414	0.062	74.5141	-109.75	0.0465	46.5931	58.1063
0.6111	0.0656	75.8386	-113.2819	0.0501	46.8986	58.3427
0.5771	0.0696	78.2116	-115.9308	0.0542	47.2195	58.4313
0.5368	0.0738	79.4256	-118.6349	0.0592	47.6389	58.6333
0.4884	0.0788	80.5845	-121.339	0.0646	48.0737	58.9238
0.4301	0.0842	80.1982	-124.3742	0.0706	48.6328	59.1602
0.3562	0.0902	82.8471	-127.1886	0.0761	48.9641	59.1454

0.2265	0.0167	-1.9618	-8.2695	0.0115	20.5622	20.7679
0.1869	0.0083	16.735	-28.3515	0.0002	21.532	25.8087
0.1499	0.0103	19.2183	-32.9319	0.0002	22.4431	27.8082
0.1311	0.0099	18.9424	-34.6978	0.0002	23.2662	29.6206
0.1257	0.0097	19.3287	-37.6779	0.0003	23.9341	30.9208
0.1279	0.0097	19.4943	-40.1612	0.0002	24.8089	31.9649
0.135	0.0098	20.8739	-40.3819	0.0002	25.8288	33.1912
0.146	0.0099	21.5913	-41.8168	0.0002	26.3827	33.925
0.1572	0.0102	22.3087	-42.2582	0.0002	26.9625	34.4766
0.1657	0.0107	23.6332	-42.1479	0.0002	27.5216	34.9001
0.1686	0.0112	24.0195	-42.3134	0.0003	28.1014	35.4566
0.1669	0.0111	23.7435	-42.9205	0.0004	28.7226	36.151
0.1632	0.0114	24.4058	-42.8653	0.0006	29.3387	36.9341
0.1611	0.0117	23.7987	-43.1964	0.0008	29.8408	37.663
0.165	0.012	24.2954	-43.8586	0.0011	30.1256	38.3426
0.1754	0.0122	25.3439	-43.6379	0.0013	30.3171	38.9681
0.1924	0.0124	28.048	-43.8034	0.0015	30.3637	39.5
0.2159	0.0127	28.048	-43.8586	0.0017	30.4051	40.0319
0.2468	0.0128	28.048	-43.9138	0.0018	30.3585	40.4997
0.2862	0.0128	28.3791	-44.0242	0.0018	30.3896	40.9824
0.3314	0.0128	28.3239	-44.3553	0.0017	30.4362	41.4305
0.3826	0.0125	28.655	-44.4657	0.0016	30.431	41.9132
0.4352	0.0121	29.3724	-44.576	0.0015	30.4258	42.3121
0.4886	0.0119	29.7587	-45.3486	0.0014	30.3741	42.7061

0.5398	0.0118	30.2554	-46.7835	0.0012	30.3792	43.041
0.5891	0.0116	31.4143	-48.1079	0.001	30.3223	43.3857
0.6339	0.0116	32.1869	-49.3772	0.0009	30.3223	43.76
0.6732	0.0117	32.7388	-51.3638	0.0009	30.343	44.0309
0.7092	0.0117	33.7321	-52.3572	0.0009	30.3482	44.2377
0.7416	0.0119	34.5599	-53.4609	0.0008	30.4103	44.548
0.7696	0.0121	35.6636	-54.9509	0.0008	30.488	44.8583
0.793	0.0119	36.9329	-56.0546	0.0009	30.5656	45.1144
0.8155	0.0118	37.7055	-57.3239	0.0008	30.7261	45.4887
0.8345	0.0118	39.361	-59.5865	0.0007	30.8244	45.8679
0.8519	0.0116	40.2992	-61.4628	0.0006	30.9539	46.2274
0.8685	0.0118	42.5618	-62.7872	0.0007	31.2438	46.7051
0.88	0.0117	43.9966	-66.0984	0.0007	31.6165	47.104
0.8902	0.0117	45.1003	-68.4713	0.0007	31.9426	47.6409
0.8998	0.0118	46.5351	-70.5132	0.0006	32.2843	48.1826
0.9088	0.0121	47.9148	-72.7206	0.0006	32.6519	48.7933
0.9157	0.0123	49.6807	-74.4865	0.0007	32.9728	49.3596
0.9218	0.0126	50.95	-75.3695	0.0008	33.4284	50.0639
0.9261	0.0128	51.7777	-77.5217	0.0007	33.8684	50.8322
0.9311	0.0133	53.2126	-79.398	0.001	34.4741	51.6251
0.9327	0.0135	54.9233	-82.8747	0.0008	35.0488	52.3786
0.9359	0.0134	56.027	-85.1373	0.0009	35.5768	53.0041
0.9398	0.0136	58.0689	-87.5655	0.0011	36.1877	53.6886
0.9416	0.0137	59.5037	-90.3248	0.0009	36.5863	54.2501
0.9418	0.0139	60.9385	-92.9185	0.0011	37.0522	54.7377
0.9434	0.0141	62.7596	-95.5674	0.0011	37.5129	55.2449
0.9442	0.0147	65.5741	-98.1611	0.0013	38.0513	55.6586
0.9441	0.015	67.3952	-102.4104	0.0014	38.5017	56.0575
0.9438	0.0155	71.0926	-106.5493	0.0014	39.0712	56.5254
0.9435	0.016	74.7349	-111.1848	0.0014	39.6458	56.9489
0.9421	0.0162	78.653	-117.4208	0.0018	40.2204	57.3774
0.942	0.0165	84.3923	-125.1468	0.0022	40.852	57.8502
0.9413	0.0174	91.0146	-134.6938	0.0023	41.292	58.1949
0.9393	0.018	99.2924	-146.8898	0.0029	41.6596	58.3772
0.9379	0.0187	109.5017	-161.1829	0.0034	42.0737	58.648
0.9349	0.0199	121.0906	-178.2352	0.0039	42.5707	59.2095
0.9317	0.0207	135.6596	-199.2056	0.0047	43.1712	59.6773
0.9277	0.022	151.1667	-221.9972	0.0054	43.7562	59.8399

0.9195	0.0242	171.3094	-248.2103	0.0066	44.4551	60.0664
0.9102	0.0259	193.218	-282.039	0.0079	45.0867	59.9384
0.3193	0.0009	-0.8195	-1.9122	0.0002	20.3712	23.773
0.3302	0.0086	22.5846	-46.1212	-0.0001	24.5553	61.8394
0.2144	0.0164	32.3525	-50.4809	0	26.5484	56.4269
0.1838	0.0165	34.3391	-49.5979	0.0001	28.5725	30.9799
0.1683	0.0164	34.891	-50.7568	-0.0001	30.3016	32.9252
0.1668	0.016	35.8291	-51.0327	0	31.7097	34.447
0.1775	0.0157	37.5399	-50.7016	0	29.1161	35.7718
0.1901	0.0161	39.3058	-50.9224	-0.0001	27.5682	36.9834
0.2017	0.0166	41.5684	-50.8672	0.0001	28.5984	38.0964
0.2084	0.0172	42.1203	-51.8605	0.0003	29.6027	39.0567
0.2089	0.0175	42.1755	-53.1298	0.0006	30.4879	39.894
0.2045	0.0181	41.7892	-54.1783	0.0011	31.3266	40.6426
0.1969	0.0188	41.1269	-56.0546	0.0017	32.0203	41.3764
0.1911	0.0192	41.4029	-57.1031	0.0024	32.538	42.0412
0.1913	0.02	42.0099	-57.7102	0.0031	32.9004	42.6962
0.2008	0.0207	43.1688	-58.0413	0.0039	33.0971	43.2528
0.2173	0.0219	43.8862	-58.3172	0.005	33.1644	43.7009
0.2395	0.0229	44.8244	-57.9309	0.006	33.3766	44.218
0.2662	0.0241	46.9214	-57.9861	0.007	33.6562	44.7647
0.2983	0.0251	47.4733	-58.5379	0.0076	33.8477	45.2818
0.3341	0.0258	51.0603	-59.0898	0.0084	34.0289	45.7989
0.3737	0.0251	52.7711	-59.9176	0.0087	34.1894	46.3653
0.4119	0.0251	52.7159	-61.1317	0.0089	34.4275	46.8726
0.4506	0.0252	53.1574	-62.5113	0.0093	34.6605	47.2813
0.4895	0.0255	53.93	-63.3391	0.0095	34.909	47.7541
0.5272	0.0253	54.6474	-64.9395	0.0095	35.1109	48.1432
0.5629	0.0253	55.0889	-66.4295	0.0096	35.2765	48.483
0.597	0.0257	55.9718	-68.1954	0.0097	35.4474	48.7933
0.6292	0.0261	57.1859	-69.5199	0.01	35.5768	49.0592
0.6574	0.0267	57.4067	-70.9547	0.0103	35.758	49.335
0.6847	0.0266	58.4552	-72.2239	0.0107	35.8978	49.6256
0.7081	0.0274	59.3933	-73.2173	0.0109	36.0738	49.9063
0.7291	0.0279	60.497	-74.321	0.0113	36.1514	50.2609
0.7482	0.0285	61.8215	-75.7006	0.0119	36.3119	50.5761
0.764	0.029	62.5389	-76.9147	0.0124	36.3792	50.8814

0.7784	0.0291	63.5322	-78.0736	0.0128	36.4776	51.1326
0.7899	0.0294	64.4704	-79.8395	0.013	36.4983	51.4232
0.8016	0.0295	65.243	-80.888	0.0134	36.5345	51.7384
0.8125	0.0299	66.733	-82.7644	0.0136	36.6588	52.0683
0.821	0.0298	67.6711	-84.0336	0.0139	36.7209	52.4131
0.8295	0.0301	68.7749	-85.3029	0.0144	36.8503	52.6101
0.838	0.0304	69.713	-87.0136	0.0146	37.0004	52.9401
0.8445	0.0308	70.9823	-87.7862	0.0149	37.1972	53.3734
0.8501	0.031	71.6445	-88.7244	0.0151	37.5181	53.8906
0.8552	0.0309	72.693	-89.9385	0.0151	37.8598	54.4717
0.8618	0.0307	73.9623	-91.2077	0.0149	38.2584	55.2745
0.8662	0.0305	74.9556	-92.9737	0.0148	38.6053	55.8556
0.8695	0.0306	76.6112	-94.4085	0.0147	39.009	56.5845
0.8722	0.0307	77.8253	-96.7263	0.0149	39.4439	57.4119
0.8741	0.0309	79.3705	-98.9889	0.0151	39.8943	58.2146
0.8771	0.0311	81.3571	-101.0307	0.0154	40.3188	59.0174
0.878	0.0314	83.0679	-104.0659	0.0156	40.764	59.7611
0.8785	0.0316	85.1649	-107.1011	0.016	41.173	60.3964
0.8785	0.0325	86.7653	-110.4123	0.0166	41.6182	61.1942
0.8779	0.0333	88.9175	-113.9993	0.0175	42.0996	61.8837
0.8755	0.035	91.1801	-116.4827	0.0186	42.5707	62.4156
0.8745	0.0361	92.4494	-118.5797	0.0198	42.99	63.0312
0.8731	0.0374	94.6016	-121.0631	0.0208	43.4145	63.637
0.8705	0.0384	95.0983	-124.2638	0.0219	43.9219	64.3117
0.8675	0.0392	98.6302	-127.8509	0.0228	44.3516	64.878
0.8646	0.0402	100.672	-131.8794	0.0238	44.7398	65.474
0.8603	0.0417	102.2172	-136.0183	0.0251	45.2368	65.9172
0.8554	0.0432	103.8176	-140.6539	0.0267	45.8477	66.3506
0.8492	0.0451	106.9632	-145.2343	0.0285	46.2566	66.6461
0.8408	0.0474	109.7224	-150.5873	0.0311	46.6345	66.848
0.8316	0.0501	112.9784	-156.4369	0.0337	47.1264	67.2814
0.82	0.0533	115.6825	-164.3284	0.0367	47.8045	67.7542
0.8044	0.0573	119.3799	-170.8955	0.0402	48.5345	68.2319
0.786	0.0619	122.4151	-178.18	0.0436	49.0418	68.4092
0.7604	0.067	123.3532	-190.5415	0.047	48.3533	68.1629
0.2145	0.0194	-1.2665	-4.2465	0.015	21.5034	21.9779
0.6937	0.0098	43.6655	-57.1583	-0.0002	19.3888	23.7304

0.6629	0.0126	28.2136	-43.5275	-0.0002	22.3499	25.9811
0.6482	0.0149	26.0613	-44.0242	0	23.2973	27.8132
0.6371	0.0155	27.2754	-44.3001	-0.0002	23.6959	29.3744
0.632	0.016	28.048	-44.1897	-0.0001	24.2861	30.5416
0.6355	0.0155	29.2621	-44.9623	0	25.0833	31.6103
0.642	0.0155	29.8691	-45.9557	0	25.8443	32.5756
0.6505	0.0157	31.0832	-46.8386	0	26.7089	33.5162
0.6576	0.0161	31.6902	-47.3905	0	27.5423	34.3879
0.6621	0.0164	32.0213	-48.3286	-0.0001	28.3758	35.1661
0.6659	0.0166	32.0213	-48.8805	0.0002	29.1627	35.9491
0.6668	0.0167	32.9043	-50.2601	0.0002	29.9081	36.7174
0.6685	0.0171	32.8491	-50.9224	0.0005	30.5604	37.5152
0.6728	0.0175	32.8491	-51.5846	0.0007	30.9228	38.2491
0.6818	0.0175	33.7873	-52.6883	0.0008	31.0574	38.9238
0.693	0.0178	34.7806	-52.1364	0.0012	31.104	39.5788
0.7069	0.0183	37.5399	-52.0813	0.0015	31.1454	40.1747
0.7231	0.0189	41.9547	-52.8539	0.0018	31.0678	40.5441
0.7388	0.0191	42.2858	-53.2402	0.0019	31.0108	40.9873
0.7591	0.0192	44.7692	-52.909	0.002	30.9435	41.3862
0.7802	0.0181	49.7911	-53.6816	0.002	30.6381	41.7851
0.7991	0.0175	42.341	-54.1231	0.002	30.5345	42.0708
0.8197	0.0176	42.617	-55.282	0.002	30.5397	42.4205
0.8399	0.0177	43.0033	-55.9442	0.0019	30.5087	42.6174
0.8591	0.0174	43.9966	-56.8824	0.0021	30.4983	42.8194
0.8764	0.0176	44.5484	-57.7654	0.0021	30.488	43.0902
0.893	0.0174	44.9347	-59.2554	0.0022	30.5087	43.2823
0.9089	0.0176	45.7625	-60.8557	0.0022	30.4621	43.4695
0.9219	0.0177	46.9214	-62.0146	0.0024	30.5345	43.8043
0.9327	0.0177	47.7492	-63.5598	0.0024	30.5553	44.0358
0.9409	0.018	48.6322	-65.105	0.0027	30.6898	44.3018
0.9489	0.0178	49.7911	-66.3191	0.0029	30.8917	44.7155
0.9547	0.0181	50.6188	-67.4228	0.003	31.1402	45.0848
0.9609	0.0181	51.5018	-68.361	0.0031	31.3577	45.5675
0.9666	0.0183	52.1088	-70.0165	0.0032	31.6372	46.0994
0.9654	0.0184	53.3229	-70.9547	0.003	31.8909	46.4786
0.9704	0.0184	54.1507	-72.3343	0.0032	32.1394	46.9514
0.9723	0.0183	55.3648	-74.3762	0.0031	32.45	47.5817
0.9728	0.0178	56.4133	-76.9147	0.0028	32.7451	48.0693

0.9742	0.0177	57.6826	-78.2943	0.0027	33.1074	48.749
0.9786	0.0175	59.1726	-80.7225	0.0027	33.4543	49.4729
0.9781	0.0174	60.5522	-83.8129	0.0024	33.7597	50.0738
0.9807	0.0169	61.6559	-85.634	0.0021	34.0548	50.6746
0.9813	0.0172	64.2496	-87.7862	0.0022	34.3913	51.2705
0.981	0.0171	65.243	-90.38	0.0019	34.6967	51.7876
0.9839	0.0174	67.5056	-92.3666	0.0019	35.1782	52.4032
0.9838	0.0178	69.3819	-95.4018	0.002	35.6337	53.0779
0.9862	0.0179	71.5341	-97.7748	0.0019	36.1514	53.8659
0.9868	0.0182	74.3486	-100.3133	0.002	36.6018	54.4077
0.9863	0.0185	77.0527	-103.9004	0.0021	37.1247	55.171
0.9858	0.0189	81.4123	-109.0878	0.0023	37.6527	55.8359
0.9844	0.0192	86.1583	-115.7652	0.0026	38.1756	56.5155
0.9807	0.02	93.0564	-123.2153	0.0029	38.6726	56.9391
0.9792	0.0207	98.9613	-130.8309	0.0033	39.2679	57.6335
0.978	0.0216	107.0184	-140.3228	0.0038	39.8736	58.2737
0.9745	0.0225	115.3513	-152.1876	0.0045	40.324	58.7859
0.9717	0.0239	126.1125	-168.357	0.0055	40.8934	59.1651
0.9692	0.025	138.0326	-183.8641	0.0066	41.2972	58.717
0.9636	0.0271	151.3874	-203.1238	0.0083	41.2299	56.2644
0.9579	0.0291	166.2323	-220.9487	0.0098	41.6544	55.9098
0.955	0.031	182.4568	-235.628	0.0113	42.3585	56.3087
0.9488	0.0326	199.2332	-258.8059	0.0129	43.047	56.747
0.944	0.0338	219.3207	-273.3197	0.0137	43.6837	57.0179
0.9387	0.0355	236.8145	-294.2902	0.0145	44.5586	57.3872
0.9318	0.038	250.9972	-329.664	0.0161	45.7545	57.6483
0.9227	0.0395	260.3787	-360.3471	0.0169	46.7433	57.2297

0.4689	0.0005	-1.0182	-2.6075	-0.0001	24.8067	24.9299
0.4811	0.0319	17.6179	-57.1031	0.0058	24.1877	25.4985
0.2238	0.0204	26.3924	-57.1031	0.0012	28.1118	26.5869
0.1794	0.0174	27.2202	-57.1031	0.0011	27.9616	28.1234
0.1741	0.0167	27.8273	-57.1031	0.0006	28.06	29.4433
0.1764	0.0168	27.9376	-57.1031	0.0006	29.5406	30.3052
0.2008	0.0077	15.5209	-57.1031	0	27.1075	28.0299
0.1816	0.0156	41.2925	-57.1031	-0.0002	30.5811	32.8612
0.1728	0.0161	41.734	-55.8339	-0.0001	31.2541	34.3288
0.172	0.016	44.3277	-55.282	-0.0002	31.7045	35.5256

0.1726	0.0161	45.321	-56.1098	0	32.0721	36.6238
0.1719	0.0164	45.7073	-57.0479	0.0004	32.4862	37.4857
0.1686	0.017	46.4799	-57.7102	0.0009	32.714	38.2491
0.1617	0.0177	46.7559	-58.7035	0.0015	33.0246	38.8991
0.1523	0.0185	46.6455	-60.2487	0.0022	33.1644	39.4754
0.1439	0.0194	46.9214	-60.635	0.0029	33.2835	40.0762
0.1391	0.0197	48.4114	-60.6902	0.0036	33.3507	40.5638
0.1411	0.0199	49.1288	-60.9109	0.0043	33.418	41.1203
0.1496	0.0205	49.4048	-61.242	0.005	33.5526	41.7605
0.1641	0.0214	49.4599	-61.7939	0.0058	33.8529	42.4451
0.1837	0.0218	49.7911	-62.4561	0.0065	33.9979	43.0607
0.2068	0.0227	50.3429	-63.1735	0.0071	34.1635	43.6763
0.2339	0.0238	50.5085	-63.8909	0.0078	34.2619	44.218
0.2658	0.0243	50.8396	-64.6084	0.0085	34.2929	44.7549
0.301	0.0246	51.3363	-65.381	0.0088	34.236	45.2227
0.338	0.0248	52.2744	-66.9813	0.0091	34.2205	45.597
0.3762	0.0246	53.047	-67.7539	0.009	34.1376	45.991
0.4138	0.0242	53.93	-69.2991	0.0088	34.06	46.2028
0.4509	0.024	54.3163	-70.0717	0.0086	34.0703	46.5278
0.4855	0.0243	55.3648	-70.7339	0.0087	34.0186	46.7888
0.5174	0.0247	55.5303	-71.7825	0.0089	33.9099	46.9514
0.5486	0.0248	56.9652	-72.1136	0.0091	34.0341	47.2567
0.5778	0.0248	57.4067	-72.9414	0.0093	34.1066	47.4439
0.6037	0.0255	58.5655	-74.5417	0.0097	34.2308	47.5818
0.6279	0.0261	59.3381	-75.3695	0.0103	34.3602	47.8379
0.6489	0.0266	59.5589	-77.2458	0.0108	34.4948	48.1038
0.6673	0.0274	60.3867	-77.1906	0.0115	34.676	48.2565
0.6846	0.0276	61.0489	-78.9014	0.0122	34.7796	48.419
0.6979	0.0283	61.7111	-79.5084	0.0127	34.9659	48.5717
0.7097	0.029	62.87	-80.7225	0.0133	35.1316	48.8475
0.7183	0.0295	63.2011	-81.7158	0.014	35.3283	48.946
0.7267	0.0303	64.0841	-82.9851	0.0147	35.5095	49.1873
0.733	0.0311	64.0289	-83.537	0.0153	35.701	49.4483
0.7393	0.0319	64.1945	-83.4818	0.0158	35.9961	49.7339
0.7447	0.0326	65.2982	-83.4818	0.0163	36.3533	50.2314
0.7492	0.0328	65.7397	-84.751	0.0166	36.7727	50.8174
0.7523	0.033	66.2363	-85.4133	0.017	37.2852	51.5168
0.7542	0.0329	66.7882	-87.0688	0.017	37.7459	52.1225

0.7559	0.033	67.0089	-88.0622	0.0174	38.1807	52.9351
0.7561	0.0331	67.8919	-88.9451	0.0175	38.5949	53.4621
0.7563	0.0331	68.2782	-90.6007	0.0176	39.0349	54.1023
0.7567	0.033	69.2163	-91.7596	0.0177	39.4232	54.7426
0.7548	0.0326	69.8234	-93.3048	0.0174	39.8115	55.3385
0.7529	0.0326	70.32	-94.4637	0.0174	40.1687	55.9443
0.7513	0.0324	71.8101	-95.5122	0.0174	40.5466	56.5205
0.7477	0.033	72.6378	-96.0641	0.0175	40.8313	56.9145
0.7448	0.0337	73.6312	-96.7263	0.0179	41.0746	57.2641
0.7406	0.0343	73.9071	-97.6092	0.0182	41.4007	57.6581
0.7369	0.0349	75.1212	-98.9337	0.0187	41.7476	58.2245
0.7327	0.0354	76.0041	-100.7548	0.0191	42.1048	58.7022
0.727	0.0363	76.8319	-102.8519	0.0201	42.4361	59.0962
0.7212	0.0371	77.3838	-105.3904	0.0209	42.6535	59.3375
0.7134	0.0378	78.5979	-107.9289	0.0219	42.9279	59.6872
0.7037	0.0395	78.8738	-110.7434	0.0234	43.135	60.0368
0.6917	0.0412	80.2534	-113.2819	0.0254	43.4042	60.2437
0.6784	0.0434	82.2953	-116.2619	0.0276	43.5026	60.4899
0.6615	0.0462	84.7234	-118.1382	0.0304	43.6527	60.8298
0.6409	0.0495	85.7168	-121.4493	0.0334	43.8442	60.943
0.6178	0.0527	87.5931	-122.829	0.037	43.9944	60.8938
0.5903	0.0563	88.476	-125.4779	0.0404	44.1704	61.1794
0.5565	0.0608	88.8072	-128.182	0.0451	44.4862	61.2139
0.5162	0.0653	88.6416	-130.3894	0.0499	45.0504	61.3666
0.4656	0.0697	88.9727	-132.8727	0.0546	45.3714	61.8738
0.4012	0.0753	89.0279	-135.2457	0.0597	45.5992	62.5633
0.4452	0.0015	4.4452	-0.1738	0.0003	15.8099	22.0267
0.7704	0.006	26.0613	-45.1279	-0.0003	19.394	22.9966
0.7051	0.0128	33.7321	-50.5913	0.0001	23.1058	25.0257
0.6795	0.0143	32.7939	-51.8053	0.0001	23.6131	27.6556
0.6591	0.0148	33.401	-53.4609	0.0001	24.2291	29.8915
0.6449	0.0152	34.1736	-55.5579	0	25.0885	31.5561
0.6404	0.0154	35.0014	-55.4476	0.0001	26.0721	33.0237
0.6437	0.0153	35.8291	-55.4476	0.0001	27.0919	34.2599
0.6505	0.0154	37.264	-55.282	0	28.0652	35.4222
0.656	0.0157	38.8643	-55.2268	0	28.9867	36.5056
0.6594	0.0156	39.8025	-56.2753	0.0002	29.8357	37.4857
0.66	0.0158	41.734	-56.2202	0.0003	30.5345	38.3229

0.6574	0.0162	42.2307	-56.7168	0.0005	31.1868	39.1109
0.6533	0.0168	42.5066	-57.3791	0.0007	31.7873	40.0368
0.6502	0.0174	43.1688	-57.7102	0.0012	32.1652	40.8199
0.6495	0.0179	43.831	-59.2002	0.0017	32.3671	41.4256
0.6528	0.0185	44.0518	-60.4143	0.0023	32.5535	42.056
0.6586	0.0191	44.3277	-60.9109	0.003	32.7295	42.5682
0.6665	0.0201	44.9899	-61.242	0.0036	32.8589	43.2084
0.6775	0.0208	49.2392	-60.0831	0.004	32.8693	43.5236
0.6918	0.0206	50.5637	-59.8072	0.0042	32.7709	43.9472
0.7095	0.0194	50.7844	-60.1383	0.0038	32.6312	44.5874
0.7273	0.019	51.0603	-61.1868	0.0037	32.569	45.1833
0.7467	0.0185	51.2259	-62.0146	0.0038	32.6622	45.73
0.7655	0.0183	51.9433	-63.1735	0.0036	32.7502	46.2914
0.7848	0.0179	52.6607	-63.7806	0.0035	32.8797	46.7642
0.8027	0.0174	53.2677	-65.105	0.0032	32.9832	47.2222
0.8183	0.0169	53.7092	-66.595	0.0031	33.0764	47.567
0.8341	0.0166	54.8681	-67.8643	0.003	33.2317	47.9757
0.8471	0.0166	55.2544	-69.575	0.003	33.3922	48.355
0.8601	0.0167	56.3029	-70.458	0.003	33.563	48.7293
0.8717	0.0164	56.91	-71.6169	0.0031	33.8684	49.0395
0.8816	0.0165	57.4067	-72.9965	0.003	34.0444	49.5172
0.8906	0.0165	58.2896	-74.5417	0.0028	34.2256	49.995
0.8984	0.0162	59.283	-75.5902	0.0027	34.4275	50.4481
0.905	0.0162	60.497	-77.2458	0.0026	34.6553	50.975
0.9107	0.0158	62.0422	-79.2877	0.0024	34.8727	51.3247
0.9157	0.0156	63.5874	-81.2743	0.0025	35.1109	51.763
0.9204	0.0156	65.5741	-83.7025	0.0024	35.4163	52.0979
0.9241	0.0156	67.7815	-86.3514	0.0024	35.7166	52.5608
0.9273	0.0154	70.3752	-89.4418	0.0022	36.0738	53.0139
0.9305	0.0154	73.0793	-92.7529	0.0023	36.5035	53.5754
0.9327	0.0153	75.5627	-96.1744	0.0022	36.9228	54.2058
0.9337	0.0158	78.3771	-99.8718	0.0023	37.4922	54.8017
0.9339	0.0162	81.6882	-102.8519	0.0026	37.984	55.4616
0.9342	0.0165	85.0546	-107.2667	0.0028	38.6156	56.2447
0.9341	0.0169	88.0346	-112.1782	0.0029	39.2317	56.9539
0.9324	0.0175	92.0631	-117.4208	0.0032	39.9409	57.7271
0.9321	0.0178	96.6435	-124.1534	0.0034	40.531	58.5101
0.9301	0.0183	101.8861	-130.6101	0.0039	41.173	59.3474

0.9286	0.0193	108.6187	-138.4465	0.0043	41.965	60.421
0.9277	0.0199	113.751	-147.1658	0.0051	42.7105	61.2287
0.9257	0.0208	120.0973	-154.0639	0.0057	43.5854	62.3368
0.9218	0.0216	127.4922	-163.3903	0.0064	44.4447	63.2577
0.9163	0.0231	135.3837	-174.9792	0.0073	45.0815	64.1048
0.9117	0.0243	142.8889	-185.1333	0.0083	45.5629	64.6022
0.9059	0.0256	150.3389	-195.7289	0.0093	45.739	64.5973
0.8997	0.0269	156.2438	-205.8831	0.0102	45.6095	64.8337
0.8949	0.0282	164.7423	-219.1276	0.0112	44.7139	65.0258
0.8889	0.0299	174.0135	-236.8421	0.0123	44.3101	65.0356
0.8799	0.0314	183.5054	-249.2036	0.0138	44.5379	65.405
0.8689	0.0332	191.2865	-261.1789	0.0153	44.6415	65.1144
0.856	0.0351	202.158	-275.0856	0.0172	44.9831	64.9962
0.8407	0.0369	210.2151	-288.882	0.0192	46.0599	65.2326
0.8217	0.0389	217.0581	-300.3605	0.0207	46.3498	65.5183
0.799	0.0408	223.4044	-310.2388	0.0224	47.0901	65.7694

0.3201	0.0064	-31.7123	-54.7081	0.0054	22.589	23.6489
0.706	0.0081	32.518	-51.4742	-0.0001	22.3551	24.3707
0.6654	0.0127	37.264	-50.1498	0	26.0773	26.6755
0.6422	0.0145	36.4914	-51.9709	-0.0001	26.8538	28.0299
0.6245	0.0151	34.7806	-54.399	0	27.387	29.4581
0.6139	0.0153	35.2221	-55.6683	0	28.0859	30.8765
0.6118	0.0149	35.774	-56.4961	0	28.7692	32.0634
0.6155	0.015	36.7121	-57.4894	-0.0001	29.437	33.1124
0.6209	0.015	37.6503	-58.5931	0	30.0634	34.0777
0.6251	0.0153	38.8643	-59.0898	0.0002	30.6329	35.0035
0.6276	0.0151	39.4162	-60.5798	0.0002	31.192	35.9048
0.6278	0.0154	40.0784	-61.242	0.0002	31.8288	36.7864
0.6265	0.0158	41.4029	-61.8491	0.0003	32.3827	37.6236
0.6252	0.016	40.5751	-62.2906	0.0005	32.8745	38.318
0.6259	0.0162	40.9614	-63.1735	0.0006	33.2317	39.0567
0.6304	0.0169	42.2858	-63.8358	0.001	33.5112	39.6921
0.6391	0.0175	42.7273	-62.8424	0.0014	33.6044	40.3126
0.6507	0.0177	44.107	-62.9528	0.0018	33.6665	40.8149
0.663	0.0186	46.0936	-62.5665	0.0022	33.7338	41.2631
0.6792	0.0189	46.4247	-61.8491	0.0024	33.7494	41.7654
0.6973	0.0192	50.3429	-62.6769	0.0027	33.6562	42.12

0.7177	0.0188	53.1574	-63.008	0.0027	33.5578	42.5091
0.7384	0.0184	51.5018	-64.1669	0.0029	33.4232	42.7997
0.7586	0.018	51.3363	-64.9395	0.0027	33.3766	43.2183
0.7782	0.0177	51.7226	-65.6017	0.0026	33.4025	43.5236
0.796	0.0179	51.9433	-66.4846	0.0026	33.4439	43.8339
0.8127	0.0176	52.2744	-67.2572	0.0024	33.4957	44.2033
0.8283	0.0173	52.7711	-67.9195	0.0026	33.6096	44.6514
0.8423	0.0172	53.5989	-69.4647	0.0025	33.708	44.9666
0.8551	0.0175	54.0955	-70.5132	0.0025	33.8011	45.2523
0.8666	0.0176	54.7578	-71.6721	0.0027	33.8581	45.6413
0.8766	0.0175	55.5303	-72.9414	0.0028	33.9461	46.0649
0.8848	0.0174	56.3029	-73.9347	0.003	34.003	46.3505
0.8921	0.0172	57.0204	-74.6521	0.0031	34.1066	46.7839
0.8983	0.0173	57.8481	-75.9765	0.0031	34.148	47.2124
0.9039	0.0174	58.3448	-77.4666	0.003	34.3395	47.5916
0.9093	0.0171	59.1174	-78.3495	0.003	34.5621	48.0348
0.9136	0.0172	59.8348	-79.0117	0.0028	34.8313	48.68
0.9178	0.017	61.2696	-79.9499	0.0027	35.0953	49.2316
0.9215	0.0166	61.6559	-81.4951	0.0025	35.406	49.9162
0.9243	0.0165	62.9804	-82.8195	0.0023	35.7632	50.6598
0.9265	0.016	64.0841	-84.3095	0.0022	36.0945	51.4084
0.9287	0.0162	65.3534	-86.1859	0.0022	36.4051	52.1964
0.93	0.016	66.1259	-87.3448	0.0022	36.7209	52.812
0.9312	0.0162	67.3952	-89.0555	0.0022	37.0056	53.6985
0.9314	0.0166	68.9404	-90.6007	0.0023	37.3732	54.2107
0.9313	0.0169	69.8234	-93.0288	0.0023	37.808	54.9002
0.9313	0.0171	71.0926	-94.1326	0.0022	38.2325	55.5995
0.9308	0.0176	72.4723	-96.0089	0.0024	38.7606	56.2299
0.9304	0.0174	74.459	-98.4922	0.0024	39.2316	56.9982
0.929	0.018	76.2249	-101.5274	0.0027	39.6872	58.0029
0.9277	0.0181	78.5427	-104.9489	0.0029	40.236	58.5446
0.9243	0.0189	82.0194	-109.3637	0.003	40.7588	59.3227
0.9225	0.0192	85.496	-113.7234	0.0034	41.2662	60.1747
0.92	0.0199	88.8072	-118.6349	0.0039	41.8201	60.6919
0.9174	0.0208	93.5531	-124.7053	0.0045	42.2963	61.4601
0.9124	0.0217	98.7957	-133.2039	0.0054	42.7881	62.0561
0.907	0.0228	103.5417	-141.0402	0.0061	43.3421	62.7456
0.9007	0.0242	108.5636	-149.925	0.0071	43.896	63.2725

0.8942	0.0251	113.6958	-158.1477	0.0082	44.5276	63.9817
0.8865	0.0267	119.9869	-167.3636	0.0092	45.2264	64.4693
0.8786	0.0279	126.554	-176.3036	0.0105	45.7286	64.6466
0.8684	0.0294	133.8937	-187.12	0.0119	46.2204	64.7007
0.8538	0.0314	141.73	-198.9297	0.0138	46.8675	65.0061
0.8362	0.0332	149.2904	-209.5253	0.0156	47.4835	65.4937
0.8141	0.0353	154.533	-224.7013	0.017	48.3895	65.8384

0.2233	0.0151	-4.7929	-6.4815	0.0125	20.8371	21.4017
0.7172	0.0081	32.4076	-37.6227	-0.0001	19.3163	23.2823
0.6485	0.0128	29.8691	-47.6664	-0.0001	22.5933	24.9863
0.6264	0.0151	29.6484	-48.7149	0.0002	23.0799	26.2372
0.6069	0.0155	30.8073	-48.6046	0.0001	23.8771	27.69
0.592	0.0159	31.2488	-49.8738	0.0001	25.249	29.3103
0.5832	0.0162	31.5799	-50.8672	0.0001	26.2895	30.6056
0.5827	0.016	32.0214	-52.0261	0.0001	27.2887	31.694
0.5893	0.0157	32.9595	-52.909	0.0001	28.4431	32.7627
0.5975	0.0158	33.8977	-53.5161	0.0002	29.5458	33.8659
0.603	0.0158	34.7806	-54.5646	0.0004	30.5811	34.905
0.6047	0.0159	35.2773	-55.9442	0.0005	31.601	35.8506
0.6031	0.0166	35.7188	-56.9376	0.001	32.3154	36.7273
0.5988	0.0175	35.9395	-58.3724	0.0018	32.9521	37.5054
0.5943	0.0181	35.6636	-59.4761	0.0025	33.4439	38.1259
0.5916	0.0189	36.8777	-59.752	0.0034	33.8736	38.776
0.5923	0.0199	38.2021	-60.3591	0.0044	34.0548	39.3178
0.5952	0.0208	38.2573	-61.3524	0.0052	34.2205	39.8152
0.6018	0.0222	38.9747	-61.6283	0.0064	34.4638	40.3224
0.6095	0.0234	40.1336	-60.7454	0.0077	34.5984	40.7608
0.6226	0.0242	40.9062	-60.8006	0.0081	34.4638	41.2089
0.6393	0.0244	40.6303	-61.4628	0.0083	34.3965	41.6029
0.6592	0.0245	41.3477	-61.6283	0.0087	33.827	41.9772
0.6799	0.0248	43.9414	-61.1868	0.0086	33.6303	42.317
0.7018	0.0248	45.7625	-61.6283	0.0086	33.7028	42.5879
0.7227	0.0247	46.3144	-61.9043	0.0085	33.6924	42.8686
0.7446	0.0238	50.2877	-62.0146	0.0082	33.651	43.1198
0.7642	0.0227	50.2877	-63.615	0.0079	33.6872	43.5039
0.7817	0.0225	50.7844	-64.3324	0.0078	33.8011	43.8585
0.7993	0.0226	51.0603	-65.988	0.008	33.8995	44.1589

0.8147	0.0226	51.7226	-67.6436	0.0081	34.1066	44.5628
0.829	0.0228	52.2192	-69.5199	0.0083	34.3344	44.942
0.8424	0.0229	52.9918	-70.0717	0.0084	34.5259	45.2867
0.8544	0.0233	53.5989	-71.7273	0.0087	34.6916	45.6758
0.8658	0.0237	54.6474	-72.831	0.0091	34.9504	46.0846
0.8757	0.024	55.7511	-73.4932	0.0095	35.2351	46.4736
0.8842	0.0245	57.0755	-75.3695	0.0098	35.3438	46.8923
0.8923	0.0246	57.6274	-76.9699	0.01	35.406	47.37
0.8999	0.0245	58.9518	-78.5151	0.0098	35.6337	47.764
0.9055	0.0243	59.8348	-80.6121	0.01	35.8771	48.158
0.9098	0.0246	61.38	-82.3781	0.0101	36.1773	48.6111
0.9156	0.0249	63.0356	-84.0888	0.0103	36.4983	49.0543
0.9199	0.0249	64.0289	-86.8481	0.0104	36.7985	49.3892
0.9234	0.0254	65.5189	-89.497	0.0108	37.1557	49.793
0.9256	0.0258	67.8919	-91.3181	0.0115	37.1247	50.2511
0.9287	0.0265	69.2163	-93.36	0.012	37.4353	50.7485
0.9311	0.0273	71.5341	-95.3466	0.0125	37.7459	51.241
0.9336	0.0277	72.7482	-96.947	0.0129	37.8598	51.6793
0.9351	0.0283	74.5141	-98.7681	0.0133	38.4085	52.285
0.935	0.0289	76.2801	-100.5893	0.0139	38.921	52.7972
0.9338	0.0297	78.1564	-103.5141	0.0144	39.2109	53.3242
0.9337	0.0299	80.2534	-105.28	0.0148	39.7183	53.5409
0.9328	0.0302	82.4608	-106.7148	0.0152	40.5	54.1023
0.9321	0.0311	84.6131	-110.1915	0.0157	41.0384	54.5357
0.9319	0.0315	87.2068	-113.4475	0.0163	41.4059	54.9199
0.9285	0.0319	89.6901	-116.9793	0.0165	41.3542	55.5355
0.9295	0.0324	92.4494	-121.0631	0.0171	41.3335	55.9984
0.929	0.0328	94.712	-125.5331	0.0177	41.5354	56.4023
0.9302	0.0332	97.085	-130.886	0.0179	41.9495	56.9391
0.9296	0.0342	99.7339	-135.3561	0.0187	42.0996	57.5153
0.9269	0.0353	103.1554	-141.2609	0.0198	42.6432	57.9093
0.9254	0.0362	106.8528	-145.8965	0.0211	43.1195	58.5446
0.9223	0.0371	111.5436	-153.0706	0.0216	43.6734	59.1159
0.9191	0.0378	116.6206	-160.9069	0.0225	44.1652	59.4853
0.9151	0.0388	122.2495	-170.3437	0.0232	44.7968	60.2979
0.9123	0.0397	128.8718	-179.7804	0.024	45.4283	60.8002
0.9108	0.0411	136.2115	-188.2237	0.0256	45.8891	61.1745
0.9063	0.0436	143.22	-198.6538	0.0277	46.4378	61.5143

0.9003	0.046	150.5045	-212.0087	0.0295	47.204	62.1595
0.8943	0.049	157.1819	-224.6461	0.0316	47.8252	62.4205

0.2562	0.0007	0.9685	-1.1175	0	20.2734	34.8231
0.3081	0.0107	36.7673	-59.9176	-0.0007	24.8711	83.7749
0.296	0.0149	41.5132	-60.1935	-0.0007	25.0315	76.4614
0.256	0.016	42.2307	-60.9109	-0.0006	26.2222	27.6605
0.2224	0.0164	41.6236	-61.0213	-0.0006	27.4957	29.2315
0.1992	0.0164	41.6788	-61.9043	-0.0006	28.7226	30.5711
0.1916	0.0157	44.5484	-60.5246	-0.0005	29.8564	31.827
0.1992	0.0155	46.4247	-60.8006	-0.0007	31.0315	32.9449
0.2146	0.0157	47.3629	-61.7387	-0.0006	31.7977	34.1466
0.2275	0.016	47.9699	-62.6769	-0.0006	29.3335	35.2843
0.232	0.0165	49.0185	-64.0565	-0.0004	30.8037	36.3579
0.2264	0.0171	49.9014	-65.4361	-0.0002	32.1031	37.3182
0.2131	0.0179	50.1774	-66.7606	0.0003	33.1903	38.2392
0.1917	0.019	49.0737	-67.6435	0.0015	34.2929	39.1602
0.1647	0.0204	49.3496	-69.6302	0.003	35.2196	39.9974
0.1356	0.0224	49.6807	-70.3476	0.005	35.9133	40.8297
0.1074	0.0245	49.46	-71.1202	0.0069	36.4827	41.5684
0.0838	0.0259	49.3496	-71.5617	0.0089	37.0833	42.322
0.1328	0.0146	51.3363	-48.9357	0.0049	31.3577	71.8468
0.0881	0.0267	51.9433	-69.0232	0.0101	36.6018	50.4678
0.0795	0.0274	70.4304	-57.9861	0.0115	36.9901	30.2215

0.4039	0.0083	5.0412	-0.3725	0.0069	23.6513	26.8491
0.7139	0.0085	51.3363	-79.0669	-0.0002	20.5173	26.0254
0.6737	0.0148	53.1574	-74.7073	0	22.8521	28.5076
0.6496	0.0169	52.3296	-74.5969	0.0001	23.8978	30.3692
0.6291	0.018	53.047	-75.811	0.0003	25.0678	32.0683
0.6153	0.0179	53.3781	-76.5836	0.0003	26.4189	33.4473
0.6096	0.0183	54.6474	-78.184	0.0005	27.8685	34.5997
0.6119	0.0179	56.4685	-78.5703	0.0006	29.2352	35.4911
0.6145	0.0187	57.9585	-79.8947	0.001	30.4569	36.3874
0.6169	0.0201	58.6207	-81.9918	0.0017	31.6993	37.0917
0.6168	0.0217	59.6693	-82.7644	0.0033	32.714	37.7615
0.6139	0.0235	60.0555	-83.261	0.0048	33.8322	38.2983
0.6062	0.0257	60.5522	-84.6958	0.0067	34.9659	38.8696

0.5944	0.0283	61.1041	-86.1307	0.0092	35.8512	39.4163
0.5771	0.031	61.4904	-87.3448	0.0116	36.5708	39.8349
0.5594	0.033	61.4352	-87.6207	0.0141	37.1764	40.219
0.5489	0.0353	62.0422	-88.7796	0.0167	37.7925	40.6475
0.5308	0.0382	62.2078	-89.221	0.0195	38.305	41.0169
0.5157	0.0406	62.7044	-90.7663	0.0218	38.8382	41.4108
0.5031	0.0426	62.3733	-91.4285	0.0239	39.2782	41.7408
0.4948	0.0442	62.5389	-91.594	0.0254	39.6096	42.0462
0.4891	0.046	63.0908	-92.0907	0.0271	39.8736	42.3318
0.487	0.0472	62.7045	-92.7529	0.0284	40.2515	42.6027
0.49	0.0481	64.36	-92.9185	0.0293	40.5362	42.9228
0.4944	0.0491	65.0774	-93.084	0.0307	40.8002	43.1346
0.5014	0.0499	65.5189	-93.967	0.0319	40.8831	43.2971
0.5108	0.0509	67.2848	-94.2429	0.0328	41.1316	43.5827
0.5245	0.0514	68.1126	-95.1259	0.0334	41.1937	43.6665
0.5356	0.0528	69.4923	-95.6226	0.0351	41.1989	43.765
0.5482	0.0545	70.4304	-95.9537	0.0373	41.173	43.8979
0.5589	0.0569	70.9823	-97.1678	0.0396	41.1108	43.9472
0.5678	0.0588	71.9756	-98.1059	0.0416	41.1264	44.0604
0.5781	0.0608	73.7967	-98.6026	0.0437	41.3076	44.2476
0.5845	0.0625	73.9071	-99.5407	0.0457	41.4525	44.4347
0.5898	0.0646	74.9556	-100.3685	0.048	41.6699	44.612
0.5935	0.0663	75.1212	-100.6444	0.0498	41.6855	44.7056
0.5951	0.0688	75.8386	-101.9689	0.0522	41.7942	44.7795
0.5959	0.0707	76.8871	-101.9137	0.0546	42.0064	45.0602
0.5955	0.0728	76.3904	-102.5207	0.0567	42.1566	45.3803
0.5936	0.0748	77.3286	-103.2382	0.0589	42.3947	45.7152
0.592	0.0767	77.5493	-104.4522	0.0611	42.7519	46.1732
0.5889	0.0788	77.9908	-105.3904	0.0635	43.1661	46.7051
0.5847	0.081	78.1012	-106.4941	0.0661	43.5181	47.1779
0.5801	0.0827	78.653	-107.3771	0.0682	43.9064	47.6162
0.5747	0.0844	78.4323	-108.9774	0.0697	44.2118	48.0496
0.5709	0.0852	78.7082	-109.3637	0.0706	44.5017	48.4436
0.5662	0.0866	79.536	-110.2467	0.0724	44.7346	48.8376
0.5621	0.088	79.2601	-111.0193	0.0739	44.8692	49.1577
0.5553	0.0905	80.3086	-111.8471	0.0767	44.9003	49.399
0.5486	0.0928	80.3086	-113.0612	0.0793	44.8796	49.5468
0.5402	0.0955	80.1982	-113.8889	0.0824	44.9365	49.6995

0.5306	0.0988	81.4123	-114.3304	0.086	44.9469	49.8324
0.5192	0.1025	81.7434	-115.4893	0.0899	45.1177	50.0344
0.5076	0.1061	82.1297	-116.0412	0.094	45.2782	50.1969
0.2136	0.0051	-69.1611	-85.2036	0.0044	24.7462	24.0301
0.6965	0.009	35.498	-47.9423	-0.0002	23.1472	25.6462
0.6572	0.0127	35.5532	-48.1079	-0.0001	24.3948	27.7541
0.6353	0.0154	34.891	-49.1564	-0.0001	25.7718	29.3842
0.6156	0.0161	34.6151	-50.9224	0	26.4293	30.7829
0.6034	0.0166	34.8358	-51.9709	0.0004	27.3301	32.0338
0.5955	0.0174	35.6084	-52.5227	0.0007	28.293	33.2256
0.592	0.0178	36.7121	-52.909	0.001	29.2455	34.3633
0.5901	0.0187	37.3191	-53.2953	0.0015	30.2032	35.3877
0.5889	0.0196	37.871	-54.2887	0.0025	31.1247	36.2742
0.587	0.0209	38.2573	-55.1165	0.0036	31.8443	37.1311
0.5837	0.0219	38.9195	-56.1098	0.0047	32.5846	37.9191
0.5768	0.0233	39.3058	-56.4961	0.006	33.2317	38.6972
0.568	0.0246	39.9129	-57.2687	0.0076	33.7494	39.3522
0.5569	0.0264	39.8577	-57.8757	0.0091	34.1635	39.9186
0.5462	0.0281	39.9681	-59.0898	0.0108	34.5155	40.4997
0.5394	0.0301	40.2992	-58.8139	0.0125	34.7485	41.007
0.5391	0.032	40.5199	-58.8691	0.014	34.8831	41.465
0.5403	0.0337	41.3477	-58.9242	0.0157	35.2196	41.9871
0.5422	0.0356	41.734	-59.0898	0.0175	35.5768	42.4303
0.547	0.0365	42.0651	-59.5865	0.019	35.8201	42.9425
0.5544	0.0374	42.8929	-60.2487	0.0201	35.934	43.366
0.5649	0.0384	43.6655	-60.4143	0.021	36.0531	43.7797
0.5787	0.0389	44.8244	-59.9728	0.0219	36.0945	43.9619
0.5915	0.04	47.087	-59.4761	0.0227	36.0997	44.218
0.6062	0.0409	48.5218	-61.0213	0.0236	36.3171	44.5086
0.6208	0.0419	49.7911	-60.3591	0.0247	36.5345	44.7105
0.6363	0.0419	51.5018	-61.518	0.0257	36.4879	44.9568
0.6502	0.0431	51.8881	-62.125	0.027	36.607	45.2227
0.6624	0.0445	51.8881	-62.6217	0.0284	36.8296	45.4296
0.6734	0.0457	52.2192	-63.1183	0.0299	37.016	45.666
0.6845	0.0475	52.4951	-63.7254	0.0317	37.2955	45.9122
0.693	0.0492	52.6055	-64.5532	0.0334	37.5751	46.0649
0.7022	0.0507	53.1022	-64.9395	0.0348	37.865	46.4047

0.7085	0.0523	53.8196	-65.7672	0.0366	38.0203	46.6214
0.7138	0.0542	53.9852	-66.4295	0.0385	38.2946	46.8873
0.7185	0.0556	54.4818	-67.3124	0.0399	38.5535	47.1631
0.7227	0.0568	55.0889	-68.1954	0.0413	38.8071	47.4931
0.7254	0.0578	55.5855	-69.0232	0.0426	38.9573	47.6852
0.7269	0.0593	55.9166	-69.575	0.0442	39.1902	47.9511
0.7275	0.0607	56.2478	-70.1269	0.0457	39.3611	48.153
0.7286	0.0618	56.8548	-71.8376	0.0471	39.5681	48.4584
0.7277	0.0629	57.1859	-71.6721	0.0481	39.7545	48.6652
0.7289	0.0646	57.4618	-71.7824	0.0499	39.8788	48.877
0.7268	0.0665	57.4067	-71.8928	0.052	40.0341	49.1036
0.7239	0.0685	57.2411	-72.4999	0.0538	40.355	49.4778
0.7203	0.0709	57.4618	-72.6102	0.0561	40.6449	49.8571
0.7171	0.0729	57.0204	-73.4932	0.0583	40.8831	50.192
0.7132	0.0752	56.7996	-73.8795	0.061	41.1367	50.5416
0.7081	0.0776	57.0755	-74.7625	0.0635	41.261	50.9258
0.7027	0.0802	56.6341	-75.6454	0.0664	41.3956	51.1671
0.6961	0.0832	56.7996	-75.8662	0.0695	41.4991	51.4133
0.6885	0.0863	55.9166	-76.5284	0.0728	41.613	51.6153
0.6799	0.0899	55.1992	-77.5769	0.0768	41.6907	51.8221
0.67	0.0938	55.1992	-78.184	0.0812	41.8615	52.0536
0.6588	0.0979	55.0337	-79.5636	0.0857	42.0789	52.2456
0.6471	0.103	55.2544	-79.9499	0.0912	42.2963	52.5461
0.6328	0.1084	54.5922	-79.7292	0.0971	42.4465	52.7726
0.3688	0.0057	8.6953	0.9572	0.0045	21.3066	24.1897
0.7289	0.0071	24.6852	-40.2457	0	21.863	26.1288
0.7067	0.0116	25.1318	-41.4181	0.0001	25.5059	29.0296
0.6909	0.0133	25.9135	-40.9715	0.0001	26.6247	31.2064
0.6783	0.0138	25.3551	-42.0881	0.0002	27.702	33.0089
0.6731	0.0135	25.5226	-42.8697	0.0002	28.8833	34.5357
0.6735	0.0136	26.3043	-43.5955	0.0001	29.8253	35.9196
0.6766	0.0138	26.9184	-43.7072	0.0002	30.6839	37.1606
0.6814	0.014	27.7	-44.1538	0.0002	31.4541	38.1703
0.686	0.0144	28.3142	-44.2655	0.0002	32.3336	39.1306
0.6883	0.0149	28.705	-44.5447	0.0003	33.1871	39.8694
0.6858	0.0154	29.4308	-44.768	0.0003	34.1342	40.6524
0.6817	0.0157	29.2633	-45.1588	0.0005	35.0345	41.3567

0.6749	0.0163	29.5983	-46.4429	0.0006	35.9609	41.9821
0.6668	0.017	31.0499	-46.1637	0.0011	36.6842	42.6716
0.6595	0.0181	31.4965	-46.2754	0.0017	37.1838	43.2331
0.6531	0.0189	31.3848	-47.392	0.0025	37.5637	43.6911
0.6491	0.0199	31.664	-48.1736	0.0034	37.8083	44.1491
0.6502	0.0203	32.1106	-48.397	0.004	37.8864	44.6317
0.6555	0.021	32.5014	-48.9553	0.0047	37.8812	44.9174
0.6647	0.0213	33.1714	-48.4528	0.0052	37.9124	45.2375
0.6778	0.0217	34.288	-48.062	0.0055	37.9176	45.4887
0.6933	0.0222	35.5163	-48.2295	0.0057	38.0061	45.73
0.711	0.0222	36.9121	-49.2344	0.006	38.105	45.9812
0.7289	0.0224	38.252	-48.6203	0.006	38.2507	46.0747
0.7451	0.0226	39.8153	-49.3461	0.006	38.36	46.2225
0.7622	0.0215	39.9269	-49.7369	0.0057	38.4276	46.6115
0.7782	0.0213	40.5969	-50.9093	0.0059	38.5993	47.0597
0.7921	0.0212	41.2668	-51.7468	0.0059	38.7242	47.3306
0.8045	0.0211	41.7693	-52.7517	0.0058	38.8908	47.6261
0.8153	0.0214	42.6626	-53.9242	0.006	39.0625	48.0102
0.8253	0.0218	43.2209	-55.2083	0.0065	39.1666	48.1727
0.8348	0.0223	43.9467	-56.2132	0.0069	39.3175	48.5372
0.8435	0.0228	44.9517	-57.4973	0.0074	39.4892	48.7539
0.8505	0.0234	45.5658	-58.2789	0.0083	39.7338	49.0986
0.856	0.0243	46.2916	-59.4514	0.0092	39.942	49.6305
0.8608	0.0251	47.2965	-60.5122	0.0098	40.2803	49.9457
0.865	0.0258	48.0223	-61.3496	0.0105	40.6393	50.3643
0.8688	0.0268	49.1948	-62.1871	0.0114	40.9308	50.778
0.8718	0.0273	49.6973	-63.3037	0.0119	41.3367	51.2213
0.8746	0.0275	50.5905	-64.867	0.0124	41.7062	51.6941
0.8754	0.0283	51.763	-66.486	0.0129	42.0288	52.2456
0.8779	0.0292	53.0471	-68.3285	0.0137	42.3567	52.684
0.879	0.0296	53.9962	-69.6684	0.0145	42.6637	53.073
0.8822	0.0296	55.2803	-71.455	0.0148	43.0072	53.3636
0.8841	0.0297	56.5644	-73.0182	0.015	43.2882	53.7133
0.884	0.0308	57.2344	-74.9165	0.0158	43.4443	54.122
0.8849	0.0315	58.4068	-76.5914	0.0166	43.7045	54.4865
0.8865	0.0318	60.2492	-79.2154	0.0172	43.9752	54.8854
0.8864	0.0325	61.9241	-81.0578	0.0179	44.329	55.4567
0.8857	0.0333	63.2641	-83.7935	0.0185	44.6933	55.831

0.8835	0.0343	65.274	-86.0267	0.019	44.9483	56.2397
0.886	0.0341	66.8372	-87.1992	0.0191	45.323	56.5599
0.8859	0.0343	68.9588	-89.9349	0.0189	45.6873	56.8898
0.8858	0.0349	70.4662	-92.6706	0.0192	45.9579	57.2937
0.8843	0.0349	72.6436	-95.6854	0.0192	46.3066	57.5842
0.8838	0.0352	74.8768	-99.0911	0.0196	46.6657	58.0767
0.8808	0.0363	76.9984	-102.9434	0.0204	46.9675	58.4855
0.8775	0.0379	79.6224	-106.1257	0.022	47.3162	58.7071
0.8729	0.0398	82.0789	-110.0338	0.0242	47.5972	58.9878
0.8678	0.0419	83.9214	-113.6628	0.026	47.8938	59.2784
0.8603	0.0442	86.9362	-117.2918	0.0281	48.2061	59.6281
0.8533	0.0469	88.667	-121.1441	0.0308	48.4871	60.0861
0.8448	0.0492	90.2302	-124.3823	0.0334	48.9138	60.4555
0.8348	0.0516	92.8542	-128.2904	0.0358	49.4394	60.7904
0.8233	0.0542	94.92	-131.0261	0.0384	49.7829	61.0415
0.8119	0.0567	97.1532	-133.6501	0.0405	50.0744	61.2582
0.7969	0.0598	98.2698	-136.33	0.0432	50.5011	61.5094
0.7802	0.0632	100.0005	-139.1215	0.0462	50.8862	61.5291
0.7616	0.066	101.7871	-142.3039	0.0503	51.3077	61.8837
0.7404	0.0685	103.5179	-145.6537	0.054	51.7397	62.2186
0.7116	0.0716	104.467	-151.6276	0.0576	52.0259	62.322
0.3636	0.0011	8.4682	3.7002	0.0004	19.677	21.3707
0.6952	0.0089	29.4828	-47.832	-0.0003	22.0134	22.5977
0.6549	0.014	32.9043	-47.7768	-0.0002	23.4681	24.1687
0.6284	0.0162	32.7939	-49.0461	-0.0001	24.6174	26.2273
0.6045	0.0167	32.6836	-50.5361	-0.0001	26.0721	28.153
0.586	0.0171	32.9595	-52.4124	0	27.4388	29.5467
0.5753	0.0169	33.7873	-53.3505	-0.0002	28.7175	30.6942
0.5729	0.017	34.6702	-54.2335	-0.0002	29.4681	31.7482
0.5786	0.0168	36.2154	-54.5094	-0.0002	25.6631	32.8415
0.5903	0.0165	37.7606	-54.5646	-0.0001	26.9366	33.925
0.602	0.0163	40.244	-55.0061	-0.0001	28.205	34.9247
0.6095	0.0166	41.9547	-56.7168	-0.0001	29.4629	35.8802
0.6111	0.0169	41.8444	-57.4342	-0.0001	30.5708	36.6288
0.6079	0.0176	42.1755	-58.262	0.0003	31.5751	37.3872
0.5996	0.0181	42.7825	-59.5865	0.0007	32.4137	38.0668
0.5898	0.0191	43.7207	-60.2487	0.0016	33.1333	38.648
0.5804	0.0208	44.2725	-61.1869	0.0028	33.4336	39.1306

0.5738	0.0221	44.6036	-61.4628	0.0041	33.6303	39.5098
0.5707	0.0235	44.9899	-61.6835	0.0054	33.7338	39.8398
0.5704	0.0246	45.6522	-61.5731	0.0064	33.8891	40.1599
0.5745	0.0251	46.0385	-61.6283	0.0069	33.9564	40.4012
0.582	0.0252	47.1973	-61.6283	0.007	33.9927	40.5884
0.5943	0.0254	50.1774	-62.125	0.0069	33.9513	40.8593
0.6084	0.0251	51.0603	-62.5665	0.0068	33.827	41.0464
0.6266	0.024	51.9985	-63.8909	0.0066	33.7338	41.2483
0.6475	0.023	51.9985	-64.9395	0.0064	33.6821	41.4453
0.6684	0.0228	53.4885	-66.8709	0.0065	33.7494	41.6078
0.6891	0.0225	54.537	-69.2991	0.0063	33.8115	41.8541
0.7089	0.0226	56.027	-71.2858	0.0064	33.9306	41.9969
0.7275	0.0227	57.4067	-73.0517	0.0065	34.148	42.2333
0.7446	0.0228	59.4485	-75.5351	0.0066	34.3706	42.519
0.7611	0.0228	61.2696	-77.908	0.0067	34.5466	42.7603
0.7754	0.0231	63.5874	-81.4951	0.007	34.8727	43.0361
0.788	0.0233	66.3467	-84.4199	0.0073	35.0798	43.3414
0.7988	0.0237	69.7682	-88.6692	0.0078	35.3801	43.8437
0.8088	0.0239	72.693	-93.1392	0.0083	35.7787	44.3707
0.8182	0.0244	76.0041	-97.2781	0.0088	36.1566	44.8583
0.8259	0.025	79.2601	-101.5274	0.0095	36.5035	45.3557
0.8324	0.0256	83.5645	-106.77	0.01	36.9745	45.8827
0.8379	0.026	87.3723	-111.4608	0.0108	37.28	46.3751
0.8435	0.0268	91.9527	-117.0345	0.0116	37.6838	46.8332
0.8479	0.0276	96.5331	-122.4427	0.0121	38.1186	47.2863
0.8514	0.0277	100.3961	-127.7405	0.0122	38.5587	47.8674
0.8565	0.0279	105.418	-133.7005	0.0123	38.9417	48.3353
0.8592	0.0283	112.261	-142.4198	0.0125	39.2679	48.8524
0.8619	0.0281	119.9869	-152.0221	0.0124	39.6147	49.4581
0.8636	0.028	129.4236	-164.3284	0.0124	39.8684	50.0147
0.8635	0.029	143.0544	-180.7185	0.0129	40.1428	50.453
0.862	0.0304	158.2856	-198.9297	0.014	40.2515	50.7189
0.8594	0.032	174.3446	-221.8317	0.0149	40.3861	50.847
0.8547	0.0349	193.1076	-243.6299	0.0169	40.5725	51.1129
0.8488	0.0373	210.6014	-266.0352	0.0192	40.7433	51.0489
0.842	0.0404	228.4263	-288.9372	0.0215	41.0228	50.4924
0.8342	0.0436	244.9819	-311.1217	0.0242	41.2196	50.187
0.8258	0.0473	259.0542	-329.9399	0.0276	41.4473	49.9802

0.8172	0.0514	270.6432	-345.9989	0.0308	41.7217	50.0048
0.8086	0.055	281.4043	-362.4993	0.0342	41.9236	50.059
0.7986	0.0589	291.0618	-380.2139	0.038	42.0841	50.0245
0.7881	0.0634	302.0989	-397.5973	0.0423	42.1048	49.9506
0.7745	0.0687	313.1912	-416.1396	0.0474	41.8304	49.9802
0.7598	0.0741	323.566	-435.8408	0.0523	41.6337	50.0048
0.7431	0.0799	333.8857	-459.0187	0.0577	41.8563	49.5616
0.7261	0.085	344.7572	-480.3754	0.0631	41.9495	49.9605
0.7062	0.0899	356.5669	-495.5514	0.0675	42.8399	50.3446
0.6825	0.0949	365.5621	-514.4248	0.0727	42.6691	50.5121
0.6549	0.1003	376.8199	-523.8616	0.0781	43.3007	50.7583

0.4135	0.0115	8.0924	0.3542	0.0083	19.5971	22.7137
0.7628	0.0061	21.1679	-33.4344	-0.0002	21.7693	25.2522
0.7157	0.012	25.6343	-39.4082	0.0001	25.6204	27.5029
0.6978	0.0136	24.3502	-42.3114	0.0001	26.5883	29.6403
0.6833	0.0139	24.9643	-43.4839	0.0002	27.5771	31.3788
0.6747	0.014	25.746	-44.3213	0.0001	28.6752	32.9055
0.6724	0.0138	26.4159	-44.2655	0.0002	29.8044	34.314
0.6737	0.0139	27.1417	-44.6563	0.0002	30.7204	35.5256
0.6772	0.0144	27.5325	-44.8796	0.0002	31.6519	36.5992
0.6822	0.0147	28.5375	-44.5447	0	32.4637	37.5152
0.6863	0.0148	28.9841	-44.8238	0.0002	33.3796	38.4165
0.6871	0.0155	29.6541	-45.103	0.0003	34.2643	39.2833
0.6846	0.0159	29.7658	-45.7729	0.0005	35.2063	40.091
0.6791	0.0166	29.5424	-45.8288	0.0005	36.0754	40.9134
0.6718	0.017	29.6541	-47.5037	0.001	36.9132	41.6916
0.6641	0.0177	29.9891	-48.8436	0.0015	37.6054	42.4549
0.6578	0.0189	29.8216	-50.0719	0.0021	38.2559	43.0902
0.6535	0.0196	30.1566	-49.6811	0.0028	38.719	43.6418
0.6517	0.0203	30.5474	-50.4627	0.0034	39.1718	44.223
0.652	0.0208	30.7707	-50.686	0.0041	39.4268	44.7302
0.6567	0.0213	31.0499	-50.9093	0.0044	39.458	44.9913
0.6661	0.0214	31.3848	-50.9652	0.0045	39.5257	45.2326
0.6803	0.0212	32.6131	-50.0719	0.0047	39.5569	45.4936
0.6971	0.0213	32.7806	-50.2952	0.0045	39.6558	45.7546
0.7161	0.0209	34.0089	-49.6811	0.0043	39.7703	46.0304
0.735	0.0206	35.7396	-49.5694	0.0042	39.89	46.3505

0.7534	0.0205	37.1354	-49.9602	0.0043	40.0253	46.518
0.7693	0.0206	39.3686	-49.7927	0.0044	40.2386	46.7642
0.7842	0.0192	40.9319	-50.9652	0.0041	40.3635	47.0843
0.7978	0.0191	41.3227	-52.0818	0.0039	40.4416	47.3207
0.8096	0.0191	42.0485	-53.7567	0.0041	40.4676	47.4291
0.821	0.019	42.8301	-54.8733	0.0042	40.5925	47.6852
0.8294	0.0195	43.5559	-55.7666	0.0048	40.7955	48.0151
0.8378	0.0198	44.7283	-56.8274	0.0052	40.9776	48.2023
0.8444	0.0204	45.1192	-57.8323	0.0057	41.1754	48.483
0.8514	0.0207	45.7891	-59.3956	0.0061	41.5292	48.8228
0.8563	0.0214	46.9057	-60.0655	0.0065	41.7582	49.1183
0.8615	0.0219	47.5199	-61.6288	0.0071	42.1537	49.5025
0.8644	0.0225	48.8598	-62.8571	0.0076	42.466	49.9112
0.8679	0.0228	49.4181	-64.0295	0.0084	42.8563	50.384
0.8708	0.0238	50.423	-65.9277	0.0091	43.2674	50.7829
0.8731	0.0245	51.7071	-67.2118	0.0098	43.7826	51.2902
0.875	0.0256	53.4937	-69.0542	0.0107	44.3082	51.8221
0.876	0.0269	54.722	-70.8408	0.0119	44.8338	52.088
0.8764	0.0283	56.2853	-73.0182	0.0136	45.1565	52.2161
0.8746	0.0297	57.2902	-74.079	0.0149	45.5156	52.5707
0.8757	0.0307	58.5185	-75.9214	0.0161	45.8799	53.073
0.8761	0.0313	59.9701	-77.8196	0.0167	46.2181	53.4719
0.8748	0.0322	61.0308	-79.6062	0.0175	46.4939	53.861
0.8754	0.0324	62.4266	-81.002	0.0175	46.853	54.3141
0.8753	0.0331	62.9291	-81.7836	0.0182	47.3318	54.7278
0.8736	0.034	64.0457	-83.0119	0.0191	47.5972	55.0233
0.8721	0.0351	64.9948	-84.6868	0.0201	47.9719	55.3877
0.8705	0.0363	66.0556	-86.6409	0.0213	48.1332	55.5601
0.8671	0.0371	66.6139	-89.2649	0.0223	48.4247	55.9639
0.8647	0.0378	67.2839	-92.1681	0.0231	48.6901	56.2644
0.8626	0.0388	69.8521	-94.0105	0.0239	49.1012	56.6879
0.8593	0.0393	71.192	-96.802	0.0247	51.646	57.1115
0.8546	0.0403	72.4203	-99.5935	0.0255	52.8689	57.4316
0.8513	0.0418	73.5927	-102.7201	0.027	53.1968	57.7123
0.8454	0.043	75.2118	-105.0091	0.0286	53.5299	58.0226
0.8377	0.0454	76.3284	-108.7497	0.0304	53.738	58.2442
0.8294	0.0481	77.9475	-111.8763	0.0331	51.7709	58.4658
0.8183	0.051	79.9574	-115.5611	0.0355	47.2225	58.5791

0.8078	0.0538	80.5715	-117.3476	0.0381	47.4827	58.8007
0.7946	0.0562	81.409	-119.3017	0.0399	48.1801	59.0814
0.7811	0.0581	81.744	-121.1441	0.043	49.2417	59.4065
0.7627	0.0605	81.8556	-124.3265	0.0463	50.4699	59.5493
0.253	0.0127	-37.7717	-47.109	0.0112	25.2633	23.9858
0.7045	0.0088	35.774	-40.106	-0.0003	19.6217	25.4788
0.6793	0.013	28.931	-42.3134	-0.0003	22.1895	26.9809
0.6643	0.0153	27.2754	-43.0308	0	23.0281	28.3155
0.6515	0.0158	28.2136	-44.1897	-0.0001	24.0583	29.6551
0.6453	0.0158	29.3724	-44.7416	0	25.3111	30.9848
0.6437	0.0157	29.4276	-44.7968	0.0001	26.5484	32.1619
0.6437	0.0159	30.2554	-45.2934	0	27.7546	33.2847
0.6437	0.0162	30.6417	-45.9557	0.0002	28.8106	34.3534
0.6426	0.0166	30.9176	-46.5075	0.0003	29.7839	35.3483
0.6403	0.0172	32.2421	-47.4457	0.0008	30.6743	36.2003
0.6354	0.0184	33.0147	-48.439	0.0015	31.6372	36.9735
0.6276	0.0196	33.4562	-48.9357	0.0025	32.45	37.7024
0.6176	0.0212	32.6284	-48.9909	0.0037	33.2627	38.4067
0.6074	0.0225	32.6284	-50.1498	0.0052	33.9047	39.0518
0.5984	0.0241	33.1251	-51.0327	0.0067	34.4482	39.6428
0.5936	0.0255	32.8491	-51.7501	0.0082	34.8262	40.2092
0.5961	0.0266	33.5665	-52.2468	0.0093	34.8831	40.682
0.6047	0.0272	34.5599	-52.2468	0.0101	34.9038	41.1695
0.6187	0.0273	34.6702	-52.1916	0.0106	34.94	41.5586
0.6354	0.0278	36.2706	-51.1983	0.0105	34.9245	41.9132
0.6562	0.0276	37.6503	-51.5294	0.0107	34.9763	42.2432
0.6778	0.0271	38.6988	-52.0261	0.0105	35.1005	42.5436
0.6995	0.0274	40.5751	-52.3572	0.0103	35.1575	42.7898
0.7226	0.0258	43.3344	-53.2402	0.01	35.1575	43.1001
0.7428	0.0253	43.4447	-53.5161	0.0096	35.2558	43.4399
0.7621	0.0246	43.6655	-54.399	0.0092	35.4422	43.7896
0.7794	0.0241	43.8862	-55.3924	0.0087	35.6441	44.6022
0.7961	0.0237	44.6036	-56.2202	0.0085	35.7476	44.9912
0.8117	0.0236	45.4866	-57.8757	0.0085	35.8201	45.3852
0.825	0.0243	46.4248	-58.8139	0.0093	35.8201	45.73
0.8365	0.0252	46.811	-60.4694	0.0101	36.0013	46.0994
0.8472	0.0258	47.7492	-61.6283	0.011	36.1307	46.4835
0.8569	0.0265	48.7977	-63.5598	0.012	36.3171	46.8824

0.8645	0.0274	49.6807	-65.4913	0.0128	36.4672	47.2863
0.8717	0.0277	50.7292	-66.6502	0.0131	36.6691	47.6753
0.8781	0.028	51.8881	-67.8643	0.0134	36.9072	48.0989
0.8839	0.0279	52.5503	-69.0784	0.0132	37.1143	48.5273
0.8895	0.0273	53.7092	-70.5132	0.0129	37.5181	49.0592
0.8939	0.0274	54.8681	-71.8376	0.0126	37.808	49.7192
0.8984	0.0277	55.6959	-73.714	0.0134	37.9944	50.2117
0.9018	0.0282	56.8548	-75.6454	0.0139	38.2636	50.8125
0.9039	0.0292	57.8481	-77.0251	0.0144	38.5794	51.369
0.9058	0.0302	59.3381	-79.0669	0.0155	38.7761	51.9403
0.9067	0.0311	60.3315	-81.0536	0.0169	38.9987	52.4968
0.9069	0.0322	61.987	-82.8195	0.0177	39.2575	52.9647
0.9063	0.033	63.3115	-84.3647	0.0187	39.4905	53.4375
0.9055	0.0347	64.7463	-86.3514	0.0202	39.77	53.861
0.9061	0.0357	65.5741	-87.4551	0.0214	40.0082	54.0876
0.9052	0.0369	66.6226	-89.1659	0.0224	40.3343	54.4865
0.9034	0.0387	67.5608	-90.3248	0.0239	40.6708	54.9494
0.9015	0.0405	68.5541	-91.7596	0.0253	41.1057	55.4222
0.8997	0.0417	70.7063	-93.9118	0.0266	41.3697	55.8901
0.8972	0.0434	71.6445	-95.8985	0.0283	41.6958	56.2939
0.8946	0.0449	73.7967	-97.554	0.0301	42.0945	56.4269
0.8904	0.0474	75.5075	-100.1478	0.0321	42.3999	56.6288
0.888	0.0492	76.5008	-102.1896	0.0339	42.5759	56.9243
0.8852	0.0507	78.653	-105.3352	0.0357	42.8347	57.2986
0.8794	0.0531	79.7567	-109.9156	0.0381	43.0573	57.7418
0.8746	0.055	81.8538	-112.4541	0.0405	43.2696	58.1457
0.8692	0.0576	83.5094	-115.986	0.0426	43.5802	58.3821
0.8649	0.0595	84.1164	-117.9175	0.0444	43.8908	58.6382
0.8608	0.0612	84.9442	-120.6768	0.0461	44.2273	58.9928
0.8542	0.0635	86.379	-123.7671	0.0477	44.6208	59.2833
0.8469	0.0658	88.3105	-126.7472	0.0499	45.0504	59.6232
0.8387	0.0682	90.4075	-130.7757	0.0522	45.4594	60.0516
0.8296	0.0706	93.0564	-135.1353	0.0553	45.9874	60.4062
0.8192	0.073	95.1535	-139.495	0.0579	46.6397	60.9578
0.805	0.0762	97.085	-143.7995	0.0602	47.2817	61.6571
0.7869	0.0806	99.8443	-151.5806	0.065	47.8666	62.2284
0.7639	0.0846	102.3276	-171.8337	0.0662	48.4672	61.9329

0.2477	0.005	2.3139	-0.5502	0.0032	24.721	24.2384
0.6984	0.008	28.9283	-41.0832	-0.0005	25.0167	26.4736
0.6729	0.0115	26.8067	-42.4789	-0.0004	27.1451	28.4042
0.6615	0.0134	28.1467	-43.5955	0	28.2328	30.0097
0.6552	0.0136	28.5933	-43.7072	-0.0001	27.5667	31.4625
0.6573	0.0134	29.6541	-43.9305	0.0001	28.6023	32.7282
0.6618	0.0135	30.3241	-44.433	0	29.2632	33.8068
0.6674	0.0139	30.994	-44.8796	-0.0001	29.8825	34.7671
0.6719	0.0146	31.2732	-44.8238	0	30.5018	35.6487
0.6757	0.015	31.4407	-45.3263	0.0001	31.1315	36.5795
0.6776	0.0152	31.8873	-45.4938	0	31.7352	37.3773
0.6781	0.0154	32.0548	-46.8337	0	32.3544	38.0077
0.6772	0.016	32.5573	-47.4478	0.0001	33.0258	38.6775
0.6763	0.0161	32.6689	-48.0061	0.0003	33.6451	39.2685
0.6787	0.0163	33.1714	-48.9553	0.0004	33.9989	39.8053
0.6836	0.0168	33.8972	-48.7878	0.0006	34.2435	40.2239
0.6915	0.0171	35.0697	-49.0111	0.0008	34.3112	40.549
0.7009	0.0176	37.9728	-49.0111	0.0011	34.3372	40.8543
0.7157	0.0165	39.9269	-49.2344	0.0013	34.3008	41.2138
0.7302	0.0162	40.2061	-49.7369	0.0014	34.2227	41.5783
0.7461	0.0161	40.3177	-50.351	0.0016	34.1655	41.7457
0.7619	0.0163	41.0435	-50.9093	0.0017	34.28	41.9969
0.7782	0.0159	41.6577	-51.4118	0.0018	34.3424	42.3121
0.796	0.0159	42.216	-52.3609	0.0017	34.4153	42.4845
0.8113	0.0157	42.7184	-53.3659	0.0017	34.535	42.7652
0.8257	0.0155	43.1092	-54.2033	0.0016	34.7171	43.1099
0.8387	0.0156	43.6676	-55.3199	0.0017	34.8264	43.4744
0.8507	0.0153	44.3375	-56.1016	0.0018	34.8732	43.6467
0.862	0.0154	44.9517	-57.609	0.0018	34.9096	43.7797
0.8716	0.0153	46.0683	-58.0556	0.0017	35.0085	43.9915
0.8809	0.0152	46.8499	-59.3397	0.0018	35.097	44.2624
0.8887	0.015	47.7432	-60.8472	0.002	35.2375	44.5579
0.8948	0.015	48.6923	-62.5221	0.002	35.3832	45.0011
0.9007	0.0152	49.6414	-64.197	0.0021	35.5133	45.3951
0.9058	0.0155	50.9255	-65.7044	0.0021	35.6694	45.6955
0.9087	0.0157	51.6513	-67.156	0.0021	35.888	45.9565
0.9125	0.0155	52.7679	-68.7193	0.002	36.0962	46.3062

0.9164	0.0158	53.8845	-69.8917	0.0021	36.3668	46.6608
0.9197	0.0159	55.1128	-71.4549	0.0023	36.5854	47.2075
0.9224	0.0161	56.6202	-73.074	0.0022	36.9236	47.5818
0.924	0.0165	58.1835	-75.1956	0.0025	37.2099	48.0742
0.925	0.0165	59.6351	-77.2055	0.0025	37.5429	48.5323
0.9274	0.0165	61.0308	-79.1596	0.0028	37.9228	49.0592
0.9288	0.0165	62.8733	-81.1695	0.0028	38.2403	49.6108
0.9299	0.0166	64.6598	-83.2352	0.0028	38.6306	50.123
0.9306	0.0168	66.4464	-86.1942	0.003	39.0105	50.7091
0.9312	0.0164	68.4005	-89.2649	0.003	39.432	51.2557
0.9301	0.0171	70.6337	-91.8331	0.0031	39.8743	51.832
0.9289	0.0177	73.5369	-94.7363	0.0034	40.2542	52.4623
0.9282	0.0174	75.4351	-97.807	0.0035	40.7746	52.8957
0.9266	0.0181	77.9475	-101.2126	0.0039	41.2118	53.4572
0.9247	0.0189	81.1298	-105.4557	0.0043	41.701	53.9497
0.9236	0.0194	85.2055	-110.0897	0.005	42.1329	54.3781
0.922	0.0205	89.5044	-115.9519	0.0056	42.5753	54.8066
0.9193	0.0212	94.5291	-122.0932	0.0061	43.1581	55.4173
0.9166	0.0227	100.4472	-129.3512	0.0072	43.5536	55.7325
0.9112	0.0241	106.1977	-137.8374	0.0083	44.0064	56.22
0.9091	0.0255	112.0599	-146.9378	0.0096	44.4383	56.5894
0.9048	0.027	118.8713	-157.6015	0.0109	44.7193	56.7716
0.8995	0.0285	126.4084	-169.9958	0.0123	45.1565	56.9243
0.8933	0.0307	135.2296	-184.4001	0.0142	45.6144	57.1361
0.8866	0.0322	145.4466	-196.6828	0.0157	45.9319	57.1903
0.8784	0.0345	155.7194	-210.8079	0.0178	46.4627	57.4513
0.8694	0.037	166.048	-226.608	0.0197	46.9883	57.6975
0.859	0.0396	177.6049	-242.1847	0.0217	47.5816	57.9536
0.849	0.0411	189.8877	-258.9338	0.0225	48.1436	58.1555
0.8348	0.0435	202.282	-277.1346	0.0248	48.7941	58.0817
0.8164	0.0459	216.1838	-297.0102	0.027	49.5539	57.9585
0.7934	0.0492	228.9132	-321.2965	0.0288	50.0275	57.7221
0.2145	0.0029	-39.5422	-48.6825	0.0024	22.4448	22.6738
0.681	0.0075	34.0089	-38.0125	0.0001	21.4103	24.543
0.6588	0.0101	27.4209	-40.9157	0.0001	24.9074	27.5127
0.6436	0.0117	28.37	-41.7531	0	25.9274	30.0835
0.6342	0.0119	28.9283	-42.3114	0.0002	27.1243	32.3096

0.6333	0.0119	29.8774	-42.9256	0.0001	28.3213	34.2352
0.6363	0.0122	30.0449	-42.9256	0.0001	29.258	35.959
0.6405	0.0124	30.9382	-43.5955	0.0002	29.9502	37.466
0.6449	0.0127	31.2174	-43.8189	0.0001	30.585	38.7957
0.6483	0.013	31.2732	-44.433	0.0002	31.1887	39.8595
0.6501	0.0133	31.8873	-44.8796	0.0001	31.7195	40.7854
0.65	0.0136	32.2781	-45.4379	0.0003	32.2139	41.6916
0.6492	0.0139	33.0598	-45.4938	0.0004	32.7812	42.4795
0.647	0.014	33.4506	-47.057	0.0005	33.3484	43.1838
0.6448	0.0143	34.3439	-47.4478	0.0007	33.8792	43.8831
0.6438	0.0147	34.3997	-48.4528	0.0008	34.2071	44.3904
0.6467	0.0154	34.9022	-48.6203	0.0013	34.4933	44.8878
0.6531	0.0162	35.0697	-48.6203	0.0017	34.6546	45.3212
0.6624	0.0166	35.9629	-48.2295	0.0021	34.8056	45.7842
0.6755	0.017	38.6428	-48.062	0.0024	34.9409	46.1437
0.6919	0.0165	41.9926	-48.3411	0.0026	34.9201	46.5919
0.7101	0.0158	41.1552	-48.5086	0.0026	34.9513	47.0646
0.7288	0.0155	41.4343	-49.2902	0.0026	34.9981	47.4094
0.7479	0.0153	41.8251	-49.7927	0.0025	35.0554	47.764
0.7667	0.0151	42.6068	-51.5235	0.0023	35.0449	48.0595
0.7852	0.0149	43.5001	-51.9701	0.0024	35.0085	48.4682
0.802	0.0149	43.7792	-53.4217	0.0024	34.9981	48.7637
0.8182	0.0147	44.8958	-54.65	0.0025	35.0502	49.1282
0.8326	0.0148	45.6775	-55.0966	0.0025	35.2011	49.5468
0.846	0.0149	46.2358	-56.1016	0.0027	35.3572	50.059
0.8567	0.0153	46.9616	-57.7206	0.003	35.5966	50.5465
0.8665	0.0154	47.6874	-58.3348	0.0031	35.81	51.0144
0.8741	0.0155	48.5248	-59.9539	0.0032	36.1378	51.635
0.883	0.0158	49.6414	-61.3496	0.0034	36.424	52.2259
0.8906	0.0159	50.6464	-63.0804	0.0036	36.6686	52.8022
0.8968	0.0159	51.8746	-64.2528	0.0037	36.9601	53.5261
0.9019	0.0163	53.8287	-66.2627	0.0038	37.1786	54.1664
0.9056	0.0164	54.3312	-67.6585	0.004	37.4336	54.6933
0.9108	0.0165	56.3411	-69.6125	0.004	37.6938	55.2646
0.9148	0.0166	57.1227	-71.5666	0.0044	38.0269	56.0132
0.9173	0.0169	58.8535	-73.2974	0.0048	38.3391	56.6928
0.9202	0.0172	60.4167	-75.5864	0.005	38.693	57.2691
0.9228	0.0178	61.5333	-77.2055	0.0055	39.0885	57.9093

0.9245	0.0182	63.2641	-79.6062	0.006	39.4684	58.4904
0.925	0.0189	64.5482	-81.0578	0.0062	39.7338	58.9041
0.9251	0.0193	66.3906	-83.4027	0.0066	40.1866	59.4311
0.9255	0.0199	68.3446	-85.9151	0.0067	40.5821	59.6872
0.9278	0.02	70.3545	-88.4833	0.0068	40.9412	60.2043
0.9279	0.0199	73.2019	-91.7773	0.0067	41.2951	60.7559
0.9283	0.0201	76.0493	-95.7971	0.007	41.6958	61.2681
0.9283	0.0206	79.1199	-99.426	0.0074	42.0288	61.8147
0.9274	0.0213	82.7489	-104.3391	0.0079	42.4452	62.2875
0.9248	0.022	86.992	-109.8105	0.0085	42.8615	62.7899
0.9239	0.0229	91.8493	-115.7844	0.0092	43.3923	63.504
0.9225	0.0239	98.1023	-122.7632	0.0103	43.7774	64.1639
0.9199	0.0251	103.2387	-129.8537	0.0112	44.2041	64.5234
0.9179	0.0262	110.05	-136.7767	0.0122	44.6725	65.0307
0.9138	0.0282	115.5773	-145.3746	0.0136	45.0732	65.3361
0.9102	0.0299	121.7186	-154.4191	0.0152	45.5208	65.671
0.9063	0.0319	127.6367	-164.8036	0.0169	46.0308	66.0846
0.9024	0.034	134.9504	-174.6856	0.0186	46.5408	66.4343
0.8965	0.0358	142.7109	-184.4559	0.0205	47.0664	66.8923
0.8919	0.0381	150.3597	-195.8453	0.0223	47.5295	67.2863
0.8859	0.0401	158.2318	-207.7931	0.0241	47.9147	67.4094
0.8782	0.0424	166.048	-221.1366	0.0258	48.2946	67.5375
0.8703	0.0449	173.9201	-234.3684	0.0285	48.7317	67.5276
0.8623	0.0474	182.6297	-247.2094	0.0316	49.122	67.109
0.8501	0.0505	191.1159	-262.6745	0.0345	49.6216	66.7987
0.834	0.0538	200.6071	-278.5862	0.0376	49.9599	66.1487

0.2144	0.0076	-88.8292	-107.8517	0.0064	24.8953	23.383
0.6846	0.0094	34.5047	-49.4324	-0.0004	24.0583	25.1586
0.6414	0.0133	32.9595	-50.0946	-0.0001	26.2481	27.493
0.6189	0.0158	33.7321	-49.929	-0.0001	26.6519	29.4975
0.602	0.0164	33.6217	-51.3087	-0.0001	26.626	31.1818
0.5944	0.0164	33.8977	-52.4676	0	27.1023	32.6002
0.5942	0.0162	34.5599	-53.5713	0	27.5009	33.8216
0.5973	0.0165	36.0499	-54.1783	-0.0001	27.9254	34.91
0.6016	0.0166	36.6569	-54.8957	-0.0001	28.5932	35.8802
0.604	0.0168	37.7054	-55.0613	0	29.6907	36.7519
0.6022	0.0174	38.5332	-55.1716	0.0001	30.7054	37.6088

0.5973	0.0175	38.5332	-56.6616	0.0001	31.4974	38.3426
0.5899	0.018	38.2021	-57.8757	0.0004	32.2584	39.0567
0.5813	0.0182	39.1955	-59.0346	0.0007	32.7916	39.6526
0.5734	0.0192	39.6921	-59.6968	0.0012	33.1954	40.2338
0.5701	0.0199	41.1821	-59.5865	0.002	33.4077	40.8691
0.5714	0.0205	42.2858	-59.8624	0.0027	33.4853	41.337
0.5771	0.0213	42.8929	-59.4209	0.0035	33.5682	41.8442
0.5857	0.0221	43.7758	-60.6902	0.0043	33.7287	42.1594
0.5974	0.0227	43.9966	-60.9661	0.0049	33.8633	42.5879
0.612	0.0231	43.4447	-60.635	0.0052	33.9047	42.9917
0.6309	0.0227	43.9966	-61.2972	0.0051	33.9616	43.5286
0.6531	0.0225	47.3077	-61.242	0.0053	34.2205	44.0801
0.6768	0.0217	50.1222	-62.5113	0.0051	34.412	44.6514
0.7015	0.021	49.5151	-63.5046	0.0049	34.5725	45.2375
0.7244	0.0206	49.5703	-64.6084	0.0048	34.7174	45.7497
0.7468	0.02	50.0118	-65.5465	0.0043	34.8417	46.1437
0.7672	0.0201	51.3363	-66.8709	0.0042	34.9556	46.5524
0.7857	0.0198	52.4951	-68.2506	0.0041	35.0746	46.9021
0.8028	0.0202	53.8196	-69.3543	0.0043	35.173	47.2518
0.8194	0.0202	55.0337	-71.3962	0.0045	35.2196	47.5227
0.8342	0.0201	56.4133	-72.831	0.0047	35.3024	47.7197
0.8463	0.0206	57.6826	-74.6521	0.005	35.4474	48.0004
0.8569	0.0213	59.0622	-76.0869	0.0053	35.5406	48.2515
0.866	0.0219	60.497	-78.0736	0.0058	35.6441	48.4288
0.875	0.0221	61.9319	-79.7843	0.0064	35.7632	48.6899
0.881	0.0228	63.9185	-81.8814	0.0069	35.9754	49.0986
0.888	0.0224	63.5874	-83.537	0.0073	36.3119	49.4828
0.8932	0.0232	65.4085	-85.6892	0.0079	36.5345	49.9014
0.8969	0.0236	66.3467	-87.5103	0.0087	36.7519	50.2067
0.9016	0.024	68.0574	-88.4485	0.0092	37.0936	50.5712
0.9041	0.0246	68.6093	-90.2696	0.0097	37.3732	50.9701
0.9069	0.0254	70.1545	-91.5388	0.0105	37.7252	51.4527
0.9088	0.0262	71.4789	-93.3048	0.0114	38.072	52.1176
0.9111	0.0276	73.1345	-95.7329	0.0125	38.4914	52.7086
0.9119	0.0287	74.2934	-97.2781	0.0135	38.8744	53.1863
0.9118	0.0298	76.0593	-98.7681	0.0144	39.3145	53.6542
0.9112	0.0312	77.3286	-100.6444	0.0155	39.7752	54.3633
0.9092	0.0324	78.653	-103.0726	0.0167	40.355	55.1907

0.9083	0.034	79.9775	-106.163	0.0179	41.028	56.0772
0.9062	0.0352	81.6331	-108.3152	0.0191	41.6907	56.7766
0.9044	0.0362	83.6749	-110.0811	0.0202	42.2808	57.5645
0.9019	0.0375	84.6683	-112.6749	0.0212	42.9227	58.2737
0.9008	0.0384	86.7101	-115.4341	0.0221	43.5233	59.0272
0.8978	0.0394	88.2001	-118.3038	0.0228	44.1393	59.8054
0.8955	0.0403	90.7938	-122.7738	0.0238	44.6829	60.5392
0.8897	0.0417	93.0564	-127.5749	0.025	45.0245	61.1253
0.8864	0.0423	93.8842	-130.1686	0.026	45.506	61.4995
0.883	0.0435	95.2087	-133.3694	0.0269	45.9926	61.9428
0.8784	0.0446	97.5265	-137.3427	0.028	46.3757	62.2826
0.8728	0.0464	99.5131	-141.2609	0.0293	46.7847	62.6914
0.8659	0.0476	103.5969	-145.9517	0.0308	47.1315	62.8342
0.8572	0.0499	105.418	-150.5321	0.0332	47.7217	62.9524
0.8461	0.052	107.1839	-155.0021	0.0362	48.5655	63.1986
0.8319	0.0547	108.1772	-159.0858	0.0383	48.9848	62.9573

0.2176	0.025	-51.4797	-63.8468	0.0212	20.6042	21.774
0.6903	0.0092	36.381	-52.6883	0.0001	17.6701	24.3214
0.6545	0.0124	31.4143	-44.7968	0.0002	21.5268	27.0252
0.6341	0.0146	30.2002	-45.7901	0.0002	22.6295	28.7341
0.6188	0.015	30.0347	-46.8938	0.0003	23.3335	30.0835
0.6105	0.015	30.0347	-48.3838	0.0002	24.9125	31.7876
0.6112	0.0147	30.6969	-49.929	0.0002	25.8598	33.1222
0.6154	0.0148	31.4143	-49.8187	0.0003	26.5691	34.1515
0.6214	0.0148	32.0765	-50.1498	0.0004	27.2783	35.1267
0.6266	0.0152	32.8491	-50.7568	0.0004	28.0704	35.9984
0.6287	0.0156	32.7388	-51.9709	0.0002	29.0488	36.8652
0.6284	0.0158	32.9043	-52.5779	0.0004	29.9962	37.7418
0.626	0.016	33.2906	-53.0746	0.0006	30.928	38.7268
0.6222	0.0164	33.7321	-54.2335	0.0006	31.6734	39.6723
0.6194	0.0169	33.6217	-55.3924	0.0012	32.2688	40.5342
0.6209	0.0175	33.9528	-55.8891	0.0016	32.6726	41.3271
0.6263	0.018	34.3943	-56.4961	0.0021	32.8434	42.0117
0.6317	0.0184	34.7806	-57.0479	0.0022	32.9366	42.6322
0.643	0.0188	36.2154	-56.8272	0.0027	32.9418	43.2725
0.6592	0.0189	37.3743	-56.7168	0.0029	32.7295	43.7945
0.6778	0.0191	40.2992	-56.2202	0.0028	32.5587	44.0506

0.6984	0.0193	42.5618	-56.3857	0.0028	32.4603	44.3018
0.7224	0.0181	44.4933	-56.6065	0.0026	32.274	44.745
0.7443	0.0177	43.7758	-57.3239	0.0024	32.2067	45.0947
0.7652	0.0175	44.9347	-57.9861	0.0023	32.1808	45.4345
0.7859	0.0172	45.9281	-59.5313	0.0023	32.1187	45.7152
0.8046	0.0167	46.8662	-61.0213	0.0021	31.9996	45.991
0.8213	0.0164	47.4181	-62.7872	0.0018	31.8702	46.257
0.8373	0.0165	48.7425	-64.8843	0.0019	31.808	46.4835
0.8501	0.0166	49.2392	-66.9261	0.0019	31.7615	46.7347
0.8634	0.0161	50.7292	-68.6369	0.0019	31.7252	46.9169
0.875	0.0163	52.2192	-70.2924	0.0019	31.7925	47.2124
0.8856	0.0164	53.4885	-70.6236	0.002	31.8961	47.4882
0.895	0.0166	54.8681	-72.6654	0.0018	32.0099	47.9166
0.9044	0.0163	56.1374	-74.2106	0.0019	32.2067	48.4978
0.9113	0.0161	57.3515	-75.8662	0.0019	32.6001	49.1971
0.9175	0.0156	58.6759	-77.6873	0.0018	32.9211	49.9851
0.9217	0.0154	59.7244	-80.1155	0.0017	33.211	50.7977
0.9276	0.015	61.38	-82.7644	0.0014	33.5009	51.635
0.9319	0.0148	62.9252	-85.7996	0.0014	33.8581	52.3885
0.9362	0.0149	64.5256	-88.8348	0.0012	34.2205	53.1863
0.9396	0.0148	66.6226	-91.2077	0.001	34.5725	53.8856
0.9405	0.0149	68.1126	-93.8566	0.0011	34.9815	54.7376
0.9418	0.0148	69.9889	-96.3952	0.001	35.4008	55.4025
0.9425	0.015	72.1412	-98.7681	0.001	35.8356	56.0969
0.9449	0.0152	74.1278	-100.9204	0.001	36.255	56.7519
0.9456	0.0157	75.8386	-103.4037	0.0011	36.7364	57.3823
0.9457	0.0161	78.8186	-105.3352	0.0013	37.2645	57.9979
0.945	0.0164	81.7986	-109.2534	0.0013	37.808	58.5348
0.9445	0.0167	84.889	-113.4475	0.0015	38.3309	59.1159
0.9452	0.0172	89.5246	-118.5797	0.0016	38.89	59.7266
0.9431	0.0178	94.2705	-124.9812	0.0018	39.4284	60.357
0.9404	0.0185	99.8443	-131.769	0.0021	39.9719	60.6574
0.9376	0.0193	107.515	-140.9298	0.0025	40.4793	61.2878
0.9354	0.0205	115.4065	-152.0221	0.003	40.9297	61.7212
0.9327	0.0213	124.7329	-163.2247	0.0037	41.4681	62.1053
0.9299	0.0224	136.0459	-179.5044	0.0045	41.846	62.5042
0.9258	0.0241	149.5663	-197.7156	0.0056	42.3119	62.7751

0.2571	0.0087	1.1175	-1.9618	0.0071	18.8197	21.7918
0.684	0.0095	38.754	-80.4466	0	19.9375	23.952
0.6414	0.0135	37.2088	-56.0546	0.0001	23.1472	25.6955
0.6159	0.016	37.2088	-56.9376	0.0001	23.23	26.7839
0.5927	0.0164	38.8092	-57.4894	0.0001	23.1472	27.8329
0.5725	0.0164	39.2506	-59.5313	0.0002	23.5147	28.8179
0.5591	0.0165	40.5751	-61.4076	0.0002	24.6588	29.9801
0.5528	0.0164	41.0166	-62.4009	0.0002	26.1135	31.1769
0.5542	0.0167	41.5684	-63.3943	0.0003	27.1851	32.088
0.56	0.0167	42.0651	-63.7806	0.0003	28.3396	32.7135
0.5644	0.0169	42.8929	-64.498	0.0006	29.4578	33.5753
0.5642	0.0177	43.3344	-65.7672	0.001	30.3275	34.314
0.5585	0.018	43.9414	-67.0365	0.0015	31.0988	35.1316
0.5524	0.0185	44.107	-68.6921	0.0023	31.8184	36.023
0.544	0.0192	43.4999	-70.1269	0.0029	32.4396	36.8947
0.5393	0.0199	43.3344	-71.3962	0.0038	32.8641	37.8206
0.5425	0.0202	43.8862	-72.3343	0.0045	32.978	38.7563
0.5544	0.0206	44.8244	-72.7206	0.0052	33.0246	39.5936
0.5688	0.0214	46.5903	-72.831	0.0059	33.2472	40.3372
0.586	0.0224	47.4733	-73.1621	0.0066	33.418	41.0119
0.6055	0.0229	48.5218	-72.7206	0.007	33.4129	41.5931
0.6282	0.0235	49.5151	-73.2725	0.0071	33.4439	42.1693
0.6531	0.0234	50.4533	-73.8795	0.0073	33.4284	42.7209
0.6783	0.0235	52.8263	-73.1069	0.0072	33.5216	43.2626
0.7024	0.0234	54.4266	-73.8243	0.007	33.7856	43.7453
0.7258	0.0231	55.42	-73.9347	0.0066	33.9616	44.2033
0.7488	0.0217	58.7863	-74.8728	0.0059	33.7494	44.4446
0.7705	0.0196	58.0689	-76.4732	0.0048	33.4595	44.8632
0.7885	0.019	58.8415	-77.9632	0.0046	33.2783	45.0897
0.8047	0.0188	60.2211	-79.3429	0.0043	33.1023	45.3951
0.8235	0.0185	61.5456	-80.8881	0.0041	32.9418	45.4837
0.8373	0.0187	62.7045	-82.654	0.0042	32.7865	45.6167
0.8519	0.0189	64.0289	-84.3095	0.0043	32.7658	45.6955
0.8639	0.0189	65.1878	-85.7996	0.0044	32.7917	45.7743
0.8733	0.0193	66.6226	-88.2829	0.0044	32.8227	45.9319
0.8842	0.0189	67.7815	-90.2696	0.0045	32.9677	46.0994
0.8933	0.0188	69.6026	-92.477	0.0045	33.0867	46.3949

0.9002	0.0189	71.0926	-94.3533	0.0047	33.2265	46.715
0.9068	0.0192	72.7482	-96.6711	0.0049	33.3818	47.0893
0.9117	0.0194	74.1278	-98.713	0.0052	33.6303	47.7197
0.9172	0.0196	75.7282	-100.8652	0.0055	34.0496	48.4879
0.9209	0.0196	77.3286	-103.5693	0.0057	34.4275	49.2119
0.9247	0.0196	79.3705	-105.5559	0.0058	34.8417	49.99
0.9273	0.0196	81.1364	-106.9356	0.0059	35.2144	50.6795
0.9319	0.0198	82.6264	-109.5845	0.006	35.6752	51.4183
0.9347	0.0204	84.5579	-111.6815	0.0064	36.0893	52.2555
0.9355	0.0209	86.2135	-114.3856	0.0065	36.5449	52.8957
0.9356	0.0213	88.5312	-117.0345	0.0069	37.016	53.4572
0.9352	0.0213	90.9042	-121.1182	0.0068	37.5129	54.2058
0.9363	0.021	93.829	-124.6501	0.0068	38.0047	55.0775
0.9368	0.021	97.085	-129.4512	0.0063	38.5017	55.8999
0.936	0.0213	101.3343	-134.2524	0.0066	38.8952	56.4564
0.9352	0.022	105.2524	-139.8813	0.0069	39.3041	56.9489
0.9347	0.023	109.4465	-144.4065	0.0075	39.7131	57.5301
0.9336	0.024	113.5854	-149.9802	0.0083	40.2101	58.0964
0.932	0.0249	118.4417	-156.1058	0.0089	40.5983	58.259
0.9309	0.0261	123.0221	-163.3903	0.0099	41.028	58.7958
0.9296	0.027	127.6025	-171.5025	0.0108	41.4111	59.175
0.9275	0.0285	134.28	-179.6148	0.0119	41.8045	59.5197
0.9273	0.0297	140.1296	-188.2237	0.0128	42.11	59.7906
0.9237	0.031	146.3104	-196.2808	0.0139	42.5604	60.4013
0.3747	0.0049	16.9862	-6.4292	0.0039	21.8546	23.6888
0.7623	0.0064	26.9184	-37.0634	-0.0004	19.8074	26.4046
0.7032	0.0121	32.334	-43.0372	-0.0001	23.5856	28.084
0.6859	0.0138	32.6131	-43.5397	-0.0001	24.8502	29.8275
0.6751	0.0142	34.5672	-43.8189	-0.0001	26.0783	31.3788
0.6699	0.014	34.1205	-44.4888	0	27.2024	32.7233
0.67	0.0143	34.288	-44.768	0	28.1912	33.8905
0.6729	0.0144	34.6788	-46.1637	-0.0001	29.1591	34.8903
0.6775	0.0148	35.293	-45.9962	-0.0001	30.1999	35.9097
0.6799	0.0151	35.4605	-45.7171	0	31.2252	36.8011
0.6806	0.0152	35.0697	-47.2803	0.0001	32.1931	37.6876
0.6794	0.0154	35.4605	-48.1736	0.0001	33.0101	38.5298
0.6783	0.0158	35.6838	-48.9553	0.0004	33.7595	39.3276

0.6776	0.0161	35.8513	-49.6811	0.0005	34.358	40.1057
0.6806	0.0163	36.5212	-51.2443	0.0009	34.7743	40.7558
0.6862	0.0168	36.7446	-50.9093	0.0013	35.0033	41.401
0.6939	0.0173	37.7495	-51.0768	0.0016	35.2687	41.9674
0.703	0.0177	38.7545	-51.4118	0.0021	35.4769	42.4746
0.7144	0.0182	39.5919	-51.021	0.0026	35.555	42.9228
0.7267	0.0183	41.2668	-50.9093	0.0028	35.5133	43.1986
0.7425	0.0184	41.7693	-51.9701	0.0028	35.4196	43.4941
0.7608	0.0181	42.8301	-51.691	0.0028	35.3676	43.7945
0.778	0.0179	44.5608	-52.1934	0.0028	35.3468	44.1589
0.7951	0.0168	44.505	-52.9192	0.0027	35.2635	44.4495
0.8106	0.0167	44.6167	-53.7567	0.0026	35.2791	44.8189
0.8252	0.0166	45.4541	-54.0917	0.0024	35.3416	45.1095
0.839	0.0165	45.6775	-54.7616	0.0028	35.4092	45.4296
0.8519	0.0165	46.2916	-55.7666	0.0028	35.5029	45.8186
0.8624	0.0164	47.3524	-56.2691	0.0028	35.659	46.2225
0.8717	0.0165	47.799	-57.0507	0.0028	35.6955	46.513
0.8805	0.0165	47.7432	-58.2231	0.003	35.9192	46.8578
0.8891	0.0163	48.134	-58.6698	0.0032	35.9401	47.2222
0.8957	0.0164	48.9715	-59.3956	0.0031	36.117	47.6556
0.9029	0.0164	49.4181	-60.5122	0.0033	36.3512	48.0595
0.9088	0.0166	50.0881	-61.3496	0.0034	36.5177	48.35
0.9141	0.0166	50.423	-62.1313	0.0036	36.6322	48.4387
0.9189	0.0169	50.8697	-62.4662	0.0038	36.7675	48.6948
0.9213	0.0172	51.8188	-63.8062	0.0039	36.934	48.9755
0.9232	0.0175	52.3213	-64.4761	0.0041	37.1578	49.2808
0.9262	0.0179	52.3771	-64.867	0.0042	37.3764	49.6108
0.9278	0.0184	52.4888	-65.3694	0.0044	37.6366	49.8521
0.929	0.0186	52.8796	-66.3744	0.0046	37.8864	50.1329
0.9289	0.0188	53.1587	-67.6585	0.0048	38.1362	50.4382
0.9302	0.019	54.387	-68.1051	0.0048	38.5785	50.7829
0.9326	0.0191	54.722	-68.9984	0.0048	38.9064	51.1474
0.9335	0.0191	55.2803	-70.5058	0.005	39.3123	51.5906
0.9343	0.0194	56.4527	-71.8458	0.0052	39.6974	52.0142
0.9338	0.0196	58.0718	-72.7949	0.0055	40.0825	52.4574
0.9319	0.0201	58.8535	-74.9723	0.0058	40.4884	52.8908
0.9313	0.0204	60.3051	-77.0938	0.0064	40.91	53.3488
0.9323	0.0211	62.4266	-79.8295	0.0069	41.3939	53.8265

0.9325	0.0216	64.0457	-82.3419	0.0075	41.8623	54.4077
0.9326	0.0222	65.609	-84.5751	0.0079	42.2942	54.7229
0.9304	0.0228	67.4514	-87.0317	0.0083	42.7886	55.1316
0.9292	0.0229	69.7962	-89.0416	0.0087	43.2154	55.5207
0.9267	0.0237	71.192	-91.7773	0.009	43.6109	55.7965
0.9256	0.0241	73.3694	-94.9038	0.0096	44.1053	56.3481
0.9243	0.0243	75.156	-98.0861	0.0097	44.4904	56.8554
0.9217	0.0247	77.78	-101.9942	0.0102	44.9171	57.2691
0.9211	0.0252	79.6224	-106.0699	0.0106	45.349	57.6778
0.9174	0.0258	82.2464	-110.9829	0.0111	45.7393	58.1752
0.9166	0.0262	85.2613	-115.6727	0.0116	46.2181	58.648
0.9143	0.0267	88.6111	-120.5858	0.0123	46.5928	58.9731
0.9112	0.0274	92.9101	-125.8339	0.0131	47.1549	59.2932
0.9086	0.0279	96.8182	-131.6961	0.0137	47.4411	59.5197
0.9021	0.0292	100.7822	-138.5632	0.0147	47.7533	59.702
0.8969	0.0307	105.0253	-146.4353	0.0159	48.0916	59.8842
0.8917	0.0323	110.4967	-155.1449	0.0169	48.5756	60.1403
0.8833	0.0341	115.2423	-164.0219	0.0191	49.174	60.4111
0.8741	0.0367	120.267	-172.0057	0.0212	49.5644	60.2289
0.8607	0.0399	124.5101	-181.2177	0.0242	49.9755	59.5788

0.3733	0.008	13.8606	-0.5879	0.0059	20.59	21.3884
0.7138	0.0083	28.3478	-38.5802	-0.0004	21.7745	23.1493
0.6798	0.0129	25.2477	-43.0088	-0.0003	24.6784	26.2126
0.6526	0.0145	25.2477	-43.8945	-0.0004	25.4642	28.1481
0.629	0.0147	25.5799	-43.507	-0.0003	26.2761	29.8324
0.6114	0.0151	26.687	-44.2267	-0.0003	27.3065	31.4281
0.5999	0.0151	28.1817	-44.282	-0.0002	28.1131	32.8415
0.5926	0.0151	27.9049	-44.7803	-0.0004	28.8781	34.0284
0.5884	0.015	28.237	-44.5588	-0.0004	29.6431	35.1217
0.5853	0.0154	28.5692	-44.7803	-0.0002	30.3665	36.0673
0.5812	0.0155	29.3996	-44.9463	-0.0001	31.1991	36.944
0.5738	0.0159	29.0121	-45.3338	-0.0002	31.8444	37.7713
0.5648	0.016	29.1781	-45.3892	-0.0001	32.573	38.5593
0.5539	0.0163	29.5103	-46.0535	0.0001	33.0986	39.17
0.5448	0.0165	29.7317	-46.4964	0.0003	33.4733	39.7955
0.5384	0.0171	30.0639	-46.4964	0.0005	33.822	40.2781

0.5371	0.0173	30.5067	-47.2714	0.0007	34.0978	40.7608
0.5395	0.0179	30.7282	-46.8285	0.0012	34.2852	41.1547
0.5451	0.0183	30.7282	-46.3856	0.0015	34.4777	41.6275
0.5552	0.0187	31.6139	-46.441	0.0018	34.5766	42.0757
0.5703	0.0189	32.9978	-47.2714	0.002	34.7327	42.5091
0.5874	0.0191	32.8871	-46.3856	0.0021	34.7275	42.7997
0.6089	0.019	34.5479	-47.6035	0.002	34.7847	43.0705
0.6294	0.0189	36.8176	-47.9357	0.0021	34.8004	43.3513
0.6502	0.0191	40.1944	-48.0464	0.0022	34.8108	43.6615
0.6714	0.0178	43.0177	-48.5446	0.002	34.7223	44.0161
0.69	0.0174	42.5748	-49.9839	0.0018	34.6911	44.351
0.7057	0.0174	42.8516	-50.6482	0.0016	34.6651	44.7204
0.7216	0.0174	43.4052	-50.5929	0.0019	34.8056	45.0307
0.7363	0.0171	43.3498	-51.5339	0.0017	34.842	45.4493
0.7483	0.0172	43.6266	-52.1429	0.0018	34.9513	45.9319
0.7582	0.0175	43.6819	-53.1393	0.002	35.1751	46.3653
0.7676	0.0176	43.7373	-54.0804	0.002	35.326	46.7445
0.775	0.0177	44.1802	-54.8001	0.0022	35.5289	47.104
0.7804	0.0178	44.4016	-55.8519	0.0023	35.7631	47.567
0.7856	0.0181	45.1766	-56.6269	0.0026	35.9453	47.956
0.7897	0.018	45.1766	-57.1251	0.0027	36.1274	48.4338
0.7932	0.018	45.2873	-58.4537	0.0031	36.4136	48.8918
0.7953	0.0181	45.8409	-59.118	0.0029	36.575	49.3006
0.797	0.0183	46.1177	-59.5055	0.003	36.8143	49.7241
0.7985	0.0185	46.4499	-60.3912	0.0031	37.0173	50.0836
0.7988	0.0188	46.4499	-60.7787	0.0033	37.3556	50.4431
0.798	0.0191	46.8374	-61.8859	0.0034	37.6158	50.8864
0.7959	0.0193	47.3909	-62.4948	0.0037	37.902	51.369
0.7944	0.0204	47.7784	-62.8823	0.0035	38.2559	51.8418
0.7928	0.0202	48.332	-64.1002	0.0036	38.5681	52.2801
0.7904	0.0205	48.941	-65.3735	0.0037	38.8283	52.7184
0.7881	0.0206	49.6053	-65.927	0.0039	39.125	53.0927
0.7846	0.0206	50.0481	-67.2003	0.0043	39.4788	53.5704
0.779	0.0209	50.6571	-68.0306	0.0043	39.8223	53.8561
0.7738	0.0213	51.7642	-69.4146	0.0042	40.0981	54.1861
0.7691	0.0214	52.5946	-69.636	0.0044	40.4832	54.5308
0.7619	0.0221	53.425	-70.5771	0.0045	40.8787	54.91
0.756	0.0222	54.0893	-72.1272	0.0046	41.2847	55.2498

0.7477	0.0223	54.8089	-73.7879	0.0049	41.6229	55.6931
0.7389	0.023	56.525	-75.2826	0.0049	42.0444	56.0871
0.7304	0.0231	58.0197	-78.1612	0.0053	42.4243	56.5796
0.7211	0.0234	59.3483	-79.3791	0.0054	42.747	56.7372
0.7095	0.0235	61.009	-82.0362	0.0057	43.1633	57.2149
0.6959	0.0239	63.1126	-85.0809	0.0059	43.512	57.663
0.6817	0.0241	64.1644	-88.1256	0.0062	43.9283	57.9241
0.6664	0.0243	66.2127	-91.6685	0.0064	44.2614	58.1999
0.6494	0.0249	67.8734	-94.4364	0.0067	44.7089	58.584
0.6312	0.025	69.9217	-97.924	0.0068	45.1253	58.8155
0.6112	0.0255	72.1914	-101.4669	0.007	45.5468	59.2439
0.5894	0.0257	73.9628	-105.5634	0.0077	45.9943	59.505
0.5634	0.0268	76.5093	-110.4903	0.0084	46.2754	59.8743
0.5354	0.0276	79.7201	-115.9707	0.0091	46.8062	60.1649
0.5026	0.0284	84.5916	-121.9494	0.0102	47.1757	60.3225
0.4655	0.0295	89.1863	-126.9316	0.0112	47.311	60.5343
0.4234	0.0309	92.6185	-134.7371	0.0125	47.5452	60.746
0.3754	0.0318	97.2132	-140.6604	0.0141	48.2165	61.0317
0.3187	0.0337	102.3615	-148.2445	0.0156	48.6588	61.1794
0.2548	0.0356	107.3991	-158.6518	0.0179	49.3666	61.5488

0.2202	0.001	-2.4596	-11.7554	0.0002	25.1519	24.8501
0.6415	0.0072	26.6392	-31.3128	-0.0003	22.2169	28.2416
0.6668	0.0109	26.8626	-41.4181	-0.0003	24.9438	30.6696
0.6527	0.013	29.2633	-41.809	-0.0003	26.0003	32.5115
0.6438	0.0133	27.9233	-43.3722	-0.0003	27.1191	34.0284
0.6418	0.013	27.9792	-44.098	-0.0002	28.0455	35.3384
0.6427	0.013	28.5375	-44.5447	-0.0001	28.8157	36.5598
0.6449	0.0133	28.7608	-44.768	-0.0001	29.5026	37.6039
0.6477	0.0136	29.3749	-45.3263	-0.0001	30.2832	38.5347
0.6504	0.0137	30.1566	-45.5496	0	31.1055	39.4064
0.6512	0.014	30.4357	-45.6054	-0.0001	31.8861	40.2387
0.6506	0.0145	30.659	-45.9962	0	32.6615	41.0021
0.6497	0.0147	30.7707	-46.4429	0.0002	33.2599	41.6719
0.6499	0.015	31.2732	-46.4987	0.0004	33.8168	42.3613
0.6534	0.0151	31.7757	-47.0012	0.0005	34.1655	42.9228
0.6602	0.0152	32.7248	-47.5037	0.0007	34.4153	43.5975
0.669	0.0156	34.1764	-46.8337	0.0009	34.6442	44.1934

0.6798	0.0159	36.3538	-46.2196	0.0008	34.7587	44.5874
0.6929	0.0162	37.7495	-47.1129	0.0014	34.7379	44.9765
0.709	0.0158	38.8661	-47.8387	0.0016	34.5558	45.336
0.7265	0.0153	38.5311	-48.6761	0.0016	34.5037	45.7546
0.7443	0.0151	39.1453	-49.3461	0.0015	34.4465	46.1092
0.7618	0.015	39.3686	-50.1277	0.0013	34.4569	46.3998
0.7787	0.0151	39.7594	-50.5743	0.0016	34.4621	46.6756
0.7951	0.015	40.2061	-51.3001	0.0016	34.5818	46.9858
0.8112	0.0148	40.9319	-51.5793	0.0016	34.6286	47.3651
0.8258	0.0148	40.7085	-52.2493	0.0015	34.7379	47.7147
0.8397	0.0146	41.0435	-53.5334	0.0016	34.79	48.0398
0.8525	0.0144	41.4343	-53.9242	0.0014	34.8784	48.2909
0.8639	0.0143	41.9926	-54.985	0.0015	34.9617	48.7391
0.8741	0.0142	42.4393	-55.3758	0.0015	35.1074	49.1577
0.883	0.0142	43.0534	-56.6599	0.0016	35.2375	49.6354
0.891	0.0141	43.7792	-57.4415	0.0017	35.4301	50.0984
0.8978	0.0142	44.3375	-58.6139	0.0016	35.5966	50.517
0.9041	0.0141	45.0075	-59.5631	0.0018	35.7839	50.9898
0.9095	0.0142	45.3425	-60.568	0.002	35.9453	51.5414
0.9143	0.0142	46.2358	-61.7963	0.0018	36.1794	52.0733
0.9189	0.0142	46.9057	-62.8571	0.0021	36.3824	52.6692
0.9229	0.0144	47.0174	-63.3037	0.0021	36.7207	53.1223
0.926	0.0145	47.7432	-63.8062	0.0022	37.0225	53.6345
0.9286	0.0147	48.0782	-64.532	0.0021	37.3035	54.0876
0.9318	0.0146	48.7481	-65.2578	0.0021	37.6418	54.5357
0.9341	0.0145	49.3623	-66.1511	0.0019	37.9696	55.0775
0.9361	0.0144	49.6973	-66.821	0.0019	38.3131	55.5897
0.9376	0.0143	50.7022	-67.826	0.002	38.615	56.1462
0.9386	0.0144	51.6513	-69.1659	0.0017	38.9324	56.6978
0.9393	0.0142	52.7679	-70.2825	0.0017	39.3383	57.1853
0.9393	0.0142	53.4379	-71.6783	0.0017	39.8171	57.7074
0.9392	0.0141	54.5545	-73.409	0.0016	40.1189	58.0669
0.9387	0.0142	55.9503	-74.749	0.0017	40.4936	58.6382
0.938	0.0146	57.5694	-77.373	0.0018	40.8787	59.0617
0.9376	0.0147	59.6909	-79.997	0.0019	41.3367	59.6035
0.9367	0.015	61.5892	-82.3977	0.002	41.7686	60.0664
0.9353	0.0152	64.3249	-84.7985	0.0021	42.211	60.4407
0.9341	0.0153	66.1114	-87.3667	0.0022	42.5701	60.8396

0.9319	0.0157	69.2379	-90.7723	0.0021	43.0749	61.3814
0.9299	0.0161	72.5878	-94.4571	0.0024	43.5588	61.731
0.9281	0.0166	75.0443	-99.0911	0.0027	44.0792	62.3023
0.9251	0.0172	79.5107	-103.7808	0.0031	44.5528	62.7899
0.9231	0.0179	83.4189	-109.9222	0.0034	45.1461	63.3513
0.9202	0.0184	88.8344	-116.566	0.0042	45.6249	63.9374
0.9164	0.0193	96.4274	-125.4989	0.005	46.1401	64.3412
0.9112	0.0203	102.7362	-133.9293	0.0056	46.6032	64.6958
0.9064	0.0214	109.7709	-145.1512	0.0067	47.134	65.1834
0.9006	0.0228	118.0896	-157.7131	0.0075	47.7221	65.5331
0.8932	0.0246	128.2508	-172.1732	0.009	48.2998	65.9024
0.8826	0.0265	139.5285	-187.2475	0.0106	48.7317	66.2521
0.8718	0.0284	149.8572	-201.3726	0.0122	49.403	66.5919
0.8561	0.0308	162.0841	-216.726	0.0138	50.2773	66.8677
0.8348	0.0334	173.8085	-239.114	0.0159	51.0631	67.0696
0.8077	0.0354	184.9746	-253.1833	0.0172	51.7449	67.0795

0.4021	0.0006	5.2895	3.2035	0.0002	22.4352	24.2916
0.7355	0.0073	30.2002	-42.8653	-0.0001	19.6942	24.7597
0.7151	0.0125	27.6065	-44.9071	0	22.7071	27.1582
0.6986	0.0143	27.441	-45.0727	0.0001	23.9082	29.2118
0.6841	0.0148	26.6684	-45.6246	0	24.7882	30.9799
0.6742	0.0149	26.9443	-46.6731	0	25.8391	32.4968
0.6715	0.0147	27.8824	-47.7768	0.0001	26.859	33.9348
0.6734	0.0148	28.7654	-48.5494	0	27.6355	35.1513
0.6783	0.0146	29.7587	-48.439	0	28.3654	36.2101
0.683	0.0146	31.0832	-49.2668	0.0001	29.0954	37.0917
0.6854	0.015	32.1869	-49.6531	0.0001	29.7684	37.791
0.6861	0.0156	32.9595	-50.6464	0.0001	30.4569	38.3328
0.6859	0.0158	33.9528	-50.7016	0.0001	30.9901	38.9582
0.6835	0.0167	34.4495	-50.812	0.0003	31.5389	39.5837
0.6828	0.017	34.6702	-51.2535	0.0007	31.9219	40.2338
0.6837	0.0174	35.4429	-51.6398	0.0008	32.1549	40.7558
0.6868	0.0179	36.1603	-51.9157	0.0011	32.3413	41.2335
0.693	0.0183	36.7673	-52.1916	0.0015	32.5794	41.8048
0.7004	0.0185	38.2573	-52.2468	0.0018	32.6933	42.3614
0.7134	0.0177	40.7958	-52.302	0.0019	32.5017	42.8194
0.7291	0.0169	39.4714	-53.0194	0.0019	32.362	43.3463

0.746	0.0167	39.5818	-54.0679	0.002	32.3879	43.7748
0.7634	0.0162	40.0232	-55.1716	0.0021	32.4086	44.1343
0.7799	0.0162	40.5751	-55.4476	0.0019	32.3827	44.4495
0.7959	0.0163	41.0166	-55.7235	0.0019	32.4086	44.745
0.8112	0.016	41.5132	-56.2753	0.0018	32.4707	45.1242
0.8258	0.016	42.1203	-56.9376	0.0018	32.5069	45.4887
0.8392	0.0159	42.3962	-57.9861	0.0017	32.5742	45.8334
0.8527	0.0154	43.2792	-58.7587	0.0016	32.6415	46.2225
0.8638	0.0159	43.9414	-59.8624	0.0016	32.6829	46.6115
0.8741	0.0156	44.3829	-60.7454	0.0018	32.7088	46.8873
0.8835	0.0159	45.5418	-62.2354	0.0019	32.7865	47.1484
0.8918	0.0158	46.5351	-62.6769	0.0019	32.8797	47.4833
0.8991	0.0157	47.5836	-64.0565	0.0019	33.0039	47.7935
0.9048	0.0157	48.4114	-64.9947	0.002	33.1023	48.0792
0.9107	0.0158	49.0737	-66.0432	0.0022	33.2679	48.3697
0.9151	0.0162	50.2325	-67.2021	0.0023	33.4388	48.6406
0.9186	0.0163	50.7292	-68.1954	0.0024	33.6821	48.9804
0.9228	0.0163	51.1155	-68.6921	0.0024	33.9461	49.5074
0.926	0.0166	51.6122	-70.0717	0.0025	34.3188	50.0935
0.9278	0.017	52.2744	-70.6787	0.0025	34.6812	50.6943
0.9294	0.0167	53.1574	-71.6721	0.0024	35.0695	51.2557
0.9314	0.0167	53.93	-73.1621	0.0025	35.5095	51.8418
0.9328	0.0168	54.4266	-74.1554	0.0023	35.8667	52.3786
0.9337	0.0165	55.0889	-75.811	0.0022	36.2808	52.9795
0.9349	0.0165	56.2478	-77.0803	0.0022	36.6639	53.5901
0.9348	0.0167	57.0755	-78.6806	0.0021	37.0263	54.1122
0.9354	0.0168	58.2896	-80.4466	0.0021	37.4612	54.6539
0.9354	0.0166	60.0004	-82.5436	0.002	37.8857	55.2351
0.9351	0.0168	61.8215	-84.1992	0.0021	38.2118	55.7867
0.9344	0.0171	63.2563	-85.4684	0.0021	38.4137	56.0871
0.9334	0.0175	64.6911	-87.7862	0.0021	38.7243	56.2791
0.9326	0.0179	66.8985	-89.6625	0.0023	39.1385	56.5599
0.9319	0.0183	69.6026	-91.9803	0.0025	39.4646	56.8455
0.9296	0.0189	71.7549	-95.6777	0.0029	39.7908	57.141
0.9274	0.0195	75.5627	-99.8167	0.0032	40.2101	57.4857
0.9268	0.0199	80.0879	-105.0041	0.0035	40.7122	57.7566
0.9234	0.0205	85.1097	-111.1849	0.0038	40.9814	58.0275
0.9199	0.0211	90.4075	-119.6834	0.0044	41.4629	58.648

0.9183	0.0219	97.8024	-128.8442	0.0049	42.0427	59.3129
0.9138	0.0229	105.1421	-139.2191	0.0054	42.5138	59.9876
0.9094	0.0241	114.0821	-151.8013	0.0063	43.0936	60.7559
0.9035	0.0255	122.3047	-163.9421	0.0076	43.5233	61.342
0.8976	0.0265	129.9203	-174.2066	0.0085	44.0047	61.9182
0.8939	0.0276	137.867	-181.3807	0.0093	44.5845	62.4501
0.8865	0.0298	147.1934	-192.473	0.0104	45.2782	63.041
0.8785	0.0314	159.7205	-207.8698	0.0119	45.8218	63.7108
0.8704	0.0331	173.4616	-223.8183	0.0131	46.3705	64.292
0.8621	0.0338	182.512	-231.8202	0.0138	46.9452	64.8239
0.8497	0.035	189.5758	-245.7821	0.0145	47.4421	65.2917
0.8362	0.0362	200.3369	-253.9496	0.0152	47.8356	65.6266
0.8177	0.0379	208.1181	-274.3682	0.0168	48.1721	65.9566
0.7929	0.0401	217.6651	-298.3187	0.0187	47.8977	65.2819

0.2933	0.0089	-7.7356	-13.4136	0.0079	22.5946	22.8201
0.7145	0.008	30.8265	-41.4181	-0.0002	21.5299	24.6218
0.6858	0.0113	31.329	-43.0931	-0.0002	24.5379	27.6014
0.6685	0.0129	30.9382	-44.1538	-0.0003	25.126	29.7487
0.6554	0.0134	31.2732	-44.433	-0.0001	25.7765	31.3837
0.6487	0.0134	31.7198	-44.8238	0.0001	26.4582	32.7036
0.6465	0.0136	31.999	-45.3263	0	27.1816	33.8413
0.6482	0.0139	31.9431	-45.4938	0	27.8893	34.8903
0.6528	0.014	32.6689	-45.7171	0.0001	28.7116	35.8063
0.6564	0.0145	33.3389	-46.2754	0	29.5234	36.6288
0.659	0.0148	33.7856	-46.8337	0.0001	30.2624	37.4512
0.659	0.0148	33.8414	-47.3362	-0.0001	30.9025	38.1998
0.6572	0.015	34.3997	-48.6203	0.0001	31.4906	38.8794
0.6544	0.0154	34.288	-49.2902	0.0005	31.9485	39.5739
0.6524	0.0155	34.5672	-50.6302	0.0006	32.3596	40.1944
0.6545	0.016	35.1813	-51.1327	0.0008	32.6771	40.7164
0.6605	0.0163	35.8513	-51.021	0.0011	32.7916	41.2139
0.6688	0.0165	36.2421	-51.2443	0.0013	32.9685	41.6325
0.6796	0.0169	37.1912	-50.9652	0.0015	33.057	42.0166
0.6936	0.0173	38.4195	-50.9093	0.0018	33.0206	42.3712
0.7107	0.0175	39.3686	-50.9652	0.0019	33.0466	42.7553
0.7303	0.0179	40.0944	-51.8026	0.002	33.1767	43.0804
0.7501	0.0177	43.0534	-51.356	0.0021	33.2652	43.4547

0.7703	0.0167	44.8958	-51.1326	0.0021	33.1507	43.8634
0.7895	0.0163	45.2308	-52.0259	0.0019	33.083	44.1048
0.8072	0.0161	46.0124	-52.8076	0.0016	33.0258	44.4446
0.8255	0.0154	46.4591	-54.0917	0.0015	32.9477	44.7992
0.8426	0.015	47.2965	-55.0408	0.0013	32.8957	45.1242
0.858	0.0148	48.3015	-56.2132	0.0014	32.7812	45.3951
0.8706	0.0147	48.6365	-57.4973	0.0013	32.8124	45.7448
0.8833	0.0148	49.3623	-58.1115	0.0013	32.8176	46.0747
0.8942	0.0146	50.1439	-59.1164	0.0013	32.8592	46.3801
0.9045	0.0144	50.423	-60.7355	0.0014	32.9633	46.7593
0.9138	0.0147	51.3722	-61.5171	0.0013	33.1559	47.2419
0.922	0.0147	52.3213	-62.2988	0.0013	33.2704	47.7246
0.9295	0.0147	52.6004	-63.4712	0.0015	33.4577	48.2171
0.9361	0.0145	53.0471	-64.867	0.0014	33.6294	48.7785
0.9417	0.0146	53.9404	-65.8161	0.0013	33.8116	49.2316
0.9469	0.0143	54.5545	-67.6585	0.001	34.077	49.8324
0.9516	0.0142	55.2803	-68.6634	0.0009	34.306	50.3939
0.9558	0.0138	56.2294	-70.5617	0.001	34.5662	50.8716
0.9604	0.0136	57.011	-71.3433	0.0008	34.868	51.3887
0.9637	0.0137	58.2393	-73.1857	0.0008	35.1334	51.7827
0.9663	0.0136	58.9651	-74.1348	0.0008	35.4925	52.3491
0.968	0.0135	60.1376	-76.1447	0.0008	35.8724	52.9598
0.97	0.0138	61.2542	-77.5963	0.0008	36.2679	53.5655
0.9712	0.0137	61.8125	-79.0479	0.0006	36.6738	54.0679
0.9728	0.0137	62.8732	-80.0529	0.0007	37.085	54.6933
0.9737	0.0138	64.4365	-82.1744	0.0007	37.4909	55.2745
0.9739	0.0139	65.4973	-83.8493	0.0006	37.9332	55.7374
0.9732	0.0142	67.6747	-86.25	0.0006	38.4172	56.1806
0.9736	0.0143	69.8521	-88.7624	0.0006	38.9116	56.7667
0.9745	0.0148	71.8061	-92.2239	0.0007	39.4684	57.3035
0.9748	0.0148	75.0443	-96.2437	0.0007	40.0357	57.8847
0.9742	0.0153	78.8408	-101.7151	0.0006	40.5092	58.3181
0.9729	0.0159	83.8097	-107.354	0.0011	41.1389	58.8499
0.9712	0.0164	89.1694	-114.5561	0.001	41.6698	59.3572
0.971	0.0171	95.7016	-122.484	0.0015	42.1641	59.7906
0.9698	0.0177	101.4521	-131.8077	0.0019	42.6481	60.16
0.9685	0.0184	108.3193	-141.5781	0.0023	43.205	60.6278
0.9667	0.019	115.9681	-153.5258	0.0028	43.7514	60.8889

0.9639	0.0201	123.896	-164.3569	0.0032	44.2562	61.0908
0.9624	0.0211	133.8897	-173.1223	0.0038	44.8286	61.3419
0.9612	0.0217	144.3858	-172.7873	0.0039	45.3126	61.9231
0.959	0.0233	155.6077	-191.9372	0.0048	45.807	61.795
0.9562	0.0245	167.053	-208.798	0.0055	46.5408	62.194
0.9517	0.026	177.4375	-227.9479	0.0062	47.3162	62.5141
0.948	0.0273	191.3951	-245.2553	0.0068	47.9927	62.9573
0.9427	0.0294	202.8404	-267.5876	0.0082	48.8098	63.5434
0.937	0.0304	211.9407	-287.3515	0.0091	49.7049	63.9324

0.4006	0.0066	4.9915	1.6142	0.0046	19.3695	23.3298
0.7137	0.0091	35.0565	-50.3705	-0.0001	20.01	25.4147
0.6866	0.0146	37.0984	-51.0327	0.0001	22.7123	26.8282
0.6683	0.0168	36.4362	-51.9157	0.0001	23.4112	28.1481
0.6531	0.0176	36.4914	-53.5713	0.0001	24.0997	29.4482
0.6446	0.0173	37.5951	-54.399	0.0001	25.1403	30.6647
0.6411	0.0173	37.9262	-55.6131	0.0001	26.1549	31.7432
0.6391	0.0174	38.9195	-56.4961	0.0001	27.1023	32.807
0.6363	0.0177	39.3058	-57.7102	0.0003	27.9824	33.7477
0.6322	0.0181	39.5266	-59.2002	0.0004	28.8469	34.6243
0.6288	0.0185	40.1888	-59.0346	0.0007	29.6389	35.4271
0.6238	0.0192	40.244	-59.6417	0.0011	30.3844	36.2889
0.6192	0.0197	40.5751	-60.3039	0.0014	30.9953	37.0178
0.6151	0.0204	41.1821	-60.9109	0.0021	31.5751	37.7172
0.6137	0.0208	41.9547	-61.9594	0.0026	31.9375	38.4116
0.6152	0.0214	42.1203	-62.2906	0.0033	32.2015	38.9681
0.6216	0.0221	42.7825	-62.6769	0.0039	32.3206	39.5049
0.6309	0.0228	43.5551	-62.5665	0.0047	32.4448	39.9875
0.6424	0.0236	44.8796	-62.0698	0.0054	32.5794	40.4505
0.6561	0.0242	46.4799	-61.9594	0.0061	32.626	40.9479
0.671	0.0249	46.811	-62.7872	0.0066	32.6622	41.2483
0.6876	0.0254	49.4048	-62.732	0.0067	32.6571	41.5192
0.7061	0.0253	49.7359	-63.2839	0.0069	32.6467	41.8492
0.7263	0.024	48.7977	-64.1117	0.0068	32.4189	42.1594
0.7441	0.0242	49.0185	-64.0013	0.0068	32.4655	42.4746
0.7611	0.0243	49.0185	-64.7739	0.007	32.6415	42.7849
0.7767	0.0246	49.4048	-65.7121	0.0074	32.7399	43.1149
0.7905	0.0251	49.9014	-65.8776	0.0079	32.9159	43.4645

0.8033	0.0249	50.4533	-66.6502	0.0082	33.1333	43.8388
0.8158	0.0255	51.2811	-66.9813	0.0086	33.2938	44.218
0.8276	0.0258	51.2259	-68.1954	0.0091	33.4439	44.5283
0.8383	0.026	51.7226	-68.6369	0.0094	33.5578	44.9026
0.8475	0.0263	51.9985	-69.851	0.0099	33.6976	45.2473
0.8563	0.0263	52.6607	-70.8443	0.0101	33.8115	45.6167
0.8633	0.0271	53.2677	-71.6169	0.0104	34.0134	46.1043
0.8694	0.0275	53.4885	-72.555	0.011	34.1687	46.4638
0.8739	0.0283	54.2059	-73.0517	0.0118	34.3292	46.8775
0.8778	0.0293	54.4266	-73.2725	0.0125	34.5155	47.1139
0.8809	0.0303	54.7578	-73.6036	0.0133	34.7123	47.4439
0.8832	0.031	54.9233	-74.321	0.014	35.0073	47.8181
0.8863	0.0317	55.3096	-74.928	0.0146	35.3594	48.1629
0.8882	0.0324	55.8615	-75.5351	0.0152	35.701	48.6308
0.89	0.0328	56.3029	-76.0317	0.0155	36.0375	48.9804
0.8912	0.0335	57.0204	-76.6388	0.0161	36.3844	49.3399
0.8919	0.0339	57.0204	-77.8529	0.0163	36.7002	49.6798
0.8919	0.0345	57.517	-78.6806	0.0167	36.8917	49.926
0.8927	0.0347	57.9033	-79.5636	0.0168	37.2023	50.1821
0.893	0.0351	58.6759	-80.281	0.0171	37.5595	50.5564
0.8931	0.0353	59.3381	-81.164	0.0176	37.8805	50.9011
0.8926	0.0355	60.0555	-81.8262	0.0179	38.1186	51.172
0.8916	0.036	60.9937	-83.0403	0.0183	38.3878	51.5611
0.8906	0.0367	61.9319	-83.7577	0.0189	38.7502	51.8763
0.8896	0.0368	62.4285	-84.9718	0.0191	39.1126	52.2112
0.8873	0.0378	62.8148	-85.9099	0.0196	39.475	52.5658
0.8861	0.0384	63.2563	-86.4618	0.0201	39.8839	52.876
0.8845	0.0389	64.1393	-87.8966	0.0206	40.2618	53.2799
0.8819	0.0394	64.5256	-89.1659	0.021	40.619	53.7034
0.8795	0.0396	65.1878	-91.0974	0.0214	40.909	54.1023
0.8771	0.0403	66.8434	-92.3114	0.022	41.1108	54.3683
0.8746	0.0405	68.3885	-93.5807	0.0225	41.3697	54.782
0.872	0.0405	68.4989	-95.457	0.0234	41.6699	55.368
0.8686	0.0413	68.83	-97.4989	0.0242	42.1618	55.8162
0.8636	0.0421	69.4923	-100.3685	0.0252	42.695	56.3924
0.8586	0.0427	70.5408	-102.1896	0.0262	43.223	56.8504
0.8514	0.0442	71.6997	-104.4522	0.028	43.663	57.274
0.8446	0.0452	72.4723	-107.046	0.0295	44.0875	57.6581

0.8345	0.0475	73.9071	-109.3637	0.031	44.6052	58.0964
0.8245	0.0495	74.6797	-111.1849	0.0328	45.1281	58.3378
0.813	0.0514	74.2934	-113.3371	0.0347	45.682	58.7022
0.8	0.0536	74.7901	-115.8204	0.0363	46.2256	59.0026
0.7839	0.0564	75.3419	-118.4142	0.0394	46.7174	59.2045
0.7644	0.0588	75.5075	-122.3875	0.0426	46.9141	59.4212
0.3787	0.002	5.0412	0.0745	0.001	18.9595	25.2446
0.7603	0.0064	27.7169	-43.5275	-0.0002	19.9531	26.2421
0.7039	0.0135	32.6836	-50.4257	-0.0001	23.7529	28.3204
0.6849	0.0154	34.008	-51.3087	-0.0002	24.1722	30.1476
0.6696	0.0164	34.6151	-52.0813	0	24.7054	31.6842
0.6609	0.0163	35.0565	-52.5779	0	25.7045	32.9498
0.6596	0.0162	35.8291	-53.4057	-0.0002	26.8176	34.0875
0.6614	0.0164	36.7673	-53.8472	0	27.8581	35.1316
0.6645	0.0166	37.7606	-54.4542	0	28.8365	36.0525
0.6669	0.0166	38.6436	-55.6131	0.0001	29.7632	36.8996
0.6671	0.0168	39.4714	-56.6617	0.0003	30.576	37.6975
0.6659	0.017	40.5199	-57.3791	0.0003	31.3266	38.4313
0.6632	0.0173	41.2373	-58.3172	0.0006	31.9116	39.0518
0.6617	0.0177	41.5684	-59.145	0.0009	32.3516	39.6379
0.6631	0.0178	42.1203	-60.1383	0.0015	32.5276	40.1304
0.6669	0.0183	42.7273	-59.752	0.0019	32.7088	40.5933
0.6739	0.0189	43.7207	-59.9176	0.0025	32.89	41.0316
0.6816	0.0195	44.6588	-60.1935	0.003	33.123	41.5044
0.6917	0.0203	46.2592	-60.4143	0.0036	33.3559	42.0166
0.7045	0.0203	48.6874	-59.9176	0.0038	33.6924	42.583
0.7191	0.0196	48.577	-61.242	0.0038	33.8167	43.1592
0.7361	0.0192	48.7977	-61.8491	0.0036	33.9927	43.7255
0.7543	0.0187	48.9633	-62.5113	0.0035	34.1428	44.1934
0.7713	0.0185	49.4048	-63.7806	0.0037	34.2929	44.548
0.7877	0.0182	49.9566	-64.3876	0.0035	34.4017	44.8878
0.8035	0.0182	51.0051	-65.3258	0.0036	34.5207	45.2129
0.8175	0.0181	51.2259	-66.1535	0.0037	34.676	45.6266
0.8321	0.018	52.4951	-67.5332	0.0039	34.764	45.9812
0.8451	0.0182	53.2126	-68.4162	0.0042	34.821	46.3062
0.8567	0.0182	53.654	-69.6302	0.0044	34.8727	46.4983
0.8664	0.0184	54.3163	-70.9547	0.0045	34.909	46.646
0.8765	0.0188	54.8681	-71.341	0.0046	35.0073	46.8873

0.8856	0.0189	55.5303	-71.7825	0.0048	35.1575	47.1779
0.8915	0.0192	56.3581	-72.7206	0.0051	35.3283	47.5522
0.8985	0.0192	57.1859	-73.6588	0.0053	35.5302	47.8428
0.9047	0.0192	57.4618	-74.6521	0.0054	35.6907	48.153
0.91	0.0196	58.5655	-75.4247	0.0058	35.8874	48.4732
0.9151	0.02	59.1726	-77.301	0.0063	36.1255	48.8425
0.9197	0.0204	60.1659	-77.6321	0.0067	36.2653	49.1971
0.9234	0.0208	61.1593	-79.1221	0.0072	36.4931	49.4926
0.9256	0.0212	61.5456	-80.4466	0.0074	36.6639	49.7487
0.9277	0.0215	62.2078	-81.8814	0.0079	36.8348	50.0885
0.9288	0.0221	63.6426	-82.3781	0.0081	37.1972	50.4234
0.9297	0.0225	64.2496	-83.8681	0.0086	37.4922	50.6549
0.9307	0.0231	64.9671	-84.9166	0.009	37.6165	50.7583
0.9314	0.0236	65.9604	-85.4684	0.0095	38.0151	50.9356
0.9315	0.0242	66.1811	-86.0203	0.01	38.2532	51.2607
0.9304	0.0247	66.9537	-88.007	0.0103	38.7243	51.5365
0.9306	0.025	68.4437	-89.1659	0.0107	39.1592	52.0585
0.9301	0.0254	69.4923	-91.2629	0.011	39.6976	52.679
0.9289	0.0259	71.9756	-92.9737	0.0114	40.2308	53.3144
0.929	0.026	72.8586	-95.7329	0.0117	40.7847	53.8906
0.9281	0.0263	74.7901	-98.1059	0.0119	41.2351	54.3683
0.9272	0.0269	77.0527	-101.1411	0.0126	41.613	54.7967
0.9257	0.0272	79.0393	-104.397	0.013	41.9857	55.2055
0.9243	0.0276	81.1364	-108.3152	0.0133	42.374	55.7374
0.9216	0.028	84.0612	-111.7919	0.0136	42.8917	56.2348
0.9186	0.0287	86.8205	-115.7653	0.0141	43.2903	56.6584
0.9179	0.029	89.8005	-119.1868	0.0143	43.6113	57.1262
0.9166	0.0295	92.8357	-122.6634	0.0146	43.6268	57.4513
0.9139	0.03	96.0365	-127.4094	0.0149	43.9426	57.8797
0.9112	0.0304	100.0098	-133.4798	0.0151	44.5379	58.3427
0.9084	0.0312	105.9698	-142.1439	0.016	44.9469	58.8401
0.9055	0.032	109.3361	-147.8832	0.0166	45.1384	59.3326
0.9014	0.0331	113.3095	-155.1125	0.0179	45.4801	59.83
0.8973	0.0349	118.7177	-162.2866	0.0196	45.8632	60.1797
0.8921	0.0364	123.1877	-170.0125	0.021	46.1479	60.6722
0.886	0.0386	130.1411	-179.7803	0.023	46.6035	60.9775
0.8781	0.0407	136.6529	-188.3893	0.0252	46.9659	61.2238
0.8686	0.0437	142.7785	-199.8679	0.0274	47.5094	61.7556

0.8555	0.047	149.6215	-209.4701	0.0305	48.1565	62.3762
0.8412	0.0497	155.5264	-219.5139	0.0339	48.7674	62.8638
0.8232	0.053	161.6519	-230.5509	0.0373	49.5232	63.3316
0.7976	0.0567	163.2523	-283.8049	0.038	49.3938	63.2134

SR34464.It10; 20 July 2004; dirt inside case bottom; pass leak test; exhaust flow=1.006 target.

SR38261.It10; 06 Dec 2004; passed leak test; JPS personal unit; exhaust flow=1.002 target =+4 ml/min; terminated empty

SR41431.It10; 08 Feb 2005, pm; 46 db; failed leak test; QLT =
621 mi/min; small hole in hose; exhaust flow = .929 target =-
113 mil/min; terminated empty; JPS

SR42185.It10; 4 Feb 2005 am; 43 db; pass leak test; exhaust
flow = .961 target = -57 ml/min; terminated empty; JPS.

SR49791.It10; 20 Dec 2004; 111 db; severely stuck hose;
passed leak test; exhaust flow=0.988 target = -22 ml/min; WB
broken; terminated at 10% CO2

SR50243.It10; 22 Dec 2004 pm; 75 db; failed leak in 20 sec.;
QLT =40 ml/min; exhaust flow =.989 target =-24ml/min;
terminated @ 10% CO2; JPS

SR51951lt10; 14 Dec 2004 pm; passed leak test; exhaust
flow=1.003 target =+5 ml/min; terminated empty;JPS

SR53259.LT10; 24 Feb 2005 am; 33 db; passed leak test;
exhaust flow = target = ml/min; avg. ; terminated empty;
JPS

SR54263.It10; 32 db; pass leak test; terminated empty.

SR53739.It10; 27 Dec 2004; 54 db; dirt in lower case; stuck
hose; piece of metal fell from mouthpiece; pass leak test; no
starter O₂; exhaust flow =1.093 target = +167 ml/min;
terminated empty; BP=748 mm Hg

SR53754.It10; 09 Feb 2005, pm; 38 db; passed leak test;
exhaust flow = 1.007 target = + 10 mil/min; terminated empty;
JPS

SR53798.It10; 11 Feb 2005, am; 48 db; passed leak test;
exhaust flow = target = mil/min; terminated empty; JPS

SR54559.It10; 18 Jan 2005, am; 69 db; pass leak test;
insufficient starter O2; 1 man. start; exhaust flow= . target =
ml/min; terminated empty; JPS

SR54571.lt10; 07 Feb 2005, pm; 31 db; passed leak test; No
exhaust flow taken; ended arbitrarily; JPS

SR54672.LT10; 22 Feb 2005, am; 32 db; passed leak test;
exhaust flow = target = ml/min; avg. ; terminated empty;
JPS

SR55138.It10; 21 Dec 2004 pm; 64 db; passed leak test;
terminated empty; JPS

SR57046.LT10; 28 Feb 2005 am; 66 db; passed leak test;
exhaust flow = .989 target = -17 ml/min; avg. ; terminated
empty; JPS

SR57396.It10; 21 Jan 2005, am; 36 db; pass leak test; no
starter O2; exhaust flow= . target = ml/min; terminated
empty; JPS

SR57838.It10; 17 Feb 2005, am; 36 db; passed leak test; no
starter O2; exhaust flow = .992 target = - 11 ml/min; terminated
empty; JPS

SR58746.LT10; 4 MAR 2005 am; 34 db; passed leak test;
exhaust flow = target = ml/min; avg. ; low O2 ; JPS

SR59064.It10; 48 db; 6 Jan 2005, pm; passed leak test ;
exhaust flow=1.094 target =+139 ml/min; terminated empty;JPS

SR59109.It10; 03 Feb 2005, pm; 38 db; passed leak test ;
exhaust flow = .919 target = -128; terminated empty; JPS

SR59231.It10; 17 Feb 2005, pm; 34 db; failed leak test; QLT =
633 ml/min; small puncture in hose; exhaust flow = .984 target
= - 40 ml/min; 10% CO₂; JPS

SR59538.It10; 41 db; 23 August 2004; run with badly stuck hose; punctured hose; fail leak test <1s; QLT>630 ml/min; no starter O2; bag bottomed and had to refill; exhaust flow=.994 target =-19ml/min; terminated for low O2.

SR59860.LT10; 3 MAR 2005 pm; 41 db; passed leak test;
exhaust flow = target = ml/min; avg. ; terminated empty;
JPS

SR60548.It10; 25 January 2006; dented lid; top lid stuck;
bottom lid hammered; pass leak test; exhaust flow=.985 target
= -23 ml/min

SR64348.It10; 35 db; 23 September 2004; pass leak test;
exhaust flow=1.019 target =+28 ml/min; terminated empty.

SR64457.It10; 34 db; 1 September 2004; piece of metal fell from mouthpiece; pass leak test; exhaust flow=1.037 target =+53 ml/min; terminated empty.

SR64699.It19; 11 August 2004; 29 db; pass leak test; exhaust
flow=1.021 target =+30 ml/min; terminated empty.

SR64827.lt10; 37 db; 7 September 2004; piece of metal fell from mouthpiece; pass leak test; exhaust flow=1.016 target =+23 ml/min; terminated empty.

SR64871.lt10; 37 db; 3 September 2004; run with stuck hose; 3 pieces of metal fell from mouthpiece; pass leak test; exhaust flow=1.027 target =+37 ml/min; WB wick fell off thermocouple at min 51; terminated empty.

SR64931.It10; 32 db; 30 August 2004; pass leak test; exhaust
flow=1.008 target =+12 ml/min; terminated empty.

SR64950.It10; 28db; 3 September 2004; pass leak test; run with badly stuck hose; exhaust flow=1.030 target =+43 ml/min; WB dried out; terminated empty; metal piece fell from mouthpiece.

SR64978.It10; 34 db; 23 September 2004; two pieces of metal fell from mouthpiece; pass leak test; exhaust flow=.993 target =- 10 ml/min; terminated empty.

SR65451.It10; 20 July 2004; pass leak test; exhaust flow=1.022
target

SR65708.It10; 27 July 2004; pass leak test; exhaust flow=.961
target = -76 ml/min.

SR65714.It10; 28 July 2004; pass leak test; terminated empty;
exhaust flow=-.981 target = -27 ml/min

SR65775.It10; 2 August 2004; 37 db; pass leak test; exhaust
flow=1.015 target =+22 ml/min; terminated empty; edited out
WB drop-outs.

SR65829.It10; 2 August 2004; 46 db; piece of metal fell from mouthpiece; pass leak test; exhaust flow= 1.010 target =+15 ml/min; terminated empty.

SR65849.It10; 30 July 2004; 38 db; pass leak test; nearly no starter O2; exhaust flow=1.012 target =+17 ml/min; terminated empty.

SR65867.It10; 29 July 2004; 37 db; fail leak test in 21s;
QLT=30 ml/min; no starter O2; bag bottomed but passed;
terminated empty; exh flow=1.013 target = +19 ml/min; run with
stuck hose.

SR66201.It10; 34 db; 9 September 2004; 2 pieces of metal fell from mouthpiece; pass leak test; exhaust flow=.994 target =-9 ml/min; terminated empty.

SR66296.It10; 55 db; 8 September 2004; pass leak test; run with stuck hose; exhaust flow=1.015 target =+22ml/min; terminated empty.

SR66337.It10; 37 db; 31 August 2004; pass leak test; exhaust flow=1.030 target =+43 ml/min; terminated empty; had problems with chart recorder pressure; edited min 49-56 pressures.

SR66361.It10; 33 db; 20 August 2004; pass leak test; metal
piece fell from mouthpiece; exhaust flow=1.026 target
=+37ml/min; terminated empty.

SR66700.It10; 33 db; 6 August 2004; pass leak test; exhaust
flow=1.021 target =+31 ml/min; terminated empty.

SR66751.It10; 47db; 1 September 2004; pass leak test;
exhaust flow=1.002 target =+3 ml/min; terminated empty; slow
starter O2.

SR66769.It10; 30 July 2004; 35 db; pass leak test; starter O2
popped loudly; exhaust flow =1.004 target =+5 ml/min;
terminated empty.

SR66833.It10; 34 db; 7 September 2004; pass leak test;
exhaust flow=1.021 target =+30 ml/min; terminated empty.

66937.lt10; 26 db; 27 August 2004; pass leak test; exhaust
flow=1.016 target =+24ml/min; terminated empty.

SR67129.It10; 29 July 2004; 4 metal pieces fell from mouthpiece; pass leak test; exhaust flow=1.012 target = +18 ml/min; terminated empty.

SR67217.It10; 38 db; 27 August 2004; piece of metal fell from mouthpiece; pass leak test; exhaust flow=1.012 target =+17 ml/min; WB wick off bulb; terminated empty.

SR67434.It10; 40 db; two pieces of metal found in mouthpiece;
pass leak test; WB dried out; edited 32-43 min; exhaust
flow=1.038 target +54 ml/min; terminated empty.

SR67547.It10; 25 db; 31 August 2004; pass leak test; exhaust flow=1.017 target =+24 ml/min; terminated empty; adjusted WB minute 11.

SR67572.lt10; 12 December 2005; pass leak test; 38 db; first test using refurbished gas dryer + nafion; terminated empty; jps.

SR67620.lt10; 35db; 30 August 2004; pass leak test;
insufficient starter O₂; bag bottomed; had to refill; exhaust
flow=1.016 target =+23 ml/min; terminated empty.

SR67678.It10; 28 db; 26 August 2004; 2 metal pieces fell from mouthpiece; pass leak test; delayed (slow) starter O2; exhaust flow=1.033 target =+47 ml/min; terminated empty.

SR68003.It10; 17 August 2004; second part of test after computer froze at min 12; pass leak test; 26 db; exhaust flow=1.009 target; +13 ml/min; terminated empty.

SR68802.LT10; 8 MAR 2005 pm; 86 db; passed leak test;
exhaust flow = 1.009 target = +15 ml/min; terminated empty;
JPS

SR69120.It10; 21 December 2005 am; bottom lid very hard to remove; had to use screwdriver; passed leak test; no starter O2; terminated empty; jps

SR69557.It10; 02 Feb 2005, am; 57 db; passed leak test ;
insufficient starter O2; exhaust flow =1.001 target = 7 ml/min;
terminated empty; JPS

SR73391.It10; 19 December 2005 am; passed leak test;
terminated empty; jps

SR76194.It10; 26 Jan 2005, am; 52 db; failed leak test 7 sec;
QLT=137 ml/min; low starter O2; exhaust flow =.963 target =-
69 ml/min; terminated empty; JPS

SR77187.It10; 17 Dec 2004; passed leak test; exhaust
flow=1.008 target =+11 ml/min; terminated empty

SR80883.It10; 19 December 2005; pass leak test; terminated
empty; jps

SR81381.It10; 03 Feb 2005, am; 57 db; passed leak test
;insufficient starter O2; 10%O2 ; JPS

SR81496.It10; 09 Feb 2005, am; 109 db; passed leak test;
exhaust flow = .968 target =-75 mil/min; 10% CO2; JPS

SR82355.It10; 14 Jan 2005, am; 81 db; pass leak test; exhaust
flow= .972 target = -54 ml/min; terminated for 10% CO2

SR84446.It10; 29 db; 13 September 2004; pass leak test;
exhaust flow=0.998 target =-2 ml/min; terminated empty.

SR84654.It10; 31 db; pass leak test; exhaust flow=1.003 target
=+4 ml/min; terminated empty.

SR86232.It10; 3 August 2004; 32 db; pass leak test; exhaust
flow=1.001 target =+2 ml/min; terminated empty.

SR86362.It10; 32 db; 13 August 2004; fail leak test in 58s;
QLT=15ml/min; exhaust flow=1.004 target =+4 ml/min;
terminated empty.

SR90491.It10; 14 Feb 2005, am; 92 db; passed leak test;
exhaust flow = .979 target = - 49 mil/min; terminated empty;
JPS

SR91614.It10; 15 December 2005; passed leak test; terminated
empty; jps

SR91812.It10; 14 December 2005; cracked moisture indicator;
pass leak test; terminated empty; jps.

SR92329.It10; 28 db; 20 August 2004; pass leak test; exhaust
flow=1.010 target =+14 ml/min; terminated empty.

SR92351.It10; 29 db; 27 September 2004; fail leak test<1s;
QLT>633 ml/min; hose punctured; exhaust flow=1.013 target
=+23 ml/min; terminated empty.

SR92620.It10; 10 August 2004; 36 db; pass leak test; exhaust
flow=1.001 target =+2 ml/min; terminated empty.

SR92734.It10; 19 Jan 2005, pm; 27 db; pass leak test; exhaust
flow= .955 target =-66 ml/min; terminated empty; JPS

SR92988.It10; 18 db; 16 August 2004; pass leak test; exhaust
flow=1.034 target =+48 ml/min; terminated empty.

SR96917.It10; 23 Dec 2004; 71 db; top lid severely stuck; pass
leak test; exhaust flow =.995 target = -7 ml/min; terminated
empty