

103	0.000103	0.000281	0.002732	0.003869	0.000043	0.000000	0.00000000	0.00000000	428	0.001364948	0.00487854	3.0797424871	0.3571957783	1725.41
104	0.000105	0.000286	0.002783	0.003917	0.000043	0.000000	0.00000000	0.00000000	429	0.001371171	0.00486262	3.0358960528	0.3568071918	1734.14
105	0.000106	0.000289	0.002809	0.003946	0.000043	0.000000	0.00000000	0.00000000	430	0.001377098	0.00487719	2.9805755004	0.3561426106	1744.05
106	0.000107	0.000292	0.002834	0.003969	0.000043	0.000000	0.00000000	0.00000000	431	0.001382862	0.00502762	2.9440451006	0.3556359766	1753.32
107	0.000108	0.000295	0.002859	0.003992	0.000043	0.000000	0.00000000	0.00000000	432	0.001388635	0.00507761	2.88810496614	0.3550702710	1762.67
108	0.000109	0.000298	0.002880	0.004023	0.000043	0.000000	0.00000000	0.00000000	433	0.001393806	0.00512713	2.8469828215	0.3545069460	1771.78
109	0.000110	0.000301	0.002906	0.004051	0.000043	0.000000	0.00000000	0.00000000	434	0.001398974	0.00517637	2.7964282038	0.3539411425	1780.96
110	0.000111	0.000304	0.002931	0.004079	0.000043	0.000000	0.00000000	0.00000000	435	0.001404038	0.00522520	2.7460381854	0.35337816237	1790.11
111	0.000111	0.000303	0.002937	0.004086	0.000043	0.000000	0.00000000	0.00000000	436	0.001409686	0.00527361	2.6911846667	0.3528136119	1799.22
112	0.000112	0.000305	0.002963	0.004114	0.000043	0.000000	0.00000000	0.00000000	437	0.001415326	0.00532169	2.6365496447	0.3522498130	1808.35
113	0.000113	0.000308	0.002989	0.004141	0.000043	0.000000	0.00000000	0.00000000	438	0.001421178	0.00536912	2.5830309067	0.3517052867	1817.34
114	0.000114	0.000311	0.003014	0.004168	0.000042	0.000000	0.00000000	0.00000000	439	0.001427118	0.00541617	2.5327118963	0.3511693839	1826.35
115	0.000115	0.000313	0.003040	0.004195	0.000042	0.000000	0.00000000	0.00000000	440	0.001433058	0.00546372	2.4831774455	0.3506317445	1835.31
116	0.000116	0.000316	0.003065	0.004221	0.000042	0.000000	0.00000000	0.00000000	441	0.001439344	0.00551077	2.4340150374	0.350094182	1844.24
117	0.000117	0.000319	0.003091	0.004247	0.000042	0.000000	0.00000000	0.00000000	442	0.001445280	0.00555896	2.3841381431	0.3495564275	1853.12
118	0.000118	0.000322	0.003116	0.004273	0.000042	0.000000	0.00000000	0.00000000	443	0.001451361	0.00560625	2.33477810585	0.3490186776	1861.96
119	0.000119	0.000324	0.003142	0.004299	0.000042	0.000000	0.00000000	0.00000000	444	0.001457429	0.00565435	2.2852132325	0.3484814568	1870.76
120	0.000120	0.000327	0.003167	0.004324	0.000042	0.000000	0.00000000	0.00000000	445	0.001463491	0.00570245	2.235867145	0.3479411233	1879.52
121	0.000121	0.000330	0.003193	0.004349	0.000042	0.000000	0.00000000	0.00000000	446	0.001469552	0.00575055	2.0778416542	0.3469661021	1888.23
122	0.000122	0.000332	0.003218	0.004374	0.000041	0.000000	0.00000000	0.00000000	447	0.001475611	0.00579822	2.008110357	0.3460370251	1896.98
123	0.000123	0.000335	0.003244	0.004399	0.000041	0.000000	0.00000000	0.00000000	448	0.001481672	0.00584594	1.9380779531	0.34512639124	1905.51
124	0.000124	0.000338	0.003269	0.004423	0.000041	0.000000	0.00000000	0.00000000	449	0.001487733	0.00589366	1.8683584796	0.34423566121	1914.07
125	0.000125	0.000341	0.003294	0.004447	0.000041	0.000000	0.00000000	0.00000000	450	0.001493794	0.00594138	1.7982067031	0.34336477763	1922.59
126	0.000126	0.000343	0.003320	0.004471	0.000041	0.000000	0.00000000	0.00000000	451	0.001499855	0.00598909	1.733447161	0.34249389272	1931.06
127	0.000127	0.000346	0.003345	0.004495	0.000041	0.000000	0.00000000	0.00000000	452	0.001505916	0.00603681	1.6632526510	0.3416230533	1939.47
128	0.000128	0.000349	0.003370	0.004519	0.000040	0.000000	0.00000000	0.00000000	453	0.001511977	0.00608452	1.5930536555	0.3407521692	1947.83
129	0.000129	0.000352	0.003395	0.004541	0.000040	0.000000	0.00000000	0.00000000	454	0.001518038	0.00613224	1.5228546593	0.3398812851	1956.14
130	0.000130	0.000354	0.003421	0.004564	0.000040	0.000000	0.00000000	0.00000000	455	0.001524099	0.00618006	1.4526556449	0.3390104011	1964.39
131	0.000131	0.000357	0.003446	0.004587	0.000040	0.000000	0.00000000	0.00000000	456	0.001530160	0.00622787	1.3824566412	0.3381395171	1972.68
132	0.000132	0.000360	0.003471	0.004609	0.000039	0.000000	0.00000000	0.00000000	457	0.001536221	0.00627569	1.3122576452	0.3372686331	1980.92
133	0.000133	0.000362	0.003496	0.004631	0.000039	0.000000	0.00000000	0.00000000	458	0.001542282	0.00632351	1.2420586401	0.3363977491	1989.19
134	0.000134	0.000365	0.003521	0.004653	0.000039	0.000000	0.00000000	0.00000000	459	0.001548343	0.00637132	1.1718596351	0.3355268651	1997.41
135	0.000135	0.000368	0.003546	0.004674	0.000039	0.000000	0.00000000	0.00000000	460	0.001554404	0.00641914	1.1016606301	0.3346559811	2005.63
136	0.000136	0.000371	0.003571	0.004697	0.000039	0.000000	0.00000000	0.00000000	461	0.001560465	0.00646696	1.0314616251	0.3337850971	2013.85
137	0.000137	0.000373	0.003596	0.004717	0.000038	0.000000	0.00000000	0.00000000	462	0.001566526	0.00651478	0.9612626201	0.3329142131	2022.08
138	0.000138	0.000376	0.003621	0.004737	0.000038	0.000000	0.00000000	0.00000000	463	0.001572587	0.00656259	0.8910636151	0.3320433291	2030.29
139	0.000139	0.000379	0.003646	0.004757	0.000038	0.000000	0.00000000	0.00000000	464	0.001578648	0.00661041	0.8208646101	0.3311724451	2038.50
140	0.000140	0.000381	0.003671	0.004778	0.000037	0.000000	0.00000000	0.00000000	465	0.001584709	0.00665823	0.7506656051	0.3303015611	2046.71
141	0.000141	0.000384	0.003696	0.004797	0.000037	0.000000	0.00000000	0.00000000	466	0.001590770	0.00670605	0.6804666001	0.3294306771	2054.92
142	0.000142	0.000387	0.003721	0.004817	0.000036	0.000000	0.00000000	0.00000000	467	0.001596831	0.00675387	0.6102675951	0.3285597931	2063.13
143	0.000143	0.000390	0.003746	0.004836	0.000036	0.000000	0.00000000	0.00000000	468	0.001602892	0.00680169	0.5400685901	0.3276889091	2071.34
144	0.000144	0.000392	0.003771	0.004855	0.000036	0.000000	0.00000000	0.00000000	469	0.001608953	0.00684951	0.4698695851	0.3268180251	2079.55
145	0.000145	0.000395	0.003796	0.004874	0.000035	0.000000	0.00000000	0.00000000	470	0.001615014	0.00689732	0.4000705801	0.3259471411	2087.76
146	0.000146	0.000398	0.003820	0.004893	0.000035	0.000000	0.00000000	0.00000000	471	0.001621075	0.00694514	0.3302715751	0.3250762571	2095.97
147	0.000147	0.000401	0.003845	0.004912	0.000035	0.000000	0.00000000	0.00000000	472	0.001627136	0.00699296	0.2604725691	0.3242053731	2104.18
148	0.000148	0.000403	0.003870	0.004939	0.000034	0.000000	0.00000000	0.00000000	473	0.001633197	0.00704078	0.1906735631	0.3233344891	2112.39
149	0.000149	0.000406	0.003894	0.004964	0.000034	0.000000	0.00000000	0.00000000	474	0.001639258	0.00708860	0.1208745571	0.3224636051	2120.60
150	0.000150	0.000409	0.003919	0.004983	0.000033	0.000000	0.00000000	0.00000000	475	0.001645319	0.00713642	0.0510755511	0.3215927211	2128.81
151	0.000151	0.000411	0.003944	0.004980	0.000033	0.000000	0.00000000	0.00000000	476	0.001651380	0.00718424	0.000000000	0.3207218371	2137.02
152	0.000152	0.000414	0.003968	0.005009	0.000033	0.000000	0.00000000	0.00000000	477	0.001657441	0.00723206	0.000000000	0.3198509531	2145.23
153	0.000153	0.000417	0.003993	0.005033	0.000033	0.000000	0.00000000	0.00000000	478	0.001663502	0.00727988	0.000000000	0.3189800691	2153.44
154	0.000154	0.000420	0.004018	0.005030	0.000032	0.000000	0.00000000	0.00000000	479	0.001669563	0.00732770	0.000000000	0.3181091851	2161.65
155	0.000155	0.000422	0.004042	0.005031	0.000032	0.000000	0.00000000	0.00000000	480	0.001675624	0.00737552	0.000000000	0.3172383011	2169.86
156	0.000156	0.000425	0.004067	0.005031	0.000031	0.000000	0.00000000	0.00000000	481	0.001681685	0.00742334	0.000000000	0.3163674171	2178.07
157	0.000157	0.000428	0.004091	0.005030	0.000031	0.000000	0.00000000	0.00000000	482	0.001687746	0.00747116	0.000000000	0.3154965331	2186.28
158	0.000158	0.000430	0.004115	0.005031	0.000030	0.000000	0.00000000	0.00000000	483	0.001693807	0.00751898	0.000000000	0.3146256491	2194.49
159	0.000159	0.000433	0.004140	0.005030	0.000030	0.000000	0.00000000	0.00000000	484	0.001699868	0.00756680	0.000000000	0.3137547651	2202.70
160	0.000160	0.000436	0.004164	0.005029	0.000030	0.000000	0.00000000	0.00000000	485	0.001705929	0.00761462	0.000000000	0.3128838811	2210.91
161	0.000161	0.000439	0.004188	0.005034	0.000029	0.000000	0.00000000	0.00000000	486	0.001711990	0.00766244	0.000000000	0.3120129971	2219.12
162	0.000162	0.000441	0.004213	0.005034	0.000029	0.000000	0.00000000	0.00000000	487	0.001718051	0.00771026	0.000000000	0.3111421131	2227.33
1														

238	0.000238	0.000648	0.005955	0.005278	-0.000018	0.000000	0.00000000	0.00000000	563	-0.00001814	-0.00000338	-20.0300116140	0.7056027291	2287.88
239	0.000239	0.000650	0.005976	0.005280	-0.000018	0.000000	0.00000000	0.00000000	564	-0.00001815	-0.00000338	-20.0300116140	0.7056027291	2287.88
240	0.000240	0.000653	0.005998	0.005287	-0.000019	0.000000	0.00000000	0.00000000	565	-0.00001803	-0.00000418	-20.0594366333	0.713020885	2279.28
241	0.000241	0.000656	0.006019	0.005246	-0.000019	0.000000	0.00000000	0.00000000	566	-0.000008074	-0.000070029	-30.9763586822	0.714864846	2274.74
242	0.000242	0.000659	0.006040	0.005254	-0.000020	0.000000	0.00000000	0.00000000	567	-0.00012733	-0.00000000	-21.2446091280	0.7167685733	2270.74
243	0.000243	0.000661	0.006061	0.005223	-0.000021	0.000000	0.00000000	0.00000000	568	-0.000156913	-0.000112802	-21.8146165219	0.7196232149	2265.17
244	0.000244	0.000664	0.006082	0.005211	-0.000021	0.000000	0.00000000	0.00000000	569	-0.000166730	-0.000134867	-21.3507398684	0.7222525700	2260.15
245	0.000245	0.000667	0.006104	0.005198	-0.000022	0.000000	0.00000000	0.00000000	570	-0.000216611	-0.000217184	-22.25486710254	0.7248627983	2254.57
246	0.000246	0.000669	0.006125	0.005186	-0.000022	0.000000	0.00000000	0.00000000	571	-0.000247155	-0.000179856	-22.56102106212	0.7277059196	2249.62
247	0.000247	0.000672	0.006146	0.005173	-0.000023	0.000000	0.00000000	0.00000000	572	-0.000277173	-0.000200384	-22.730441131	0.730441131	2244.11
248	0.000248	0.000675	0.006167	0.005160	-0.000023	0.000000	0.00000000	0.00000000	573	-0.000296381	-0.000226269	-23.233366619	0.7331375180	2238.44
249	0.000249	0.000678	0.006188	0.005146	-0.000024	0.000000	0.00000000	0.00000000	574	-0.000339761	-0.000250012	-23.560732573	0.7358458731	2232.61
250	0.000250	0.000680	0.006209	0.005133	-0.000024	0.000000	0.00000000	0.00000000	575	-0.000377114	-0.000274113	-23.8892363381	0.7385484169	2226.87
251	0.000251	0.000683	0.006229	0.005119	-0.000025	0.000000	0.00000000	0.00000000	576	-0.000420801	-0.000298575	-24.2188630635	0.7412487871	2220.46
252	0.000252	0.000686	0.006250	0.005104	-0.000025	0.000000	0.00000000	0.00000000	577	-0.000464748	-0.000323043	-24.549645007	0.7439392328	2214.14
253	0.000253	0.000688	0.006271	0.005090	-0.000026	0.000000	0.00000000	0.00000000	578	-0.000466674	-0.000348000	-24.8810716692	0.746707455	2207.65
254	0.000254	0.000691	0.006291	0.005075	-0.000026	0.000000	0.00000000	0.00000000	579	-0.000499206	-0.000371236	-25.2130277757	0.7493003431	2201.00
255	0.000255	0.000694	0.006312	0.005059	-0.000027	0.000000	0.00000000	0.00000000	580	-0.000519174	-0.000393034	-25.5486623265	0.7519036214	2194.19
256	0.000256	0.000697	0.006333	0.005044	-0.000027	0.000000	0.00000000	0.00000000	581	-0.000546007	-0.000426307	-25.8810455332	0.7546493762	2187.22
257	0.000257	0.000699	0.006353	0.005028	-0.000028	0.000000	0.00000000	0.00000000	582	-0.000589003	-0.000452943	-26.216020184	0.7573115040	2180.08
258	0.000258	0.000702	0.006374	0.005012	-0.000028	0.000000	0.00000000	0.00000000	583	-0.000615533	-0.000479844	-26.551688113	0.7599671225	2172.78
259	0.000259	0.000705	0.006394	0.004995	-0.000029	0.000000	0.00000000	0.00000000	584	-0.000652225	-0.000507311	-26.8880275950	0.7626160686	2165.31
260	0.000260	0.000707	0.006415	0.004979	-0.000029	0.000000	0.00000000	0.00000000	585	-0.000699167	-0.000530543	-27.224910427	0.7652817795	2157.87
261	0.000261	0.000710	0.006435	0.004962	-0.000030	0.000000	0.00000000	0.00000000	586	-0.000733509	-0.000563142	-27.5629165255	0.7679332923	2149.89
262	0.000262	0.000713	0.006455	0.004944	-0.000030	0.000000	0.00000000	0.00000000	587	-0.000767801	-0.000591607	-27.9005016099	0.7705212440	2141.93
263	0.000263	0.000715	0.006476	0.004927	-0.000031	0.000000	0.00000000	0.00000000	588	-0.000802439	-0.000620439	-28.2392355558	0.7731418715	2133.81
264	0.000264	0.000718	0.006496	0.004909	-0.000031	0.000000	0.00000000	0.00000000	589	-0.000837426	-0.000649337	-28.5779168556	0.7757505118	2125.52
265	0.000265	0.000721	0.006516	0.004891	-0.000032	0.000000	0.00000000	0.00000000	590	-0.000872607	-0.000678203	-28.9171373224	0.7783002020	2117.07
266	0.000266	0.000724	0.006536	0.004872	-0.000032	0.000000	0.00000000	0.00000000	591	-0.000908333	-0.000707136	-29.2566384659	0.7808561792	2108.46
267	0.000267	0.000726	0.006556	0.004854	-0.000032	0.000000	0.00000000	0.00000000	592	-0.000943703	-0.000736436	-29.5963632200	0.7834578804	2099.68
268	0.000268	0.000729	0.006576	0.004835	-0.000033	0.000000	0.00000000	0.00000000	593	-0.000979615	-0.000767034	-29.9362512629	0.7861294429	2090.73
269	0.000269	0.000732	0.006596	0.004815	-0.000033	0.000000	0.00000000	0.00000000	594	-0.0010157167	-0.000801138	-30.2762341781	0.7888702709	2081.63
270	0.000270	0.000734	0.006616	0.004796	-0.000034	0.000000	0.00000000	0.00000000	595	-0.0010516210	-0.000832540	-30.6162783348	0.7916701037	2072.36
271	0.000271	0.000737	0.006636	0.004776	-0.000034	0.000000	0.00000000	0.00000000	596	-0.0010874176	-0.000864328	-30.9562952638	0.7944823715	2063.13
272	0.000272	0.000740	0.006656	0.004756	-0.000034	0.000000	0.00000000	0.00000000	597	-0.001123660	-0.000896443	-31.2962323507	0.7963710334	2053.37
273	0.000273	0.000743	0.006675	0.004735	-0.000035	0.000000	0.00000000	0.00000000	598	-0.001160275	-0.000928944	-31.6390276196	0.7982909431	2043.23
274	0.000274	0.000745	0.006695	0.004715	-0.000035	0.000000	0.00000000	0.00000000	599	-0.0011971611	-0.000961811	-31.9796168425	0.8002413825	2033.39
275	0.000275	0.000748	0.006715	0.004694	-0.000036	0.000000	0.00000000	0.00000000	600	-0.0012347709	-0.000995043	-32.3140364807	0.8021958462	2023.56
276	0.000276	0.000751	0.006734	0.004672	-0.000036	0.000000	0.00000000	0.00000000	601	-0.001272486	-0.001027840	-32.6538223436	0.8041692236	2013.32
277	0.000277	0.000753	0.006754	0.004651	-0.000036	0.000000	0.00000000	0.00000000	602	-0.0013113223	-0.001062601	-32.9925084066	0.8061070462	2002.91
278	0.000278	0.000756	0.006774	0.004629	-0.000037	0.000000	0.00000000	0.00000000	603	-0.001351790	-0.001096326	-33.3306301291	0.8081167146	1992.34
279	0.000279	0.000759	0.006793	0.004607	-0.000037	0.000000	0.00000000	0.00000000	604	-0.001393023	-0.001130000	-33.6687208696	0.8101943487	1981.84
280	0.000280	0.000762	0.006812	0.004585	-0.000037	0.000000	0.00000000	0.00000000	605	-0.001435008	-0.001166663	-34.0052132814	0.8124434036	1970.71
281	0.000281	0.000764	0.006832	0.004562	-0.000038	0.000000	0.00000000	0.00000000	606	-0.001476757	-0.001202073	-34.3426405778	0.8147631193	1959.45
282	0.000282	0.000767	0.006851	0.004540	-0.000038	0.000000	0.00000000	0.00000000	607	-0.001519213	-0.001237875	-34.6797736181	0.8171542581	1948.44
283	0.000283	0.000770	0.006870	0.004518	-0.000038	0.000000	0.00000000	0.00000000	608	-0.001564525	-0.001273975	-35.0171927028	0.8196275910	1937.06
284	0.000284	0.000772	0.006890	0.004495	-0.000039	0.000000	0.00000000	0.00000000	609	-0.0016098142	-0.001309842	-35.3549437951	0.8221952308	1925.38
285	0.000285	0.000775	0.006909	0.004473	-0.000039	0.000000	0.00000000	0.00000000	610	-0.001652979	-0.001347309	-35.6788352023	0.8248713746	1913.83
286	0.000286	0.000778	0.006928	0.004445	-0.000039	0.000000	0.00000000	0.00000000	611	-0.001696035	-0.001384510	-36.0108623236	0.8276132243	1901.97
287	0.000287	0.000780	0.006947	0.004423	-0.000040	0.000000	0.00000000	0.00000000	612	-0.001739307	-0.001422056	-36.3416338896	0.8304174622	1890.85
288	0.000288	0.000783	0.006966	0.004396	-0.000040	0.000000	0.00000000	0.00000000	613	-0.001782796	-0.001459976	-36.6714343657	0.8332082511	1879.79
289	0.000289	0.000786	0.006985	0.004372	-0.000040	0.000000	0.00000000	0.00000000	614	-0.001787478	-0.001498228	-36.9999264111	0.8361757342	1868.46
290	0.000290	0.000789	0.007004	0.004347	-0.000040	0.000000	0.00000000	0.00000000	615	-0.001834134	-0.001536850	-37.3277791184	0.8392374551	1856.28
291	0.000291	0.000791	0.007023	0.004322	-0.000040	0.000000	0.00000000	0.00000000	616	-0.00186939	-0.001575811	-37.6530358471	0.8423875982	1844.33
292	0.000292	0.000794	0.007041	0.004294	-0.000041	0.000000	0.00000000	0.00000000	617	-0.0019108174	-0.001614718	-37.9774656516	0.8455252882	1832.57
293	0.000293	0.000797	0.007060	0.004270	-0.000041	0.000000	0.00000000	0.00000000	618	-0.001952418	-0.001654774	-38.3003665016	0.8487510095	1814.58
294	0.000294	0.000799	0.007079	0.004244	-0.000041	0.000000	0.00000000	0.00000000	619	-0.001994167	-0.001694772	-38.6216282624	0.8499464109	1801.47
295	0.000295	0.000802	0.007098	0.004218	-0.000042	0.000000	0.00000000	0.00000000	620	-0.002036121	-0.001735113	-38.9413629438	0.8516628960	1788.27
296	0.000296	0.000805	0.007116	0.004192	-0.000042	0.000000	0.00000000	0.00000000	621	-0.002078237	-0.001775794	-39.2590412766	0.8534541929	1774.79
297	0.000297	0.000808	0.007135	0.004165	-0.000042	0.000000	0.00000000	0.00000000	622	-0.002120637	-0.001816813</			

373	0.000373	0.001013	0.008378	0.001566	-0.000027	0.000000	0.00000000	0.00000000	698	-0.00578253	-0.005679387	-52.907994421	0.982210087	397.48
374	0.000374	0.001015	0.008382	0.001567	-0.000028	0.000000	0.00000000	0.00000000	699	-0.00578430	-0.005679524	-52.891994426	0.982129852	395.41
375	0.000375	0.001018	0.008406	0.001570	-0.000026	0.000000	0.00000000	0.00000000	700	-0.00588918	-0.005791862	-52.849573548	0.984020180	313.30
376	0.000376	0.001021	0.008420	0.001436	-0.000000	0.000000	0.00000000	0.00000000	701	-0.00593776	-0.005840806	-52.808955669	0.984892587	291.14
377	0.000377	0.001023	0.008434	0.001475	-0.000025	0.000000	0.00000000	0.00000000	702	-0.00598902	-0.005943419	-52.765942685	0.985745696	268.32
378	0.000378	0.001026	0.008448	0.001385	-0.000025	0.000000	0.00000000	0.00000000	703	-0.006041632	-0.005956026	-52.714450681	0.986754711	246.66
379	0.000379	0.001029	0.008462	0.001315	-0.000024	0.000000	0.00000000	0.00000000	704	-0.006093984	-0.005976170	-52.66598839	0.987784414	224.36
380	0.000380	0.001031	0.008475	0.001275	-0.000024	0.000000	0.00000000	0.00000000	705	-0.006145056	-0.005977886	-52.622279723	0.988717694	202.01
381	0.000381	0.001034	0.008489	0.001234	-0.000023	0.000000	0.00000000	0.00000000	706	-0.006197444	-0.005972896	-52.574772063	0.989679741	179.62
382	0.000382	0.001037	0.008503	0.001193	-0.000023	0.000000	0.00000000	0.00000000	707	-0.006249447	-0.005968156	-52.444573112	0.990623780	157.13
383	0.000383	0.001039	0.008516	0.001153	-0.000022	0.000000	0.00000000	0.00000000	708	-0.006301561	-0.005963409	-52.361034896	0.991605216	134.72
384	0.000384	0.001042	0.008530	0.001112	-0.000022	0.000000	0.00000000	0.00000000	709	-0.006353684	-0.005958708	-52.271056478	0.991105481	112.22
385	0.000385	0.001045	0.008543	0.001071	-0.000021	0.000000	0.00000000	0.00000000	710	-0.006405814	-0.005953999	-52.174347818	0.991769578	89.88
386	0.000386	0.001047	0.008556	0.001031	-0.000021	0.000000	0.00000000	0.00000000	711	-0.006457948	-0.005949353	-52.071776024	0.992434384	67.11
387	0.000387	0.001050	0.008569	0.000990	-0.000020	0.000000	0.00000000	0.00000000	712	-0.006509934	-0.005944636	-51.962445696	0.993109730	44.51
388	0.000388	0.001053	0.008583	0.000949	-0.000019	0.000000	0.00000000	0.00000000	713	-0.006561917	-0.005939931	-51.846697400	0.993786430	21.88
389	0.000389	0.001056	0.008596	0.000908	-0.000019	0.000000	0.00000000	0.00000000	714	-0.006613747	-0.005935282	-51.724497905	0.994463940	-0.78
390	0.000390	0.001058	0.008609	0.000867	-0.000018	0.000000	0.00000000	0.00000000	715	-0.006665710	-0.005930633	-51.602847191	0.995146713	-23.46
391	0.000391	0.001061	0.008622	0.000825	-0.000018	0.000000	0.00000000	0.00000000	716	-0.006717784	-0.005925927	-51.460793737	0.995830672	-46.17
392	0.000392	0.001064	0.008635	0.000784	-0.000017	0.000000	0.00000000	0.00000000	717	-0.006769796	-0.005921228	-51.319325199	0.996513788	-68.89
393	0.000393	0.001066	0.008648	0.000743	-0.000016	0.000000	0.00000000	0.00000000	718	-0.006821773	-0.005916541	-51.171387839	0.997196930	-91.64
394	0.000394	0.001069	0.008660	0.000702	-0.000016	0.000000	0.00000000	0.00000000	719	-0.006873744	-0.005911839	-51.017088247	0.997879547	-114.40
395	0.000395	0.001072	0.008673	0.000660	-0.000015	0.000000	0.00000000	0.00000000	720	-0.006925694	-0.005907176	-50.855398842	0.998562100	-137.19
396	0.000396	0.001074	0.008686	0.000619	-0.000015	0.000000	0.00000000	0.00000000	721	-0.006977623	-0.005902435	-50.693122058	0.999244656	-159.87
397	0.000397	0.001077	0.008698	0.000578	-0.000014	0.000000	0.00000000	0.00000000	722	-0.007029526	-0.007017161	-50.531587483	0.999924100	-182.78
398	0.000398	0.001080	0.008711	0.000536	-0.000013	0.000000	0.00000000	0.00000000	723	-0.007081401	-0.007017147	-50.370040325	0.999603718	-205.59
399	0.000399	0.001082	0.008723	0.000495	-0.000013	0.000000	0.00000000	0.00000000	724	-0.007133246	-0.007126188	-50.208983527	0.999283922	-228.42
400	0.000400	0.001085	0.008736	0.000453	-0.000012	0.000000	0.00000000	0.00000000	725	-0.007185058	-0.00718476	-49.957578625	0.998963822	-251.24
401	0.000401	0.001088	0.008748	0.000412	-0.000012	0.000000	0.00000000	0.00000000	726	-0.007246870	-0.00724607	-49.786886645	0.998643950	-274.08
402	0.000402	0.001090	0.008760	0.000370	-0.000011	0.000000	0.00000000	0.00000000	727	-0.007288873	-0.007288873	-49.615929559	0.998324000	-296.91
403	0.000403	0.001093	0.008773	0.000329	-0.000010	0.000000	0.00000000	0.00000000	728	-0.007340270	-0.007340270	-49.443192559	0.998003950	-318.87
404	0.000404	0.001096	0.008785	0.000287	-0.000010	0.000000	0.00000000	0.00000000	729	-0.007391923	-0.007391923	-49.269073850	0.997683252	-340.82
405	0.000405	0.001099	0.008797	0.000246	-0.000009	0.000000	0.00000000	0.00000000	730	-0.007443300	-0.007443105	-49.094115518	0.997362400	-362.77
406	0.000406	0.001101	0.008809	0.000205	-0.000009	0.000000	0.00000000	0.00000000	731	-0.007494680	-0.007494481	-48.920525711	0.997041600	-384.72
407	0.000407	0.001104	0.008821	0.000162	-0.000008	0.000000	0.00000000	0.00000000	732	-0.007546056	-0.007533321	-48.750818124	0.996720300	-406.66
408	0.000408	0.001107	0.008833	0.000121	-0.000007	0.000000	0.00000000	0.00000000	733	-0.007597437	-0.007581510	-48.582633385	0.996399300	-428.59
409	0.000409	0.001109	0.008845	0.000080	-0.000007	0.000000	0.00000000	0.00000000	734	-0.007648843	-0.007524431	-48.414606280	0.996078300	-450.52
410	0.000410	0.001112	0.008856	0.000038	-0.000006	0.000000	0.00000000	0.00000000	735	-0.007700278	-0.007700778	-48.246544818	0.995757300	-472.41
411	0.000411	0.001115	0.008868	0.000000	-0.000006	0.000000	0.00000000	0.00000000	736	-0.007751730	-0.007751730	-48.078499978	0.995436300	-494.35
412	0.000412	0.001117	0.008880	-0.000046	-0.000005	0.000000	0.00000000	0.00000000	737	-0.007803260	-0.007771531	-47.910513959	0.995115300	-516.18
413	0.000413	0.001120	0.008891	-0.000087	-0.000004	0.000000	0.00000000	0.00000000	738	-0.007854401	-0.007818323	-47.742474940	0.994794300	-538.04
414	0.000414	0.001123	0.008903	-0.000128	-0.000003	0.000000	0.00000000	0.00000000	739	-0.007905542	-0.007869460	-47.574382819	0.994473300	-559.89
415	0.000415	0.001125	0.008914	-0.000171	-0.000003	0.000000	0.00000000	0.00000000	740	-0.007956677	-0.007911014	-47.406274084	0.994152300	-581.70
416	0.000416	0.001128	0.008925	-0.000212	-0.000002	0.000000	0.00000000	0.00000000	741	-0.008007732	-0.007969900	-47.238167289	0.993831300	-603.49
417	0.000417	0.001131	0.008937	-0.000253	-0.000002	0.000000	0.00000000	0.00000000	742	-0.008058866	-0.007924272	-47.070060380	0.993510300	-625.37
418	0.000418	0.001133	0.008948	-0.000295	-0.000001	0.000000	0.00000000	0.00000000	743	-0.008109899	-0.007878047	-46.901924005	0.993189300	-646.99
419	0.000419	0.001136	0.008959	-0.000337	0.000000	0.000000	0.00000000	0.00000000	744	-0.008160938	-0.007832654	-46.829197036	0.992868300	-668.71
420	0.000420	0.001139	0.008970	-0.000378	0.000000	0.000000	0.00000000	0.00000000	745	-0.008212071	-0.007813252	-44.817812389	0.991106481	-690.38
421	0.000421	0.001141	0.008981	-0.000420	0.000001	0.000000	0.00000000	0.00000000	746	-0.008263076	-0.008181515	-44.149347269	0.990385276	-712.03
422	0.000422	0.001144	0.008992	-0.000462	0.000001	0.000000	0.00000000	0.00000000	747	-0.008314040	-0.008225436	-43.481591438	0.989664000	-733.88
423	0.000423	0.001147	0.009003	-0.000503	0.000002	0.000000	0.00000000	0.00000000	748	-0.008365107	-0.008209011	-43.495626917	0.988943941	-755.22
424	0.000424	0.001149	0.009014	-0.000544	0.000003	0.000000	0.00000000	0.00000000	749	-0.008416129	-0.008232234	-43.388171854	0.988717854	-776.75
425	0.000425	0.001152	0.009025	-0.000585	0.000003	0.000000	0.00000000	0.00000000	750	-0.008467161	-0.008255500	-43.276773918	0.988491765	-798.25
426	0.000426	0.001155	0.009035	-0.000627	0.000004	0.000000	0.00000000	0.00000000	751	-0.008518181	-0.008278703	-43.168326282	0.988265711	-819.70
427	0.000427	0.001158	0.009046	-0.000668	0.000004	0.000000	0.00000000	0.00000000	752	-0.008569216	-0.008301938	-43.060169111	0.988040000	-841.11
428	0.000428	0.001160	0.009056	-0.000710	0.000004	0.000000	0.00000000	0.00000000	753	-0.008620154	-0.008324801	-42.952170040	0.987814587	-862.48
429	0.000429	0.001163	0.009067	-0.000751	0.000005	0.000000	0.00000000	0.00000000	754	-0.008671232	-0.008347886	-42.843333225	0.987589100	-883.80
430	0.000430	0.001166	0.009077	-0.000792	0.000005	0.000000	0.00000000	0.00000000	755	-0.008722310	-0.008369888	-42.734552115	0.987363600	-905.05
431	0.000431	0.001168	0.009088	-0.000833	0.000006	0.000000	0.00000000	0.00000000	756	-0.008773348	-0.008392450	-42.625270518	0.987138100	-926.28
432	0.000432	0.001171	0.009098	-0.000875	0.000006	0.000000	0.00000000	0.00000000	757	-0.008824386	-0.008414422	-42.516007169	0.986912642	-947.44
433	0.000433	0.001174	0.009108	-0.000916	0.000006									

508	0.000508	0.001374	0.009676	-0.003681	0.000042	0.000000	0.00000000	0.00000000	833	-0.012025094	-0.010274892	-4.817976196	0.8544541929	-2282.15
509	0.000509	0.001376	0.009681	-0.003712	0.000042	0.000000	0.00000000	0.00000000	834	-0.012026038	-0.010275627	-4.827516227	0.8521602993	-2284.82
510	0.000510	0.001382	0.009696	-0.003742	0.000042	0.000000	0.00000000	0.00000000	835	-0.012026633	-0.010275426	-3.892533627	0.8495661021	-2307.33
511	0.000511	0.001382	0.009690	-0.003772	0.000042	0.000000	0.00000000	0.00000000	836	-0.012122998	-0.010274860	-3.443330528	0.8475619095	-2319.69
512	0.000512	0.001384	0.009696	-0.003802	0.000042	0.000000	0.00000000	0.00000000	837	-0.012155530	-0.010275239	-1.8986897237	0.8452525982	-2331.39
513	0.000513	0.001387	0.009700	-0.003832	0.000042	0.000000	0.00000000	0.00000000	838	-0.012186760	-0.010272666	-2.534884294	0.8426875982	-2343.94
514	0.000514	0.001390	0.009704	-0.003861	0.000042	0.000000	0.00000000	0.00000000	839	-0.012218193	-0.010269841	-2.897776640	0.8403745051	-2355.84
515	0.000515	0.001392	0.009709	-0.003891	0.000042	0.000000	0.00000000	0.00000000	840	-0.012249300	-0.010267066	-1.4349075321	0.8381793242	-2367.58
516	0.000516	0.001395	0.009713	-0.003920	0.000043	0.000000	0.00000000	0.00000000	841	-0.012280107	-0.010263742	-1.2000316146	0.8359262511	-2379.16
517	0.000517	0.001398	0.009717	-0.003948	0.000043	0.000000	0.00000000	0.00000000	842	-0.012310912	-0.010259972	-0.7491234963	0.8337144622	-2390.19
518	0.000518	0.001400	0.009721	-0.003977	0.000043	0.000000	0.00000000	0.00000000	843	-0.012340787	-0.010255456	-0.3205306050	0.8315212243	-2401.86
519	0.000519	0.001403	0.009726	-0.004005	0.000043	0.000000	0.00000000	0.00000000	844	-0.012370657	-0.010250487	0.1144665951	0.8291373748	-2412.97
520	0.000520	0.001406	0.009730	-0.004034	0.000043	0.000000	0.00000000	0.00000000	845	-0.012400531	-0.010245496	0.6400333623	0.8267632638	-2424.33
521	0.000521	0.001408	0.009734	-0.004061	0.000043	0.000000	0.00000000	0.00000000	846	-0.012429447	-0.010239955	0.9167676478	0.8243799010	-2434.72
522	0.000522	0.001411	0.009738	-0.004089	0.000043	0.000000	0.00000000	0.00000000	847	-0.012458363	-0.010234337	1.0434312045	0.8219292338	-2445.36
523	0.000523	0.001414	0.009741	-0.004116	0.000043	0.000000	0.00000000	0.00000000	848	-0.012486959	-0.010228703	1.0721330843	0.8194731883	-2456.14
524	0.000524	0.001416	0.009745	-0.004143	0.000043	0.000000	0.00000000	0.00000000	849	-0.012515322	-0.010171615	2.2472722663	0.8164143036	-2466.86
525	0.000525	0.001419	0.009749	-0.004170	0.000043	0.000000	0.00000000	0.00000000	850	-0.012543181	-0.010120435	2.6633349442	0.8134342497	-2476.32
526	0.000526	0.001422	0.009753	-0.004197	0.000043	0.000000	0.00000000	0.00000000	851	-0.012570804	-0.010120076	3.0397918940	0.8114617164	-2486.32
527	0.000527	0.001424	0.009756	-0.004223	0.000043	0.000000	0.00000000	0.00000000	852	-0.012598100	-0.010119191	3.4069494222	0.8094704462	-2496.16
528	0.000528	0.001427	0.009760	-0.004250	0.000043	0.000000	0.00000000	0.00000000	853	-0.012625907	-0.010118731	3.6986441144	0.8074664838	-2506.84
529	0.000529	0.001430	0.009763	-0.004275	0.000043	0.000000	0.00000000	0.00000000	854	-0.012651703	-0.010117448	4.3035936308	0.8035958462	-2515.35
530	0.000530	0.001432	0.009766	-0.004300	0.000043	0.000000	0.00000000	0.00000000	855	-0.012678707	-0.010116047	4.7049232410	0.8014386252	-2524.71
531	0.000531	0.001435	0.009770	-0.004327	0.000043	0.000000	0.00000000	0.00000000	856	-0.012703978	-0.010114638	5.102210399	0.7995904984	-2533.90
532	0.000532	0.001438	0.009773	-0.004352	0.000042	0.000000	0.00000000	0.00000000	857	-0.012729613	-0.010113746	5.4973305445	0.7983710534	-2542.93
533	0.000533	0.001440	0.009779	-0.004377	0.000042	0.000000	0.00000000	0.00000000	858	-0.012754912	-0.010112151	5.8882351979	0.7958232715	-2551.80
534	0.000534	0.001443	0.009779	-0.004401	0.000042	0.000000	0.00000000	0.00000000	859	-0.012779874	-0.010112299	6.2758243914	0.7927501000	-2560.51
535	0.000535	0.001445	0.009782	-0.004426	0.000042	0.000000	0.00000000	0.00000000	860	-0.012804495	-0.010098940	6.6597725728	0.7881727329	-2569.06
536	0.000536	0.001448	0.009785	-0.004450	0.000042	0.000000	0.00000000	0.00000000	861	-0.012829776	-0.010086079	7.0401594871	0.7861254429	-2577.44
537	0.000537	0.001451	0.009788	-0.004474	0.000042	0.000000	0.00000000	0.00000000	862	-0.012852715	-0.010077017	7.4165817179	0.7834577804	-2585.66
538	0.000538	0.001453	0.009791	-0.004497	0.000042	0.000000	0.00000000	0.00000000	863	-0.012876310	-0.010065589	7.7892526453	0.7805267902	-2593.72
539	0.000539	0.001456	0.009793	-0.004521	0.000042	0.000000	0.00000000	0.00000000	864	-0.012899560	-0.010045058	8.1592279614	0.7776360220	-2601.61
540	0.000540	0.001459	0.009796	-0.004544	0.000042	0.000000	0.00000000	0.00000000	865	-0.012922443	-0.010024666	8.5243949804	0.7757501750	-2609.34
541	0.000541	0.001461	0.009798	-0.004568	0.000041	0.000000	0.00000000	0.00000000	866	-0.012945019	-0.010004036	8.8868130279	0.7731161375	-2617.10
542	0.000542	0.001464	0.009801	-0.004589	0.000041	0.000000	0.00000000	0.00000000	867	-0.012967226	-0.009991523	9.2448857850	0.7702121440	-2624.32
543	0.000543	0.001467	0.009803	-0.004611	0.000041	0.000000	0.00000000	0.00000000	868	-0.012989002	-0.009974229	9.5919155896	0.7670392523	-2631.56
544	0.000544	0.001469	0.009806	-0.004634	0.000041	0.000000	0.00000000	0.00000000	869	-0.013011601	-0.009956468	9.949641345	0.7635284795	-2638.84
545	0.000545	0.001472	0.009808	-0.004655	0.000041	0.000000	0.00000000	0.00000000	870	-0.013033179	-0.009938214	10.2960432050	0.7620160696	-2645.56
546	0.000546	0.001475	0.009811	-0.004676	0.000041	0.000000	0.00000000	0.00000000	871	-0.013054737	-0.009919499	10.7596722070	0.7595671225	-2652.31
547	0.000547	0.001477	0.009812	-0.004698	0.000040	0.000000	0.00000000	0.00000000	872	-0.013076290	-0.009903018	10.9737173086	0.7571151040	-2658.90
548	0.000548	0.001480	0.009814	-0.004719	0.000040	0.000000	0.00000000	0.00000000	873	-0.013097306	-0.009886074	11.3218119460	0.754493762	-2665.33
549	0.000549	0.001483	0.009816	-0.004740	0.000040	0.000000	0.00000000	0.00000000	874	-0.013117771	-0.009869071	11.6742519086	0.7517518016	-2671.59
550	0.000550	0.001485	0.009818	-0.004760	0.000040	0.000000	0.00000000	0.00000000	875	-0.013137121	-0.009840212	11.9697011146	0.7489036241	-2677.70
551	0.000551	0.001488	0.009820	-0.004780	0.000039	0.000000	0.00000000	0.00000000	876	-0.013155173	-0.009819902	12.2645619002	0.7462504623	-2683.84
552	0.000552	0.001491	0.009822	-0.004800	0.000039	0.000000	0.00000000	0.00000000	877	-0.013171682	-0.009797544	12.6111988414	0.7433939288	-2689.41
553	0.000553	0.001493	0.009823	-0.004819	0.000039	0.000000	0.00000000	0.00000000	878	-0.013188107	-0.009775542	12.925681111	0.7412467978	-2695.03
554	0.000554	0.001495	0.009825	-0.004838	0.000039	0.000000	0.00000000	0.00000000	879	-0.013203200	-0.009753000	13.249549144	0.7384549169	-2700.45
555	0.000555	0.001498	0.009826	-0.004857	0.000038	0.000000	0.00000000	0.00000000	880	-0.013222327	-0.009730522	13.5426986771	0.7354985731	-2705.78
556	0.000556	0.001501	0.009828	-0.004876	0.000038	0.000000	0.00000000	0.00000000	881	-0.013240780	-0.009707312	13.8454806808	0.7323173180	-2710.91
557	0.000557	0.001504	0.009829	-0.004895	0.000038	0.000000	0.00000000	0.00000000	882	-0.013259705	-0.009683875	14.1437111568	0.7284241131	-2715.61
558	0.000558	0.001506	0.009831	-0.004912	0.000037	0.000000	0.00000000	0.00000000	883	-0.013274064	-0.009659514	14.4379115228	0.7247705819	-2720.98
559	0.000559	0.001509	0.009832	-0.004930	0.000037	0.000000	0.00000000	0.00000000	884	-0.013290154	-0.009635293	14.7279607590	0.7212667193	-2725.33
560	0.000560	0.001512	0.009833	-0.004948	0.000037	0.000000	0.00000000	0.00000000	885	-0.013306744	-0.009610900	15.0222562100	0.7172205100	-2729.32
561	0.000561	0.001514	0.009834	-0.004965	0.000037	0.000000	0.00000000	0.00000000	886	-0.013321224	-0.009586430	15.295648344	0.7132623149	-2734.15
562	0.000562	0.001517	0.009835	-0.004982	0.000036	0.000000	0.00000000	0.00000000	887	-0.013336302	-0.009561916	15.570356363	0.7117695393	-2738.78
563	0.000563	0.001520	0.009836	-0.004999	0.000036	0.000000	0.00000000	0.00000000	888	-0.013350808	-0.009537300	15.8466977211	0.7114646466	-2742.32
564	0.000564	0.001522	0.009837	-0.005015	0.000035	0.000000	0.00000000	0.00000000	889	-0.013365400	-0.009512695	16.1159707896	0.7113032895	-2746.17
565	0.000565	0.001525	0.009838	-0.005031	0.000035	0.000000	0.00000000	0.00000000	890	-0.013379897	-0.009487967	16.3817054116	0.7095434337	-2749.84
566	0.000566	0.001528	0.009838	-0.005047	0.000035	0.000000	0.00000000	0.00000000	891	-0.013393262	-0.009463280	16.6419494144	0.7080272291	-2753.39
567	0.000567	0.001530	0.009839	-0.005062	0.000035	0.000000	0.00000000	0.00000000	892	-0.013406448	-0.009438468	16.897320343	0.7064767166	-2

643	0.000643	0.001730	0.009674	-0.005333	-0.000009	0.000000	0.00000000	0.00000000	968	-0.013267403	-0.00663017	25.291801066	0.484672353	-2601.53
644	0.000644	0.001731	0.009674	-0.005334	-0.000009	0.000000	0.00000000	0.00000000	969	-0.013268017	-0.00663017	25.292772963	0.482674807	-2598.84
645	0.000645	0.001732	0.009674	-0.005335	-0.000010	0.000000	0.00000000	0.00000000	970	-0.013233416	-0.00647525	25.270287489	0.489424484	-2598.30
646	0.000646	0.001738	0.009659	-0.005336	-0.000011	0.000000	0.00000000	0.00000000	971	-0.013215851	-0.006343765	25.256186208	0.486897125	-2591.55
647	0.000647	0.001741	0.009653	-0.005341	-0.000012	0.000000	0.00000000	0.00000000	972	-0.013197907	-0.006292002	25.248431577	0.484431577	-2574.11
648	0.000648	0.001743	0.009648	-0.005327	-0.000012	0.000000	0.00000000	0.00000000	973	-0.013175985	-0.006246240	25.241422237	0.481748121	-2567.78
649	0.000649	0.001746	0.009643	-0.005327	-0.000013	0.000000	0.00000000	0.00000000	974	-0.013160884	-0.006236463	25.230821435	0.479138343	-2560.77
650	0.000650	0.001749	0.009637	-0.005326	-0.000013	0.000000	0.00000000	0.00000000	975	-0.013141605	-0.006233735	25.178214614	0.476261176	-2553.87
651	0.000651	0.001751	0.009632	-0.005326	-0.000014	0.000000	0.00000000	0.00000000	976	-0.013122352	-0.006220999	25.153595879	0.474076301	-2546.49
652	0.000652	0.001754	0.009626	-0.005324	-0.000014	0.000000	0.00000000	0.00000000	977	-0.013102522	-0.006208266	25.128597326	0.471533648	-2539.23
653	0.000653	0.001756	0.009621	-0.005323	-0.000015	0.000000	0.00000000	0.00000000	978	-0.013082318	-0.006195582	25.098188154	0.468998137	-2531.88
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657	0.000657	0.001767	0.009597	-0.005315	-0.000017	0.000000	0.00000000	0.00000000	982	-0.012997710	-0.006144884	24.974838682	0.458886559	-2501.71
658	0.000658	0.001770	0.009591	-0.005312	-0.000018	0.000000	0.00000000	0.00000000	983	-0.012975704	-0.006132205	24.943404762	0.456342620	-2494.88
659	0.000659	0.001772	0.009585	-0.005310	-0.000019	0.000000	0.00000000	0.00000000	984	-0.012953209	-0.006119529	24.911970401	0.453794588	-2486.17
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661	0.000661	0.001777	0.009573	-0.005311	-0.000020	0.000000	0.00000000	0.00000000	986	-0.012907295	-0.006094176	24.849130545	0.448695984	-2470.34
662	0.000662	0.001780	0.009567	-0.005317	-0.000020	0.000000	0.00000000	0.00000000	987	-0.012883758	-0.006081501	24.795922416	0.446198650	-2462.32
663	0.000663	0.001783	0.009561	-0.005321	-0.000021	0.000000	0.00000000	0.00000000	988	-0.012860368	-0.006068825	24.732704578	0.443691392	-2454.22
664	0.000664	0.001785	0.009554	-0.005308	-0.000021	0.000000	0.00000000	0.00000000	989	-0.012836588	-0.006056149	24.662215425	0.441181241	-2446.06
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667	0.000667	0.001793	0.009534	-0.005302	-0.000023	0.000000	0.00000000	0.00000000	992	-0.012765768	-0.006018121	24.513116418	0.433658249	-2421.18
668	0.000668	0.001796	0.009528	-0.005305	-0.000024	0.000000	0.00000000	0.00000000	993	-0.012742169	-0.006005445	24.463417436	0.431150578	-2412.75
669	0.000669	0.001798	0.009521	-0.005310	-0.000024	0.000000	0.00000000	0.00000000	994	-0.012718571	-0.005992769	24.388904931	0.428643783	-2404.26
670	0.000670	0.001801	0.009514	-0.005314	-0.000025	0.000000	0.00000000	0.00000000	995	-0.012694973	-0.005980093	24.314393276	0.426136025	-2395.72
671	0.000671	0.001804	0.009507	-0.005317	-0.000025	0.000000	0.00000000	0.00000000	996	-0.012671375	-0.005967417	24.232320639	0.423628263	-2387.11
672	0.000672	0.001806	0.009500	-0.005320	-0.000026	0.000000	0.00000000	0.00000000	997	-0.012647777	-0.005954741	24.150247999	0.421120506	-2378.44
673	0.000673	0.001809	0.009493	-0.005323	-0.000026	0.000000	0.00000000	0.00000000	998	-0.012624179	-0.005942065	24.102629207	0.418612748	-2369.71
674	0.000674	0.001811	0.009486	-0.005325	-0.000027	0.000000	0.00000000	0.00000000	999	-0.012599581	-0.005929389	24.096759736	0.417175118	-2360.93
675	0.000675	0.001814	0.009479	-0.005328	-0.000027	0.000000	0.00000000	0.00000000	1000	-0.012575983	-0.005916713	24.090890915	0.415737483	-2352.09
676	0.000676	0.001817	0.009472	-0.005331	-0.000028	0.000000	0.00000000	0.00000000	1001	-0.012552385	-0.005904037	24.085022093	0.414299848	-2343.23
677	0.000677	0.001819	0.009464	-0.005331	-0.000028	0.000000	0.00000000	0.00000000	1002	-0.012487429	-0.005891361	23.950115823	0.410282833	-2334.25
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679	0.000679	0.001824	0.009449	-0.005333	-0.000029	0.000000	0.00000000	0.00000000	1004	-0.012440313	-0.005866009	23.797368361	0.406116315	-2316.27
680	0.000680	0.001827	0.009442	-0.005333	-0.000030	0.000000	0.00000000	0.00000000	1005	-0.012396263	-0.005853333	23.698835635	0.403566121	-2307.10
681	0.000681	0.001830	0.009434	-0.005334	-0.000030	0.000000	0.00000000	0.00000000	1006	-0.012372705	-0.005840657	23.600302909	0.401015862	-2297.85
682	0.000682	0.001832	0.009427	-0.005334	-0.000031	0.000000	0.00000000	0.00000000	1007	-0.012349147	-0.005827981	23.557599492	0.398467051	-2288.75
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684	0.000684	0.001837	0.009411	-0.005334	-0.000031	0.000000	0.00000000	0.00000000	1009	-0.012302031	-0.005802629	23.412546405	0.394113233	-2270.22
685	0.000685	0.001840	0.009403	-0.005333	-0.000032	0.000000	0.00000000	0.00000000	1010	-0.012278473	-0.005790003	23.336291103	0.392145768	-2260.88
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687	0.000687	0.001845	0.009387	-0.005331	-0.000032	0.000000	0.00000000	0.00000000	1012	-0.012231357	-0.005764651	23.185721738	0.388247808	-2242.09
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689	0.000689	0.001850	0.009371	-0.005329	-0.000033	0.000000	0.00000000	0.00000000	1014	-0.012184241	-0.005739300	23.035143180	0.384349848	-2223.12
690	0.000690	0.001853	0.009363	-0.005328	-0.000034	0.000000	0.00000000	0.00000000	1015	-0.012160683	-0.005726624	22.959853901	0.382400868	-2213.58
691	0.000691	0.001856	0.009354	-0.005328	-0.000034	0.000000	0.00000000	0.00000000	1016	-0.012137125	-0.005713948	22.884564621	0.380451888	-2204.00
692	0.000692	0.001858	0.009346	-0.005327	-0.000034	0.000000	0.00000000	0.00000000	1017	-0.012113567	-0.005701272	22.809275341	0.378502908	-2194.44
693	0.000693	0.001861	0.009337	-0.005327	-0.000035	0.000000	0.00000000	0.00000000	1018	-0.011874909	-0.004842425	22.707923653	0.374261194	-2184.74
694	0.000694	0.001863	0.009329	-0.005326	-0.000035	0.000000	0.00000000	0.00000000	1019	-0.011847351	-0.004829749	22.622632960	0.372181627	-2175.25
695	0.000695	0.001866	0.009320	-0.005325	-0.000036	0.000000	0.00000000	0.00000000	1020	-0.011819793	-0.004817073	22.547342686	0.370102060	-2165.33
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697	0.000697	0.001871	0.009303	-0.005323	-0.000036	0.000000	0.00000000	0.00000000	1022	-0.011764677	-0.004791721	22.396762138	0.365942926	-2145.80
698	0.000698	0.001874	0.009294	-0.005322	-0.000037	0.000000	0.00000000	0.00000000	1023	-0.011737119	-0.004779045	22.321471863	0.363863359	-2135.95
699	0.000699	0.001876	0.009285	-0.005321	-0.000037	0.000000	0.00000000	0.00000000	1024	-0.011709561	-0.004766369	22.246181588	0.361783791	-2126.14
700	0.000700	0.001879	0.009276	-0.005320	-0.000037	0.000000	0.00000000	0.00000000	1025	-0.011682003	-0.004753693	22.170891313	0.359704223	-2116.27
701	0.000701	0.001882	0.009267	-0.005319	-0.000038	0.000000	0.00000000	0.00000000	1026	-0.011654445	-0.004741017	22.095601038	0.357624655	-2106.37
702	0.000702	0.001884	0.009258	-0.005318	-0.000038	0.000000	0.00000000	0.00000000	1027	-0.011626887	-0.004728341	22.020310763	0.355545087	-2096.45
703	0.000703	0.001887												

778	0.000778	0.002081	0.008372	-0.001790	-0.000034	0.000000	0.0000000	0.0000000	1103	-0.00847046	-0.00181093	14.932420635	0.220257616	-1333.85
779	0.000779	0.002083	0.008365	-0.001791	-0.000033	0.000000	0.0000000	0.0000000	1104	-0.00791342	-0.00178736	14.8481298656	0.222866100	-1324.46
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782	0.000782	0.002091	0.008315	-0.001812	-0.000032	0.000000	0.0000000	0.0000000	1107	-0.00763244	-0.00171926	14.5892516612	0.2197052950	-1296.47
783	0.000783	0.002094	0.008300	-0.001822	-0.000032	0.000000	0.0000000	0.0000000	1108	-0.00766981	-0.00169679	14.5042688100	0.2184734444	-1287.21
784	0.000784	0.002096	0.008286	-0.001852	-0.000031	0.000000	0.0000000	0.0000000	1109	-0.00771056	-0.00167463	14.4196404379	0.2171908489	-1277.98
785	0.000785	0.002099	0.008271	-0.001852	-0.000031	0.000000	0.0000000	0.0000000	1110	-0.00763606	-0.001652612	14.3363551314	0.2159174464	-1268.79
786	0.000786	0.002101	0.008257	-0.001872	-0.000030	0.000000	0.0000000	0.0000000	1111	-0.00759713	-0.001630754	14.2514133213	0.2146332571	-1259.83
787	0.000787	0.002104	0.008242	-0.001877	-0.000030	0.000000	0.0000000	0.0000000	1112	-0.00740261	-0.00160829	14.1678173150	0.2133819251	-1250.51
788	0.000788	0.002107	0.008227	-0.001892	-0.000030	0.000000	0.0000000	0.0000000	1113	-0.00748320	-0.001585784	14.0845629808	0.2121552340	-1241.42
789	0.000789	0.002109	0.008213	-0.001892	-0.000029	0.000000	0.0000000	0.0000000	1114	-0.00742603	-0.00156321	14.0019713402	0.2109153479	-1232.36
790	0.000790	0.002112	0.008198	-0.001918	-0.000029	0.000000	0.0000000	0.0000000	1115	-0.00740741	-0.001540537	13.9191233407	0.2096874979	-1223.34
791	0.000791	0.002114	0.008183	-0.001927	-0.000028	0.000000	0.0000000	0.0000000	1116	-0.00731332	-0.00151814	13.8369328566	0.2084664878	-1214.36
792	0.000792	0.002117	0.008168	-0.001928	-0.000028	0.000000	0.0000000	0.0000000	1117	-0.00725373	-0.001495819	13.7552087014	0.2072581712	-1205.42
793	0.000793	0.002119	0.008153	-0.001930	-0.000027	0.000000	0.0000000	0.0000000	1118	-0.00719687	-0.00147358	13.6736774207	0.2060677014	-1196.51
794	0.000794	0.002122	0.008138	-0.001949	-0.000027	0.000000	0.0000000	0.0000000	1119	-0.00713878	-0.001451388	13.5924667474	0.2048967311	-1187.64
795	0.000795	0.002124	0.008123	-0.001958	-0.000027	0.000000	0.0000000	0.0000000	1120	-0.00708047	-0.001429143	13.5117391765	0.2037456130	-1178.80
796	0.000796	0.002127	0.008107	-0.001967	-0.000026	0.000000	0.0000000	0.0000000	1121	-0.00702297	-0.001406912	13.4313702223	0.2026081094	-1170.01
797	0.000797	0.002130	0.008092	-0.001977	-0.000025	0.000000	0.0000000	0.0000000	1122	-0.00696430	-0.001384675	13.3513034088	0.2014824820	-1161.25
798	0.000798	0.002132	0.008077	-0.001986	-0.000025	0.000000	0.0000000	0.0000000	1123	-0.00690549	-0.001362451	13.2716275690	0.2003656028	-1152.53
799	0.000799	0.002135	0.008062	-0.001995	-0.000024	0.000000	0.0000000	0.0000000	1124	-0.006847456	-0.001340200	13.1923139819	0.1992537426	-1143.85
800	0.000800	0.002137	0.008046	-0.002004	-0.000024	0.000000	0.0000000	0.0000000	1125	-0.00678953	-0.001317919	13.1133797958	0.1981478729	-1135.24
801	0.000801	0.002140	0.008031	-0.002013	-0.000023	0.000000	0.0000000	0.0000000	1126	-0.00673144	-0.001295639	13.0348062650	0.1970469645	-1126.61
802	0.000802	0.002142	0.008015	-0.002021	-0.000022	0.000000	0.0000000	0.0000000	1127	-0.00667329	-0.001273369	12.9565915929	0.1959464377	-1118.05
803	0.000803	0.002145	0.007999	-0.002030	-0.000022	0.000000	0.0000000	0.0000000	1128	-0.00661513	-0.001251096	12.8787052341	0.1948463029	-1109.53
804	0.000804	0.002148	0.007984	-0.002039	-0.000021	0.000000	0.0000000	0.0000000	1129	-0.00655696	-0.001228791	12.8012773961	0.1937452570	-1101.05
805	0.000805	0.002150	0.007968	-0.002048	-0.000021	0.000000	0.0000000	0.0000000	1130	-0.00649882	-0.001206493	12.72417132414	0.1926442097	-1092.60
806	0.000806	0.002153	0.007952	-0.002056	-0.000020	0.000000	0.0000000	0.0000000	1131	-0.00644073	-0.001184207	12.6474328483	0.1915432491	-1084.20
807	0.000807	0.002155	0.007936	-0.002065	-0.000020	0.000000	0.0000000	0.0000000	1132	-0.00638267	-0.001161921	12.5707072177	0.1904423298	-1075.84
808	0.000808	0.002158	0.007920	-0.002074	-0.000019	0.000000	0.0000000	0.0000000	1133	-0.00632461	-0.001139636	12.4950768651	0.1893414057	-1067.52
809	0.000809	0.002160	0.007904	-0.002083	-0.000018	0.000000	0.0000000	0.0000000	1134	-0.00626658	-0.001117353	12.4194506323	0.1882403389	-1059.25
810	0.000810	0.002163	0.007888	-0.002091	-0.000018	0.000000	0.0000000	0.0000000	1135	-0.00620843	-0.001095062	12.3438144842	0.1871391747	-1051.01
811	0.000811	0.002165	0.007872	-0.002100	-0.000017	0.000000	0.0000000	0.0000000	1136	-0.00615038	-0.001072781	12.2683243116	0.1860379116	-1042.81
812	0.000812	0.002168	0.007856	-0.002108	-0.000017	0.000000	0.0000000	0.0000000	1137	-0.00609234	-0.001050500	12.1947919328	0.1849366510	-1034.66
813	0.000813	0.002171	0.007840	-0.002116	-0.000016	0.000000	0.0000000	0.0000000	1138	-0.00603429	-0.001028217	12.1206409566	0.1838353979	-1026.55
814	0.000814	0.002173	0.007824	-0.002125	-0.000016	0.000000	0.0000000	0.0000000	1139	-0.00597625	-0.001005932	12.0468679195	0.1827341343	-1018.47
815	0.000815	0.002176	0.007807	-0.002133	-0.000015	0.000000	0.0000000	0.0000000	1140	-0.00591820	-0.001003703	11.9734939300	0.1816328181	-1010.46
816	0.000816	0.002178	0.007791	-0.002141	-0.000015	0.000000	0.0000000	0.0000000	1141	-0.00586016	-0.001001474	11.9004188466	0.1805315547	-1002.47
817	0.000817	0.002181	0.007774	-0.002149	-0.000014	0.000000	0.0000000	0.0000000	1142	-0.00579981	-0.0010039310	11.8274748349	0.17943119574	-994.53
818	0.000818	0.002183	0.007758	-0.002158	-0.000013	0.000000	0.0000000	0.0000000	1143	-0.00573918	-0.001002844	11.7545445429	0.1783317375	-986.63
819	0.000819	0.002186	0.007741	-0.002166	-0.000012	0.000000	0.0000000	0.0000000	1144	-0.00567854	-0.001000630	11.6816506532	0.1772322846	-978.78
820	0.000820	0.002188	0.007725	-0.002175	-0.000012	0.000000	0.0000000	0.0000000	1145	-0.00561790	-0.000999367	11.6119430249	0.1761328393	-970.97
821	0.000821	0.002191	0.007709	-0.002183	-0.000011	0.000000	0.0000000	0.0000000	1146	-0.00555726	-0.000997465	11.540731384	0.1750332961	-963.26
822	0.000822	0.002194	0.007692	-0.002192	-0.000011	0.000000	0.0000000	0.0000000	1147	-0.00549662	-0.000995941	11.4745737801	0.1739337598	-955.47
823	0.000823	0.002196	0.007675	-0.002200	-0.000010	0.000000	0.0000000	0.0000000	1148	-0.00543597	-0.000994276	11.4083426541	0.1728341617	-947.79
824	0.000824	0.002199	0.007658	-0.002208	-0.000010	0.000000	0.0000000	0.0000000	1149	-0.00537532	-0.000992592	11.3423116847	0.1717345190	-940.13
825	0.000825	0.002201	0.007641	-0.002216	-0.000009	0.000000	0.0000000	0.0000000	1150	-0.00531467	-0.000990918	11.2765703187	0.1706348740	-932.56
826	0.000826	0.002204	0.007624	-0.002224	-0.000008	0.000000	0.0000000	0.0000000	1151	-0.00525402	-0.000989208	11.2109185783	0.1695352362	-925.01
827	0.000827	0.002206	0.007607	-0.002232	-0.000008	0.000000	0.0000000	0.0000000	1152	-0.00519337	-0.000987514	11.1452161847	0.1684355982	-917.47
828	0.000828	0.002209	0.007590	-0.002240	-0.000007	0.000000	0.0000000	0.0000000	1153	-0.00513272	-0.000985833	11.0795138742	0.1673359602	-910.04
829	0.000829	0.002211	0.007573	-0.002249	-0.000006	0.000000	0.0000000	0.0000000	1154	-0.00507207	-0.000984154	11.0138110690	0.1662363222	-902.63
830	0.000830	0.002214	0.007556	-0.002257	-0.000006	0.000000	0.0000000	0.0000000	1155	-0.00501142	-0.000982475	10.9481038665	0.1651366842	-895.25
831	0.000831	0.002217	0.007539	-0.002265	-0.000005	0.000000	0.0000000	0.0000000	1156	-0.00495077	-0.000980795	10.8823966706	0.1640370462	-887.82
832	0.000832	0.002219	0.007521	-0.002273	-0.000005	0.000000	0.0000000	0.0000000	1157	-0.00489012	-0.000979116	10.8166894883	0.1629374083	-880.44
833	0.000833	0.002222	0.007503	-0.002281	-0.000004	0.000000	0.0000000	0.0000000	1158	-0.00482947	-0.000977437	10.7509823029	0.1618377704	-873.00
834	0.000834	0.002224	0.007486	-0.002289	-0.000003	0.000000	0.0000000	0.0000000	1159	-0.00476882	-0.000975757	10.6852751077	0.1607381325	-865.57
835	0.000835	0.002227	0.007468	-0.002297	-0.000003	0.000000	0.0000000	0.0000000	1160	-0.00470817	-0.000974078	10.6195699130	0.1596384946	-858.15
836	0.000836	0.002229	0.007451	-0.002305	-0.000002	0.000000	0.0000000	0.0000000	1161	-0.00464752	-0.000972399	10.5538627182	0.1585388567	-850.74
837	0.000837	0.002232	0.007433	-0.002313	-0.000002	0.000000	0.0000000	0.0000000	1162	-0.00458687	-0.000970720	10.4881555233	0.1574392188	-843.33
838	0.000838	0.002234	0.007416	-0.002321	-0.000001	0.000000	0.							

1048	0.001048	0.002759	0.002720	0.005377	0.000000	0.000000	0.000000	0.000000	1373	0.005416264	0.000427759	1.6977310482	0.0789789180	-155.82
1049	0.001049	0.002760	0.002721	0.005378	0.000000	0.000000	0.000000	0.000000	1374	0.005426467	0.000429687	1.6717275043	0.0789812426	-154.49
1050	0.001050	0.002761	0.002722	0.005379	-0.000001	0.000000	0.000000	0.000000	1375	0.005436356	0.000429549	1.6445529267	0.0789835268	-154.12
1051	0.001051	0.002766	0.002842	0.005356	0.000000	0.000000	0.000000	0.000000	1376	0.005481960	0.000430406	1.6187121636	0.0789131858	-153.28
1052	0.001052	0.002765	0.002816	0.005343	0.000000	0.000000	0.000000	0.000000	1377	0.005503271	0.000431228	1.5926603512	0.0789663212	-152.41
1053	0.001053	0.002771	0.002950	0.005340	-0.000003	0.000000	0.000000	0.000000	1378	0.005524287	0.000432045	1.5666713364	0.0789232797	-151.63
1054	0.001054	0.002774	0.002964	0.005322	-0.000004	0.000000	0.000000	0.000000	1379	0.005545029	0.000428267	1.5407463680	0.0787075014	-150.82
1055	0.001055	0.002776	0.002938	0.005323	0.000000	0.000000	0.000000	0.000000	1380	0.005566437	0.000433564	1.5148923560	0.0779663565	-150.03
1056	0.001056	0.002779	0.002912	0.005315	-0.000005	0.000000	0.000000	0.000000	1381	0.005585791	0.000434317	1.4893593208	0.0777569593	-149.24
1057	0.001057	0.002781	0.002886	0.005316	-0.000006	0.000000	0.000000	0.000000	1382	0.005605625	0.000435051	1.4638420265	0.0775016148	-148.46
1058	0.001058	0.002784	0.002860	0.005296	-0.000006	0.000000	0.000000	0.000000	1383	0.005624960	0.000435710	1.4384807148	0.0772460761	-147.69
1059	0.001059	0.002786	0.002834	0.005286	-0.000007	0.000000	0.000000	0.000000	1384	0.005644214	0.000436370	1.4131719230	0.0770127893	-146.93
1060	0.001060	0.002788	0.002808	0.005267	-0.000007	0.000000	0.000000	0.000000	1385	0.005663475	0.000437036	1.3880159895	0.0767862187	-146.18
1061	0.001061	0.002791	0.002782	0.005265	0.000000	0.000000	0.000000	0.000000	1386	0.005681844	0.000437818	1.3628063375	0.0765340153	-145.43
1062	0.001062	0.002793	0.002756	0.005254	0.000000	0.000000	0.000000	0.000000	1387	0.005702221	0.000438593	1.3380630350	0.0762813026	-144.67
1063	0.001063	0.002796	0.002730	0.005243	0.000000	0.000000	0.000000	0.000000	1388	0.005723605	0.000439371	1.3132735445	0.0760317142	-143.91
1064	0.001064	0.002798	0.002704	0.005232	-0.000010	0.000000	0.000000	0.000000	1389	0.005746008	0.000439313	1.2886026723	0.0757879898	-143.26
1065	0.001065	0.002801	0.002778	0.005220	-0.000011	0.000000	0.000000	0.000000	1390	0.005768300	0.000439881	1.2640454460	0.0755444955	-142.55
1066	0.001066	0.002803	0.002752	0.005208	-0.000011	0.000000	0.000000	0.000000	1391	0.005770810	0.000440326	1.2396328429	0.0753022955	-141.85
1067	0.001067	0.002805	0.002726	0.005196	-0.000012	0.000000	0.000000	0.000000	1392	0.005797729	0.000440798	1.2153255958	0.0750616076	-141.16
1068	0.001068	0.002808	0.002700	0.005183	-0.000012	0.000000	0.000000	0.000000	1393	0.005824359	0.000441247	1.1911471500	0.0748189723	-140.48
1069	0.001069	0.002810	0.002773	0.005171	-0.000013	0.000000	0.000000	0.000000	1394	0.005850698	0.000441674	1.167025828	0.0745787825	-139.80
1070	0.001070	0.002813	0.002747	0.005157	-0.000014	0.000000	0.000000	0.000000	1395	0.005876748	0.000442077	1.1431025867	0.0743403630	-139.14
1071	0.001071	0.002815	0.002721	0.005144	-0.000014	0.000000	0.000000	0.000000	1396	0.005902569	0.000442469	1.1193765448	0.0741031560	-138.48
1072	0.001072	0.002818	0.002694	0.005130	-0.000015	0.000000	0.000000	0.000000	1397	0.005928781	0.000442818	1.0956726799	0.0738643034	-137.83
1073	0.001073	0.002820	0.002668	0.005116	-0.000015	0.000000	0.000000	0.000000	1398	0.005954355	0.000443155	1.0721248971	0.0736252975	-137.19
1074	0.001074	0.002823	0.002642	0.005101	-0.000016	0.000000	0.000000	0.000000	1399	0.005980062	0.000443470	1.0486979837	0.0733860305	-136.55
1075	0.001075	0.002825	0.002616	0.005087	-0.000017	0.000000	0.000000	0.000000	1400	0.005912671	0.000443762	1.0253368091	0.0731467250	-135.92
1076	0.001076	0.002827	0.002591	0.005072	-0.000017	0.000000	0.000000	0.000000	1401	0.005926984	0.000444024	1.0022254443	0.0729117833	-135.30
1077	0.001077	0.002830	0.002563	0.005056	-0.000018	0.000000	0.000000	0.000000	1402	0.005941021	0.000444283	0.9791907623	0.0726792182	-134.69
1078	0.001078	0.002832	0.002537	0.005041	-0.000018	0.000000	0.000000	0.000000	1403	0.005954762	0.000444511	0.9562634372	0.0724491822	-134.08
1079	0.001079	0.002835	0.002510	0.005025	-0.000019	0.000000	0.000000	0.000000	1404	0.005968248	0.000444718	0.9334169443	0.0722194182	-133.49
1080	0.001080	0.002837	0.002484	0.005009	-0.000020	0.000000	0.000000	0.000000	1405	0.005981431	0.000444904	0.9108187602	0.0719903891	-132.89
1081	0.001081	0.002840	0.002458	0.004992	-0.000020	0.000000	0.000000	0.000000	1406	0.005994329	0.000445068	0.8884645008	0.0717624278	-132.31
1082	0.001082	0.002842	0.002431	0.004975	-0.000021	0.000000	0.000000	0.000000	1407	0.006006945	0.000445212	0.8663892285	0.0715316207	-131.73
1083	0.001083	0.002844	0.002405	0.004958	-0.000021	0.000000	0.000000	0.000000	1408	0.006019278	0.000445335	0.8446324875	0.0713047412	-131.16
1084	0.001084	0.002847	0.002378	0.004941	-0.000022	0.000000	0.000000	0.000000	1409	0.006031322	0.000445437	0.8231488662	0.0710783822	-130.59
1085	0.001085	0.002849	0.002351	0.004923	-0.000022	0.000000	0.000000	0.000000	1410	0.006043100	0.000445519	0.7994841491	0.0708527840	-130.04
1086	0.001086	0.002852	0.002325	0.004906	-0.000023	0.000000	0.000000	0.000000	1411	0.006054633	0.000445586	0.7759171907	0.0706279378	-129.49
1087	0.001087	0.002854	0.002299	0.004889	-0.000023	0.000000	0.000000	0.000000	1412	0.006065980	0.000445622	0.7525872784	0.0704044833	-128.94
1088	0.001088	0.002857	0.002272	0.004869	-0.000024	0.000000	0.000000	0.000000	1413	0.006077132	0.000445643	0.7304267838	0.0701833590	-128.41
1089	0.001089	0.002859	0.002246	0.004848	-0.000024	0.000000	0.000000	0.000000	1414	0.006088138	0.000445648	0.7084446864	0.0699645176	-127.87
1090	0.001090	0.002861	0.002220	0.004831	-0.000025	0.000000	0.000000	0.000000	1415	0.006097763	0.000445625	0.6864544143	0.0697380150	-127.35
1091	0.001091	0.002864	0.002193	0.004812	-0.000026	0.000000	0.000000	0.000000	1416	0.006107183	0.000445587	0.6647029868	0.0695125368	-126.83
1092	0.001092	0.002866	0.002167	0.004794	-0.000026	0.000000	0.000000	0.000000	1417	0.006116407	0.000445530	0.6431873462	0.0692891544	-126.32
1093	0.001093	0.002869	0.002140	0.004772	-0.000027	0.000000	0.000000	0.000000	1418	0.006125737	0.000445453	0.6228347052	0.0690700432	-125.81
1094	0.001094	0.002871	0.002113	0.004751	-0.000027	0.000000	0.000000	0.000000	1419	0.006135127	0.000445357	0.6024671847	0.0688541747	-125.31
1095	0.001095	0.002874	0.002148	0.004731	-0.000028	0.000000	0.000000	0.000000	1420	0.006145515	0.000445301	0.5826786100	0.0686418600	-124.81
1096	0.001096	0.002876	0.002140	0.004711	-0.000028	0.000000	0.000000	0.000000	1421	0.006145445	0.000445407	0.5626263876	0.0684252505	-124.32
1097	0.001097	0.002878	0.002132	0.004691	-0.000029	0.000000	0.000000	0.000000	1422	0.006145274	0.000445494	0.5424476884	0.0682117124	-123.84
1098	0.001098	0.002881	0.002124	0.004668	-0.000029	0.000000	0.000000	0.000000	1423	0.006145103	0.000445478	0.5222527944	0.0680017761	-123.36
1099	0.001099	0.002883	0.002116	0.004646	-0.000029	0.000000	0.000000	0.000000	1424	0.006144932	0.000445463	0.5020457263	0.0677954589	-122.88
1100	0.001100	0.002886	0.002108	0.004623	-0.000030	0.000000	0.000000	0.000000	1425	0.006144761	0.000445448	0.4818343514	0.0675877010	-122.41
1101	0.001101	0.002888	0.002100	0.004603	-0.000030	0.000000	0.000000	0.000000	1426	0.006144590	0.000445434	0.4616272636	0.0673794235	-121.95
1102	0.001102	0.002890	0.002092	0.004581	-0.000031	0.000000	0.000000	0.000000	1427	0.006144419	0.000445420	0.4414319314	0.0671701603	-121.49
1103	0.001103	0.002893	0.002074	0.004558	-0.000031	0.000000	0.000000	0.000000	1428	0.006144248	0.000445406	0.4212467894	0.0669614663	-121.04
1104	0.001104	0.002895	0.002067	0.004535	-0.000032	0.000000	0.000000	0.000000	1429	0.006144077	0.000445391	0.4010744564	0.0667514339	-120.59
1105	0.001105	0.002898	0.002059	0.004512	-0.000032	0.000000	0.000000	0.000000	1430	0.006143906	0.000445377	0.3809173571	0.0665412545	-120.15
1106	0.001106	0.002900	0.002051	0.004488	-0.000033	0.000000	0.000000	0.000000	1431	0.006143734	0.000445370	0.3606836440	0.0663310570	-119.72
1107	0.001107	0.002903	0.002043	0.004465	-0.000033	0.000000	0.000000	0.000000	1432	0.006143563	0.000445354	0.3404695854	0.0661208428	-119.29
1108	0.001108	0.002905	0.002035	0.004441	-0.000033	0.000000	0.000000	0.000000	1433	0.006143392	0.000445340	0.3202630432	0.06	

1184	0.001183	0.003084	-0.000071	0.002020	-0.000039	0.000000	0.000000	0.000000	1508	0.009014421	0.00078239	-0.652872371	0.0028886130	-96.56
1185	0.001184	0.003087	-0.000068	0.001981	-0.000038	0.000000	0.000000	0.000000	1509	0.009004565	0.00077039	-0.660011285	0.0027921607	-96.35
1186	0.001185	0.003090	-0.000065	0.001983	-0.000037	0.000000	0.000000	0.000000	1510	0.009004566	0.00077039	-0.660011285	0.0027921607	-96.35
1187	0.001186	0.003092	-0.000061	0.001904	-0.000038	0.000000	0.000000	0.000000	1511	0.009084428	0.000774624	-0.678566499	0.0026996783	-95.74
1188	0.001187	0.003094	-0.000078	0.001865	-0.000039	0.000000	0.000000	0.000000	1512	0.009154713	0.00075410	-0.680067961	0.0025040412	-95.43
1189	0.001188	0.003096	-0.000106	0.001818	-0.000037	0.000000	0.000000	0.000000	1513	0.009083792	0.000772191	-0.687410095	0.0024344098	-95.17
1190	0.001189	0.003099	-0.000102	0.001766	-0.000037	0.000000	0.000000	0.000000	1514	0.009053289	0.000770967	-0.693978305	0.0023129778	-95.33
1191	0.001190	0.003101	-0.000101	0.001705	-0.000037	0.000000	0.000000	0.000000	1515	0.009042654	0.000770967	-0.699939050	0.0022171467	-95.10
1192	0.001191	0.003103	-0.000105	0.001707	-0.000037	0.000000	0.000000	0.000000	1516	0.009139120	0.000685607	-0.706045740	0.0021227140	-94.93
1193	0.001192	0.003106	-0.000112	0.001688	-0.000036	0.000000	0.000000	0.000000	1517	0.009216000	0.000687271	-0.711966329	0.0020327874	-94.74
1194	0.001193	0.003108	-0.000118	0.001638	-0.000035	0.000000	0.000000	0.000000	1518	0.009100000	0.000686031	-0.717771717	0.0019333285	-94.53
1195	0.001194	0.003111	-0.000165	0.001588	-0.000035	0.000000	0.000000	0.000000	1519	0.009089999	0.000686787	-0.723432243	0.001837930	-94.35
1196	0.001196	0.003113	-0.000192	0.001548	-0.000035	0.000000	0.000000	0.000000	1520	0.009087802	0.000683540	-0.728918264	0.0017445405	-94.16
1197	0.001196	0.003115	-0.000211	0.001488	-0.000034	0.000000	0.000000	0.000000	1521	0.009076494	0.000682289	-0.734343208	0.0016504788	-94.16
1198	0.001197	0.003118	-0.000245	0.001448	-0.000034	0.000000	0.000000	0.000000	1522	0.009065807	0.000681305	-0.7394264035	0.0015596006	-93.78
1199	0.001200	0.003120	-0.000272	0.001388	-0.000034	0.000000	0.000000	0.000000	1523	0.009053574	0.000680517	-0.744444990	0.0014620285	-93.50
1200	0.001200	0.003122	-0.000298	0.001388	-0.000033	0.000000	0.000000	0.000000	1524	0.009149169	0.000685818	-0.749318792	0.0013603454	-93.40
1201	0.001200	0.003125	-0.000325	0.001348	-0.000033	0.000000	0.000000	0.000000	1525	0.009083298	0.000687295	-0.7540348105	0.0012761200	-93.21
1202	0.001201	0.003127	-0.000352	0.001302	-0.000033	0.000000	0.000000	0.000000	1526	0.009118418	0.000685989	-0.758879508	0.0011830032	-93.02
1203	0.001202	0.003129	-0.000378	0.001267	-0.000032	0.000000	0.000000	0.000000	1527	0.009086352	0.000685471	-0.763007493	0.0010900716	-92.84
1204	0.001203	0.003132	-0.000405	0.001228	-0.000032	0.000000	0.000000	0.000000	1528	0.009179435	0.000685421	-0.767474582	0.0009971813	-92.68
1205	0.001204	0.003134	-0.000431	0.001194	-0.000031	0.000000	0.000000	0.000000	1529	0.009176241	0.000685379	-0.771369856	0.0009047469	-92.48
1206	0.001205	0.003137	-0.000458	0.001145	-0.000031	0.000000	0.000000	0.000000	1530	0.009170275	0.000685304	-0.775323210	0.0008125964	-92.30
1207	0.001206	0.003139	-0.000484	0.001095	-0.000030	0.000000	0.000000	0.000000	1531	0.009163406	0.000685254	-0.779244588	0.0007204528	-92.13
1208	0.001207	0.003141	-0.000511	0.001064	-0.000030	0.000000	0.000000	0.000000	1532	0.009157467	0.000684948	-0.783174586	0.0006291238	-91.94
1209	0.001208	0.003144	-0.000538	0.001023	-0.000029	0.000000	0.000000	0.000000	1533	0.009151321	0.000684700	-0.787240520	0.0005362590	-91.77
1210	0.001209	0.003146	-0.000564	0.000982	-0.000028	0.000000	0.000000	0.000000	1534	0.009145175	0.000684452	-0.791306478	0.0004444098	-91.60
1210	0.001210	0.003148	-0.000591	0.000941	-0.000028	0.000000	0.000000	0.000000	1535	0.0091390173	0.000684205	-0.7953821286	0.0003526784	-91.42
1211	0.001211	0.003151	-0.000617	0.000900	-0.000027	0.000000	0.000000	0.000000	1536	0.009132870	0.000683957	-0.799457993	0.0002609339	-91.25
1212	0.001212	0.003153	-0.000644	0.000859	-0.000027	0.000000	0.000000	0.000000	1537	0.009126722	0.000683710	-0.803533747	0.0001692564	-91.07
1213	0.001213	0.003155	-0.000670	0.000817	-0.000027	0.000000	0.000000	0.000000	1538	0.009120574	0.000683462	-0.807610290	0.0000730974	-90.90
1214	0.001214	0.003158	-0.000697	0.000776	-0.000026	0.000000	0.000000	0.000000	1539	0.009114426	0.000683214	-0.811686848	0.0000000000	-90.74
1215	0.001215	0.003160	-0.000723	0.000735	-0.000026	0.000000	0.000000	0.000000	1540	0.009108278	0.000682967	-0.815763401	0.0000000000	-90.56
1216	0.001216	0.003162	-0.000750	0.000694	-0.000025	0.000000	0.000000	0.000000	1541	0.009102130	0.000682719	-0.819839968	0.0000000000	-90.39
1217	0.001217	0.003165	-0.000776	0.000653	-0.000025	0.000000	0.000000	0.000000	1542	0.009095982	0.000682471	-0.823916534	0.0000000000	-90.22
1218	0.001218	0.003167	-0.000803	0.000611	-0.000024	0.000000	0.000000	0.000000	1543	0.009089834	0.000682223	-0.827993100	0.0000000000	-90.05
1219	0.001219	0.003170	-0.000829	0.000570	-0.000024	0.000000	0.000000	0.000000	1544	0.009083686	0.000681975	-0.832069666	0.0000000000	-90.00
1220	0.001220	0.003172	-0.000855	0.000528	-0.000023	0.000000	0.000000	0.000000	1545	0.009077537	0.000681727	-0.836146232	0.0000000000	-90.00
1221	0.001221	0.003174	-0.000882	0.000487	-0.000023	0.000000	0.000000	0.000000	1546	0.009071388	0.000681479	-0.840222797	0.0000000000	-90.00
1222	0.001222	0.003177	-0.000908	0.000446	-0.000022	0.000000	0.000000	0.000000	1547	0.009065239	0.000681230	-0.844300362	0.0000000000	-90.00
1223	0.001223	0.003179	-0.000934	0.000404	-0.000022	0.000000	0.000000	0.000000	1548	0.009059090	0.000680982	-0.848377927	0.0000000000	-90.00
1224	0.001224	0.003181	-0.000961	0.000362	-0.000021	0.000000	0.000000	0.000000	1549	0.009052941	0.000680734	-0.852455492	0.0000000000	-90.00
1225	0.001225	0.003184	-0.000987	0.000321	-0.000021	0.000000	0.000000	0.000000	1550	0.009046792	0.000680486	-0.856533057	0.0000000000	-90.00
1226	0.001226	0.003186	-0.001013	0.000279	-0.000020	0.000000	0.000000	0.000000	1551	0.009040643	0.000680238	-0.860610622	0.0000000000	-90.00
1227	0.001227	0.003189	-0.001039	0.000238	-0.000020	0.000000	0.000000	0.000000	1552	0.009034494	0.000679990	-0.864688187	0.0000000000	-90.00
1228	0.001228	0.003191	-0.001065	0.000196	-0.000019	0.000000	0.000000	0.000000	1553	0.009028345	0.000679742	-0.868765752	0.0000000000	-90.00
1229	0.001229	0.003193	-0.001092	0.000154	-0.000018	0.000000	0.000000	0.000000	1554	0.009022196	0.000679494	-0.872843317	0.0000000000	-90.00
1230	0.001230	0.003195	-0.001119	0.000113	-0.000017	0.000000	0.000000	0.000000	1555	0.009016047	0.000679246	-0.876920882	0.0000000000	-90.00
1231	0.001231	0.003198	-0.001145	0.000071	-0.000017	0.000000	0.000000	0.000000	1556	0.009009898	0.000679000	-0.881000447	0.0000000000	-90.00
1232	0.001232	0.003200	-0.001171	0.000030	-0.000016	0.000000	0.000000	0.000000	1557	0.009003749	0.000678752	-0.885080012	0.0000000000	-90.00
1233	0.001233	0.003202	-0.001197	0.000000	-0.000015	0.000000	0.000000	0.000000	1558	0.008997599	0.000678504	-0.889159577	0.0000000000	-90.00
1234	0.001234	0.003205	-0.001223	-0.000004	-0.000015	0.000000	0.000000	0.000000	1559	0.008991450	0.000678256	-0.893239142	0.0000000000	-90.00
1235	0.001235	0.003207	-0.001250	-0.000020	-0.000014	0.000000	0.000000	0.000000	1560	0.008985301	0.000678008	-0.897318707	0.0000000000	-90.00
1236	0.001236	0.003209	-0.001276	-0.000037	-0.000014	0.000000	0.000000	0.000000	1561	0.008979152	0.000677760	-0.901398272	0.0000000000	-90.00
1237	0.001237	0.003212	-0.001302	-0.000079	-0.000013	0.000000	0.000000	0.000000	1562	0.008973003	0.000677512	-0.905477837	0.0000000000	-90.00
1238	0.001238	0.003214	-0.001328	-0.000128	-0.000012	0.000000	0.000000	0.000000	1563	0.008966854	0.000677264	-0.909557402	0.0000000000	-90.00
1239	0.001239	0.003216	-0.001354	-0.000182	-0.000012	0.000000	0.000000	0.000000	1564	0.008960705	0.000677016	-0.913636967	0.0000000000	-90.00
1240	0.001240	0.003219	-0.001380	-0.000236	-0.000011	0.000000	0.000000	0.000000	1565	0.008954556	0.000676768	-0.917716532	0.0000000000	-90.00
1241	0.001241	0.003221	-0.001406	-0.000290	-0.000011	0.000000	0.000000	0.000000	1566	0.008948407	0.000676520	-0.921796097	0.0000000000	-90.00
1242	0.001242	0.003223	-0.001432	-0.000344	-0.000010	0.000000	0.000000	0.000000	1567	0.008942258	0.000676272	-0.925875662	0.0000000000	-90.00
1243	0.001243	0.003226	-0.001458	-0.000398	-0.000010	0.000000	0.000000	0.000000	1568	0.008936109	0.000676024	-0.929955227	0.0000000000	-90.00
1244	0.001244	0.003228	-0.001484	-0.000452	-0.000009	0.000000	0.000000	0.000000	1569</					

1318	0.001318	0.003399	-0.004345	-0.003035	0.000033	0.000000	0.00000000	0.00000000	1643	0.00406021	0.00022629	-0.3813500328	0.0513454727	-76.38
1319	0.001319	0.003400	-0.004346	-0.003036	0.000034	0.000000	0.00000000	0.00000000	1644	0.00406021	0.00022629	-0.3813500328	0.0513454727	-76.38
1320	0.001320	0.003401	-0.004347	-0.003037	0.000035	0.000000	0.00000000	0.00000000	1645	0.00406021	0.00022629	-0.3813500328	0.0513454727	-76.38
1321	0.001321	0.003402	-0.004348	-0.003038	0.000036	0.000000	0.00000000	0.00000000	1646	0.00406021	0.00022629	-0.3813500328	0.0513454727	-76.38
1322	0.001322	0.003403	-0.004349	-0.003039	0.000037	0.000000	0.00000000	0.00000000	1647	0.00406021	0.00022629	-0.3813500328	0.0513454727	-76.38
1323	0.001323	0.003411	-0.004348	-0.003048	0.000038	0.000000	0.00000000	0.00000000	1648	0.00406021	0.00022629	-0.3813500328	0.0513454727	-76.38
1324	0.001324	0.003413	-0.004349	-0.003050	0.000039	0.000000	0.00000000	0.00000000	1649	0.00406021	0.00022629	-0.3813500328	0.0513454727	-76.38
1325	0.001325	0.003415	-0.004313	-0.003051	0.000040	0.000000	0.00000000	0.00000000	1650	0.00406021	0.00022629	-0.3813500328	0.0513454727	-76.38
1326	0.001326	0.003418	-0.004337	-0.003053	0.000036	0.000000	0.00000000	0.00000000	1651	0.004054816	0.000220955	-0.3054488720	0.0507381862	-75.45
1327	0.001327	0.003420	-0.004361	-0.003055	0.000037	0.000000	0.00000000	0.00000000	1652	0.004054816	0.000220955	-0.3054488720	0.0507381862	-75.45
1328	0.001328	0.003422	-0.004384	-0.003057	0.000038	0.000000	0.00000000	0.00000000	1653	0.004054799	0.000219742	-0.2856843901	0.0506768598	-75.22
1329	0.001329	0.003424	-0.004408	-0.003058	0.000037	0.000000	0.00000000	0.00000000	1654	0.004038568	0.000219151	-0.2759831084	0.0505123237	-75.11
1330	0.001330	0.003427	-0.004432	-0.003059	0.000038	0.000000	0.00000000	0.00000000	1655	0.004038568	0.000219151	-0.2759831084	0.0505123237	-75.11
1331	0.001331	0.003429	-0.004456	-0.003060	0.000039	0.000000	0.00000000	0.00000000	1656	0.004038669	0.000218002	-0.2660576047	0.0503626244	-74.88
1332	0.001332	0.003431	-0.004480	-0.003061	0.000040	0.000000	0.00000000	0.00000000	1657	0.004038669	0.000218002	-0.2660576047	0.0503626244	-74.88
1333	0.001333	0.003433	-0.004503	-0.003062	0.000041	0.000000	0.00000000	0.00000000	1658	0.004038669	0.000218002	-0.2660576047	0.0503626244	-74.88
1334	0.001334	0.003436	-0.004526	-0.003063	0.000042	0.000000	0.00000000	0.00000000	1659	0.004038669	0.000218002	-0.2660576047	0.0503626244	-74.88
1335	0.001335	0.003438	-0.004549	-0.003064	0.000043	0.000000	0.00000000	0.00000000	1660	0.004038669	0.000218002	-0.2660576047	0.0503626244	-74.88
1336	0.001336	0.003440	-0.004572	-0.003065	0.000044	0.000000	0.00000000	0.00000000	1661	0.004037283	0.000215318	-0.2503180629	0.0498938008	-74.31
1337	0.001337	0.003443	-0.004595	-0.003066	0.000045	0.000000	0.00000000	0.00000000	1662	0.004035996	0.000214815	-0.1950197387	0.0489151263	-74.20
1338	0.001338	0.003445	-0.004618	-0.003067	0.000046	0.000000	0.00000000	0.00000000	1663	0.004035996	0.000214815	-0.1950197387	0.0489151263	-74.20
1339	0.001339	0.003447	-0.004641	-0.003068	0.000047	0.000000	0.00000000	0.00000000	1664	0.004029623	0.000213840	-0.1742808334	0.0487669548	-73.97
1340	0.001340	0.003449	-0.004664	-0.003069	0.000048	0.000000	0.00000000	0.00000000	1665	0.004029623	0.000213840	-0.1742808334	0.0487669548	-73.97
1341	0.001341	0.003452	-0.004687	-0.003070	0.000049	0.000000	0.00000000	0.00000000	1666	0.004029623	0.000213840	-0.1742808334	0.0487669548	-73.97
1342	0.001342	0.003454	-0.004710	-0.003071	0.000050	0.000000	0.00000000	0.00000000	1667	0.004028193	0.000212461	-0.1428324648	0.0484553737	-73.64
1343	0.001343	0.003456	-0.004733	-0.003072	0.000051	0.000000	0.00000000	0.00000000	1668	0.004028193	0.000212461	-0.1428324648	0.0484553737	-73.64
1344	0.001344	0.003459	-0.004756	-0.003073	0.000052	0.000000	0.00000000	0.00000000	1669	0.004028193	0.000212461	-0.1428324648	0.0484553737	-73.64
1345	0.001345	0.003461	-0.004779	-0.003074	0.000053	0.000000	0.00000000	0.00000000	1670	0.004281434	0.000211162	-0.1110304644	0.0482521237	-73.30
1346	0.001346	0.003463	-0.004802	-0.003075	0.000054	0.000000	0.00000000	0.00000000	1671	0.004279864	0.000210779	-0.1003266521	0.0480514743	-73.19
1347	0.001347	0.003465	-0.004825	-0.003076	0.000055	0.000000	0.00000000	0.00000000	1672	0.004279864	0.000210779	-0.1003266521	0.0480514743	-73.19
1348	0.001348	0.003467	-0.004848	-0.003077	0.000056	0.000000	0.00000000	0.00000000	1673	0.004279864	0.000210779	-0.1003266521	0.0480514743	-73.19
1349	0.001349	0.003470	-0.004871	-0.003078	0.000057	0.000000	0.00000000	0.00000000	1674	0.004275402	0.000209635	-0.0880106234	0.0478027387	-72.86
1350	0.001350	0.003472	-0.004894	-0.003079	0.000058	0.000000	0.00000000	0.00000000	1675	0.004274436	0.000209276	-0.0761712602	0.0475999804	-72.75
1351	0.001351	0.003474	-0.004917	-0.003080	0.000059	0.000000	0.00000000	0.00000000	1676	0.004274436	0.000209276	-0.0761712602	0.0475999804	-72.75
1352	0.001352	0.003477	-0.004940	-0.003081	0.000060	0.000000	0.00000000	0.00000000	1677	0.004273163	0.000208993	-0.0639339158	0.0474016287	-72.53
1353	0.001353	0.003479	-0.004963	-0.003082	0.000061	0.000000	0.00000000	0.00000000	1678	0.004273163	0.000208993	-0.0639339158	0.0474016287	-72.53
1354	0.001354	0.003481	-0.004986	-0.003083	0.000062	0.000000	0.00000000	0.00000000	1679	0.004272779	0.000208765	-0.1344468113	0.0472004627	-72.30
1355	0.001355	0.003483	-0.005010	-0.003084	0.000063	0.000000	0.00000000	0.00000000	1680	0.004272304	0.000208537	-0.0024845263	0.0469979811	-72.21
1356	0.001356	0.003485	-0.005033	-0.003085	0.000064	0.000000	0.00000000	0.00000000	1681	0.004272304	0.000208537	-0.0024845263	0.0469979811	-72.21
1357	0.001357	0.003488	-0.005056	-0.003086	0.000065	0.000000	0.00000000	0.00000000	1682	0.004272304	0.000208537	-0.0024845263	0.0469979811	-72.21
1358	0.001358	0.003490	-0.005079	-0.003087	0.000066	0.000000	0.00000000	0.00000000	1683	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1359	0.001359	0.003493	-0.005102	-0.003088	0.000067	0.000000	0.00000000	0.00000000	1684	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1360	0.001360	0.003495	-0.005125	-0.003089	0.000068	0.000000	0.00000000	0.00000000	1685	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1361	0.001361	0.003497	-0.005148	-0.003090	0.000069	0.000000	0.00000000	0.00000000	1686	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1362	0.001362	0.003499	-0.005171	-0.003091	0.000070	0.000000	0.00000000	0.00000000	1687	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1363	0.001363	0.003502	-0.005194	-0.003092	0.000071	0.000000	0.00000000	0.00000000	1688	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1364	0.001364	0.003504	-0.005217	-0.003093	0.000072	0.000000	0.00000000	0.00000000	1689	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1365	0.001365	0.003506	-0.005240	-0.003094	0.000073	0.000000	0.00000000	0.00000000	1690	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1366	0.001366	0.003508	-0.005263	-0.003095	0.000074	0.000000	0.00000000	0.00000000	1691	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1367	0.001367	0.003511	-0.005286	-0.003096	0.000075	0.000000	0.00000000	0.00000000	1692	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1368	0.001368	0.003513	-0.005309	-0.003097	0.000076	0.000000	0.00000000	0.00000000	1693	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1369	0.001369	0.003515	-0.005332	-0.003098	0.000077	0.000000	0.00000000	0.00000000	1694	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1370	0.001370	0.003517	-0.005355	-0.003099	0.000078	0.000000	0.00000000	0.00000000	1695	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1371	0.001371	0.003519	-0.005378	-0.003100	0.000079	0.000000	0.00000000	0.00000000	1696	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1372	0.001372	0.003522	-0.005401	-0.003101	0.000080	0.000000	0.00000000	0.00000000	1697	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1373	0.001373	0.003524	-0.005424	-0.003102	0.000081	0.000000	0.00000000	0.00000000	1698	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1374	0.001374	0.003526	-0.005447	-0.003103	0.000082	0.000000	0.00000000	0.00000000	1699	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1375	0.001375	0.003529	-0.005470	-0.003104	0.000083	0.000000	0.00000000	0.00000000	1700	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1376	0.001376	0.003531	-0.005493	-0.003105	0.000084	0.000000	0.00000000	0.00000000	1701	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1377	0.001377	0.003533	-0.005516	-0.003106	0.000085	0.000000	0.00000000	0.00000000	1702	0.004271919	0.000208317	0.0030898395	0.0468144482	-71.88
1378	0													

1453	0.001453	0.003702	-0.007235	-0.005410	0.000009	0.000000	0.000000	0.000000	1778	0.00517219	0.000231809	1.067652958	0.042015662	-62.38
1454	0.001454	0.003703	-0.007236	-0.005411	0.000009	0.000000	0.000000	0.000000	1779	0.00517220	0.000231810	1.067653000	0.042015662	-62.38
1455	0.001455	0.003707	-0.007271	-0.005400	0.000008	0.000000	0.000000	0.000000	1780	0.00569256	0.00233302	1.096443845	0.041800929	-62.19
1456	0.001456	0.003709	-0.007289	-0.005395	0.000008	0.000000	0.000000	0.000000	1781	0.00595668	0.00234060	1.095756810	0.041828450	-62.10
1457	0.001457	0.003711	-0.007307	-0.005390	0.000008	0.000000	0.000000	0.000000	1782	0.00622343	0.00234827	1.095137214	0.041765795	-62.07
1458	0.001458	0.003713	-0.007325	-0.005383	0.000006	0.000000	0.000000	0.000000	1783	0.00646279	0.00235602	1.114214397	0.041704260	-61.82
1459	0.001459	0.003715	-0.007343	-0.005377	0.000006	0.000000	0.000000	0.000000	1784	0.00676475	0.00236385	1.112327458	0.041642546	-61.83
1460	0.001460	0.003718	-0.007361	-0.005370	0.000007	0.000000	0.000000	0.000000	1785	0.00713932	0.00237176	1.123432146	0.041581175	-61.73
1461	0.001461	0.003720	-0.007379	-0.005363	0.000004	0.000000	0.000000	0.000000	1786	0.00731648	0.00237975	1.1141407454	0.0415194874	-61.64
1462	0.001462	0.003722	-0.007397	-0.005355	0.000005	0.000000	0.000000	0.000000	1787	0.00759623	0.00238766	1.1150426320	0.0414578912	-61.55
1463	0.001463	0.003724	-0.007414	-0.005348	0.000003	0.000000	0.000000	0.000000	1788	0.00787856	0.00239556	1.1193490273	0.041396386	-61.46
1464	0.001464	0.003726	-0.007432	-0.005340	0.000002	0.000000	0.000000	0.000000	1789	0.00816347	0.002403419	1.1181989807	0.0413349732	-61.37
1465	0.001465	0.003729	-0.007450	-0.005333	0.000001	0.000000	0.000000	0.000000	1790	0.00845054	0.00241134	1.1170887981	0.041273811	-61.28
1466	0.001466	0.003731	-0.007467	-0.005326	0.000001	0.000000	0.000000	0.000000	1791	0.00874096	0.00241936	1.1160716314	0.0412124200	-61.19
1467	0.001467	0.003733	-0.007485	-0.005314	0.000000	0.000000	0.000000	0.000000	1792	0.00903354	0.00242731	1.1149383794	0.0411517798	-61.10
1468	0.001468	0.003735	-0.007502	-0.005304	0.000000	0.000000	0.000000	0.000000	1793	0.00932866	0.00243533	1.1132086438	0.0410923484	-61.00
1469	0.001469	0.003737	-0.007519	-0.005295	-0.000001	0.000000	0.000000	0.000000	1794	0.00962631	0.00244342	1.1115110551	0.0410329717	-60.91
1470	0.001470	0.003739	-0.007537	-0.005286	-0.000001	0.000000	0.000000	0.000000	1795	0.00992649	0.00245159	1.1098445509	0.0409744073	-60.82
1471	0.001471	0.003742	-0.007554	-0.005275	-0.000002	0.000000	0.000000	0.000000	1796	0.006022918	0.00246383	1.2284269718	0.0409076256	-60.73
1472	0.001472	0.003744	-0.007571	-0.005264	-0.000003	0.000000	0.000000	0.000000	1797	0.00603439	0.00247264	1.2367776282	0.0408468380	-60.64
1473	0.001473	0.003746	-0.007588	-0.005253	-0.000003	0.000000	0.000000	0.000000	1798	0.006084209	0.00248153	1.2450871891	0.0407863404	-60.55
1474	0.001474	0.003748	-0.007605	-0.005242	-0.000004	0.000000	0.000000	0.000000	1799	0.00611528	0.00249048	1.2532920272	0.0407256329	-60.46
1475	0.001475	0.003750	-0.007622	-0.005231	-0.000005	0.000000	0.000000	0.000000	1800	0.00614646	0.00249950	1.2614478905	0.0406649152	-60.37
1476	0.001476	0.003753	-0.007639	-0.005219	-0.000005	0.000000	0.000000	0.000000	1801	0.00617810	0.00250869	1.2695297124	0.0406042871	-60.28
1477	0.001477	0.003755	-0.007656	-0.005207	-0.000006	0.000000	0.000000	0.000000	1802	0.00620971	0.00251774	1.277652789	0.0405444486	-60.19
1478	0.001478	0.003757	-0.007673	-0.005195	-0.000007	0.000000	0.000000	0.000000	1803	0.00624178	0.00252696	1.2857341184	0.0404848295	-60.10
1479	0.001479	0.003759	-0.007690	-0.005182	-0.000007	0.000000	0.000000	0.000000	1804	0.006274028	0.00253625	1.2938157867	0.0404246398	-60.02
1480	0.001480	0.003761	-0.007707	-0.005169	-0.000008	0.000000	0.000000	0.000000	1805	0.00630652	0.00254561	1.3012238462	0.0403646922	-59.93
1481	0.001481	0.003763	-0.007723	-0.005156	-0.000008	0.000000	0.000000	0.000000	1806	0.006339258	0.00255502	1.308898668	0.0403049795	-59.84
1482	0.001482	0.003766	-0.007740	-0.005142	-0.000009	0.000000	0.000000	0.000000	1807	0.006372235	0.00256451	1.3166834207	0.0402448499	-59.75
1483	0.001483	0.003768	-0.007757	-0.005129	-0.000010	0.000000	0.000000	0.000000	1808	0.006405452	0.00257405	1.3244016520	0.0401849219	-59.66
1484	0.001484	0.003770	-0.007773	-0.005114	-0.000010	0.000000	0.000000	0.000000	1809	0.006438909	0.00258366	1.3321814703	0.0401249577	-59.57
1485	0.001485	0.003772	-0.007790	-0.005100	-0.000011	0.000000	0.000000	0.000000	1810	0.006472603	0.00259332	1.3399311479	0.0400649149	-59.48
1486	0.001486	0.003774	-0.007806	-0.005086	-0.000012	0.000000	0.000000	0.000000	1811	0.006506612	0.00260305	1.3476407389	0.0400049124	-59.39
1487	0.001487	0.003777	-0.007822	-0.005070	-0.000012	0.000000	0.000000	0.000000	1812	0.006540701	0.00261284	1.3553607150	0.0399447301	-59.31
1488	0.001488	0.003779	-0.007839	-0.005055	-0.000013	0.000000	0.000000	0.000000	1813	0.006575103	0.00262268	1.3631348263	0.0398846990	-59.22
1489	0.001489	0.003781	-0.007855	-0.005039	-0.000013	0.000000	0.000000	0.000000	1814	0.006609718	0.00263259	1.3694448116	0.0398246238	-59.13
1490	0.001490	0.003783	-0.007871	-0.005023	-0.000014	0.000000	0.000000	0.000000	1815	0.006644605	0.00264255	1.3756730378	0.0397646374	-59.04
1491	0.001491	0.003785	-0.007887	-0.005007	-0.000015	0.000000	0.000000	0.000000	1816	0.006679714	0.00265257	1.3818972637	0.0397046397	-58.95
1492	0.001492	0.003787	-0.007903	-0.004991	-0.000015	0.000000	0.000000	0.000000	1817	0.006715032	0.00266264	1.3891061411	0.03964461276	-58.87
1493	0.001493	0.003790	-0.007919	-0.004974	-0.000016	0.000000	0.000000	0.000000	1818	0.006750589	0.00267277	1.3963012806	0.03958461340	-58.78
1494	0.001494	0.003792	-0.007935	-0.004958	-0.000016	0.000000	0.000000	0.000000	1819	0.006786314	0.00268295	1.40348348912	0.03952463876	-58.69
1495	0.001495	0.003794	-0.007951	-0.004943	-0.000017	0.000000	0.000000	0.000000	1820	0.006822384	0.00269319	1.4106209903	0.0394647184	-58.61
1496	0.001496	0.003796	-0.007967	-0.004927	-0.000018	0.000000	0.000000	0.000000	1821	0.006858693	0.00270370	1.4169879047	0.03940471562	-58.52
1497	0.001497	0.003798	-0.007982	-0.004911	-0.000019	0.000000	0.000000	0.000000	1822	0.006895079	0.00271431	1.4233958810	0.0393446381	-58.43
1498	0.001498	0.003800	-0.007998	-0.004895	-0.000019	0.000000	0.000000	0.000000	1823	0.006931761	0.00272420	1.4300301654	0.0392845205	-58.35
1499	0.001499	0.003803	-0.008014	-0.004879	-0.000020	0.000000	0.000000	0.000000	1824	0.006968652	0.00273454	1.4368116036	0.03922441967	-58.26
1500	0.001500	0.003805	-0.008029	-0.004864	-0.000020	0.000000	0.000000	0.000000	1825	0.007005785	0.00274513	1.4429565556	0.0391643754	-58.17
1501	0.001501	0.003807	-0.008045	-0.004849	-0.000020	0.000000	0.000000	0.000000	1826	0.007043126	0.00275567	1.4492211973	0.0391043545	-58.09
1502	0.001502	0.003809	-0.008060	-0.004834	-0.000021	0.000000	0.000000	0.000000	1827	0.007080636	0.00276635	1.4555077625	0.03904436029	-58.00
1503	0.001503	0.003811	-0.008076	-0.004819	-0.000022	0.000000	0.000000	0.000000	1828	0.00711847	0.00277788	1.4618162380	0.03898436474	-57.91
1504	0.001504	0.003813	-0.008091	-0.004804	-0.000022	0.000000	0.000000	0.000000	1829	0.00715644	0.00278958	1.4677103647	0.0389243769	-57.83
1505	0.001505	0.003816	-0.008106	-0.004789	-0.000023	0.000000	0.000000	0.000000	1830	0.00719464	0.00280132	1.4737262661	0.03886438214	-57.74
1506	0.001506	0.003818	-0.008121	-0.004773	-0.000023	0.000000	0.000000	0.000000	1831	0.00723305	0.00281305	1.4795496877	0.0388043934	-57.66
1507	0.001507	0.003820	-0.008137	-0.004758	-0.000024	0.000000	0.000000	0.000000	1832	0.00727167	0.00282486	1.485391896	0.0387443982	-57.57
1508	0.001508	0.003822	-0.008152	-0.004742	-0.000024	0.000000	0.000000	0.000000	1833	0.00731057	0.00283671	1.4912910998	0.0386844124	-57.49
1509	0.001509	0.003824	-0.008167	-0.004726	-0.000025	0.000000	0.000000	0.000000	1834	0.007349645	0.00284861	1.4969693187	0.0386244370	-57.40
1510	0.001510	0.003826	-0.008182	-0.004710	-0.000025	0.000000	0.000000	0.000000	1835	0.007388817	0.00286054	1.5026375252	0.0385644521	-57.31
1511	0.001511	0.003828	-0.008197	-0.004693	-0.000026	0.000000	0.000000	0.000000	1836	0.007428234	0.00287262	1.5081939067	0.0385044609	-57.23
1512	0.001512	0.003831	-0.008211	-0.004677	-0.000027	0.000000	0.000000	0.000000	1837	0.007467863	0.00288483	1.5137482686	0.0384444697	-57.14
1513	0.001513	0.003833	-0.008226	-0.004660	-0.000027	0.000000	0.000000	0.000000	1838	0.007507734	0.00289758	1.5192981796	0.0383844781	-57.06
1514	0.001514	0.003835	-0.008241	-0.004643	-0.000027	0.000000	0.000000	0.000000	1839	0.007547784				

1588	0.001588	0.003992	-0.009153	-0.002246	-0.000042	0.000000	0.0000000	0.0000000	1913	0.010840791	0.000376199	1.61916207096	0.0343849821	-51.06
1589	0.001589	0.003992	-0.009153	-0.002246	-0.000042	0.000000	0.0000000	0.0000000	1914	0.010840792	0.000376200	1.61916207100	0.0343849821	-50.91
1590	0.001590	0.003997	-0.009173	-0.002170	-0.000041	0.000000	0.0000000	0.0000000	1915	0.010440043	0.000378499	1.61899632048	0.0342832097	-50.80
1591	0.001591	0.003999	-0.009182	-0.002132	-0.000041	0.000000	0.0000000	0.0000000	1916	0.010180284	0.000379645	1.61880146793	0.0342218119	-50.92
1592	0.001592	0.004001	-0.009192	-0.002095	-0.000041	0.000000	0.0000000	0.0000000	1917	0.011420210	0.000380788	1.61878696864	0.0341815195	-50.74
1593	0.001593	0.004003	-0.009201	-0.002056	-0.000041	0.000000	0.0000000	0.0000000	1918	0.011190180	0.000381929	1.61868870336	0.0341306925	-50.67
1594	0.001594	0.004005	-0.009211	-0.002016	-0.000041	0.000000	0.0000000	0.0000000	1919	0.011240192	0.000383066	1.61859752105	0.0340800007	-50.59
1595	0.001595	0.004007	-0.009220	-0.001978	-0.000040	0.000000	0.0000000	0.0000000	1920	0.011280243	0.000384201	1.61844472727	0.0340296040	-50.52
1596	0.001596	0.004009	-0.009230	-0.001939	-0.000040	0.000000	0.0000000	0.0000000	1921	0.011340331	0.000385333	1.61831048006	0.0339790223	-50.44
1597	0.001597	0.004011	-0.009239	-0.001900	-0.000040	0.000000	0.0000000	0.0000000	1922	0.011390454	0.000386462	1.61817633729	0.0339283155	-50.37
1598	0.001598	0.004013	-0.009248	-0.001861	-0.000040	0.000000	0.0000000	0.0000000	1923	0.011440609	0.000387598	1.61803218758	0.03387762335	-50.29
1599	0.001599	0.004015	-0.009257	-0.001822	-0.000040	0.000000	0.0000000	0.0000000	1924	0.011490784	0.000388711	1.61788732948	0.0338269261	-50.22
1600	0.001600	0.004018	-0.009266	-0.001783	-0.000039	0.000000	0.0000000	0.0000000	1925	0.0115410107	0.000389820	1.61774272350	0.0337774334	-50.14
1601	0.001601	0.004020	-0.009274	-0.001743	-0.000039	0.000000	0.0000000	0.0000000	1926	0.011591246	0.000390946	1.61759849812	0.0337277350	-50.07
1602	0.001602	0.004022	-0.009284	-0.001703	-0.000039	0.000000	0.0000000	0.0000000	1927	0.011641438	0.000392079	1.61745463911	0.0336777710	-50.00
1603	0.001603	0.004024	-0.009293	-0.001664	-0.000039	0.000000	0.0000000	0.0000000	1928	0.011691791	0.000393199	1.61731091603	0.0336277412	-49.92
1604	0.001604	0.004026	-0.009302	-0.001624	-0.000038	0.000000	0.0000000	0.0000000	1929	0.011742042	0.000394274	1.61696711008	0.0335778505	-49.85
1605	0.001605	0.004028	-0.009311	-0.001584	-0.000038	0.000000	0.0000000	0.0000000	1930	0.011792409	0.000395376	1.61672149366	0.0335279439	-49.77
1606	0.001606	0.004030	-0.009320	-0.001544	-0.000038	0.000000	0.0000000	0.0000000	1931	0.011842741	0.000396475	1.61655133980	0.0334780361	-49.70
1607	0.001607	0.004032	-0.009328	-0.001504	-0.000037	0.000000	0.0000000	0.0000000	1932	0.011893084	0.000397570	1.61633337391	0.0334280421	-49.63
1608	0.001608	0.004034	-0.009337	-0.001464	-0.000037	0.000000	0.0000000	0.0000000	1933	0.011943436	0.000398661	1.61610831205	0.0333780518	-49.55
1609	0.001609	0.004036	-0.009345	-0.001424	-0.000037	0.000000	0.0000000	0.0000000	1934	0.011993795	0.000399748	1.61587970744	0.0333280591	-49.48
1610	0.001610	0.004038	-0.009354	-0.001384	-0.000036	0.000000	0.0000000	0.0000000	1935	0.012044159	0.000400821	1.61565035948	0.0332780678	-49.41
1611	0.001611	0.004040	-0.009362	-0.001344	-0.000036	0.000000	0.0000000	0.0000000	1936	0.012094527	0.000401910	1.61542091910	0.0332280719	-49.33
1612	0.001612	0.004043	-0.009370	-0.001303	-0.000035	0.000000	0.0000000	0.0000000	1937	0.012144881	0.000402985	1.61519135604	0.0331780825	-49.26
1613	0.001613	0.004045	-0.009378	-0.001263	-0.000035	0.000000	0.0000000	0.0000000	1938	0.012195255	0.000404056	1.61497136521	0.0331280916	-49.19
1614	0.001614	0.004047	-0.009386	-0.001222	-0.000035	0.000000	0.0000000	0.0000000	1939	0.012245613	0.000405122	1.61464018412	0.0330780951	-49.11
1615	0.001615	0.004049	-0.009394	-0.001182	-0.000035	0.000000	0.0000000	0.0000000	1940	0.012295965	0.000406185	1.61432051877	0.0330280974	-49.04
1616	0.001616	0.004051	-0.009402	-0.001141	-0.000034	0.000000	0.0000000	0.0000000	1941	0.012346307	0.000407243	1.61400492320	0.0329780988	-48.97
1617	0.001617	0.004053	-0.009410	-0.001100	-0.000034	0.000000	0.0000000	0.0000000	1942	0.012396637	0.000408296	1.61368745836	0.0329280955	-48.82
1618	0.001618	0.004055	-0.009418	-0.001059	-0.000033	0.000000	0.0000000	0.0000000	1943	0.012446954	0.000409345	1.61337020928	0.0328780918	-48.75
1619	0.001619	0.004057	-0.009426	-0.001019	-0.000033	0.000000	0.0000000	0.0000000	1944	0.012497253	0.000410390	1.61305342813	0.0328280899	-48.68
1620	0.001620	0.004059	-0.009434	-0.000978	-0.000033	0.000000	0.0000000	0.0000000	1945	0.012547574	0.000411430	1.61273623902	0.0327780872	-48.61
1621	0.001621	0.004061	-0.009442	-0.000938	-0.000032	0.000000	0.0000000	0.0000000	1946	0.012597832	0.000412465	1.61241912848	0.0327280845	-48.54
1622	0.001622	0.004063	-0.009449	-0.000898	-0.000032	0.000000	0.0000000	0.0000000	1947	0.012648029	0.000413495	1.61210218212	0.0326780818	-48.47
1623	0.001623	0.004065	-0.009456	-0.000858	-0.000031	0.000000	0.0000000	0.0000000	1948	0.012698239	0.000414521	1.61178519209	0.0326280791	-48.40
1624	0.001624	0.004067	-0.009464	-0.000818	-0.000031	0.000000	0.0000000	0.0000000	1949	0.012748407	0.000415542	1.61146825533	0.0325780764	-48.33
1625	0.001625	0.004070	-0.009471	-0.000777	-0.000030	0.000000	0.0000000	0.0000000	1950	0.012798571	0.000416557	1.61115115925	0.0325280737	-48.26
1626	0.001626	0.004072	-0.009479	-0.000737	-0.000030	0.000000	0.0000000	0.0000000	1951	0.012848789	0.000417568	1.61083403617	0.0324780710	-48.19
1627	0.001627	0.004074	-0.009485	-0.000698	-0.000029	0.000000	0.0000000	0.0000000	1952	0.012898971	0.000418574	1.61051642342	0.0324280683	-48.12
1628	0.001628	0.004076	-0.009493	-0.000658	-0.000029	0.000000	0.0000000	0.0000000	1953	0.012949186	0.000419575	1.61019871777	0.0323780656	-48.05
1629	0.001629	0.004078	-0.009501	-0.000618	-0.000029	0.000000	0.0000000	0.0000000	1954	0.012999370	0.000420570	1.60988122852	0.0323280629	-47.98
1630	0.001630	0.004080	-0.009507	-0.000578	-0.000028	0.000000	0.0000000	0.0000000	1955	0.013049582	0.000421560	1.60956343988	0.0322780602	-47.91
1631	0.001631	0.004082	-0.009514	-0.000538	-0.000027	0.000000	0.0000000	0.0000000	1956	0.013099790	0.000422545	1.60924565255	0.0322280575	-47.84
1632	0.001632	0.004084	-0.009520	-0.000498	-0.000027	0.000000	0.0000000	0.0000000	1957	0.013149969	0.000423526	1.60892786519	0.0321780548	-47.77
1633	0.001633	0.004086	-0.009527	-0.000458	-0.000027	0.000000	0.0000000	0.0000000	1958	0.013199980	0.000424499	1.60860913219	0.0321280521	-47.70
1634	0.001634	0.004088	-0.009534	-0.000418	-0.000026	0.000000	0.0000000	0.0000000	1959	0.013249948	0.000425467	1.60829038517	0.0320780494	-47.63
1635	0.001635	0.004090	-0.009541	-0.000378	-0.000025	0.000000	0.0000000	0.0000000	1960	0.013299782	0.000426430	1.60797163026	0.0320280467	-47.56
1636	0.001636	0.004092	-0.009547	-0.000337	-0.000025	0.000000	0.0000000	0.0000000	1961	0.013349529	0.000427388	1.60765274629	0.0319780440	-47.49
1637	0.001637	0.004094	-0.009554	-0.000297	-0.000024	0.000000	0.0000000	0.0000000	1962	0.013399217	0.000428340	1.60733381188	0.0319280413	-47.42
1638	0.001638	0.004096	-0.009560	-0.000254	-0.000024	0.000000	0.0000000	0.0000000	1963	0.013448864	0.000429286	1.60701491528	0.0318780386	-47.35
1639	0.001639	0.004098	-0.009566	-0.000212	-0.000023	0.000000	0.0000000	0.0000000	1964	0.013498464	0.000430226	1.60669606325	0.0318280359	-47.28
1640	0.001640	0.004101	-0.009573	-0.000170	-0.000023	0.000000	0.0000000	0.0000000	1965	0.013548036	0.000431160	1.60637719162	0.0317780332	-47.21
1641	0.001641	0.004103	-0.009579	-0.000129	-0.000022	0.000000	0.0000000	0.0000000	1966	0.013597583	0.000432089	1.60605832831	0.0317280305	-47.14
1642	0.001642	0.004105	-0.009585	-0.000088	-0.000022	0.000000	0.0000000	0.0000000	1967	0.013647110	0.000433011	1.60573946825	0.0316780278	-47.07
1643	0.001643	0.004107	-0.009591	-0.000046	-0.000021	0.000000	0.0000000	0.0000000	1968	0.013696610	0.000433928	1.60542061332	0.0316280251	-47.00
1644	0.001644	0.004109	-0.009597	0.000001	-0.000021	0.000000	0.0000000	0.0000000	1969	0.013746144	0.000434838	1.60510175928	0.0315780224	-46.93
1645	0.001645	0.004111	-0.009603	0.000059	-0.000020	0.000000	0.0000000	0.0000000	1970	0.013795650	0.000435743	1.60478281122	0.0315280197	-46.86
1646	0.001646	0.004113	-0.009609	0.000099	-0.000019	0.000000	0.0000000	0.0000000	1971	0.013845145	0.000436641	1.60446391414	0.0314780170	-46.79
1647	0.001647	0.004115	-0.009615	0.000139	-0.000018	0.000000	0.0000000	0.0000000	1972	0.013894644	0.000437533	1.60414501480	0.0314280143	-46.72

1723	0.001723	0.004269	-0.009841	0.003106	0.000027	0.000000	0.00000000	0.00000000	2048	0.017188915	0.000483701	0.9899924394	0.0281403129	-41.78
1724	0.001724	0.004271	-0.009841	0.003106	0.000027	0.000000	0.00000000	0.00000000	2049	0.017226678	0.000483689	0.9899924394	0.0281403129	-41.77
1725	0.001725	0.004273	-0.009842	0.0031074	0.000028	0.000000	0.00000000	0.00000000	2050	0.017260210	0.000484268	0.9792716179	0.0280568214	-41.65
1726	0.001726	0.004275	-0.009842	0.0031078	0.000028	0.000000	0.00000000	0.00000000	2051	0.017295479	0.000484537	0.9843338872	0.0280153629	-41.59
1727	0.001727	0.004277	-0.009841	0.0031084	0.000029	0.000000	0.00000000	0.00000000	2052	0.017330404	0.000484738	0.9852776903	0.0279733353	-41.53
1728	0.001728	0.004279	-0.009841	0.0031275	0.000029	0.000000	0.00000000	0.00000000	2053	0.017365248	0.000485000	0.9740709688	0.0279322502	-41.47
1729	0.001729	0.004281	-0.009841	0.0031308	0.000030	0.000000	0.00000000	0.00000000	2054	0.017399745	0.000485252	0.9384323267	0.0278907187	-41.41
1730	0.001730	0.004283	-0.009841	0.0031341	0.000030	0.000000	0.00000000	0.00000000	2055	0.017433982	0.000485506	0.9229730269	0.0278493297	-41.34
1731	0.001731	0.004285	-0.009841	0.0031374	0.000031	0.000000	0.00000000	0.00000000	2056	0.017467895	0.000485750	0.9521017268	0.0278080800	-41.28
1732	0.001732	0.004287	-0.009841	0.0031407	0.000031	0.000000	0.00000000	0.00000000	2057	0.017501954	0.000485996	0.9652774880	0.0277668277	-41.22
1733	0.001733	0.004289	-0.009840	0.0031439	0.000032	0.000000	0.00000000	0.00000000	2058	0.017535107	0.000486172	0.98305041962	0.0277256365	-41.16
1734	0.001734	0.004291	-0.009839	0.0031471	0.000032	0.000000	0.00000000	0.00000000	2059	0.017568282	0.000486369	0.8474708213	0.0276840264	-41.10
1735	0.001735	0.004293	-0.009838	0.0031504	0.000032	0.000000	0.00000000	0.00000000	2060	0.017601117	0.000486517	0.9858804374	0.0276434374	-41.04
1736	0.001736	0.004295	-0.009838	0.0031536	0.000033	0.000000	0.00000000	0.00000000	2061	0.017633820	0.000486736	0.8770477795	0.0276028420	-40.98
1737	0.001737	0.004297	-0.009837	0.0031568	0.000033	0.000000	0.00000000	0.00000000	2062	0.017666100	0.000486965	0.8891109889	0.0275614820	-40.92
1738	0.001738	0.004299	-0.009836	0.0031600	0.000033	0.000000	0.00000000	0.00000000	2063	0.017698255	0.000487067	0.9723097965	0.0275207965	-40.86
1739	0.001739	0.004301	-0.009835	0.0031632	0.000034	0.000000	0.00000000	0.00000000	2064	0.017730702	0.000487218	0.9853378043	0.0274797966	-40.80
1740	0.001740	0.004303	-0.009834	0.0031664	0.000035	0.000000	0.00000000	0.00000000	2065	0.017763162	0.000487361	0.91414330279	0.0274390453	-40.74
1741	0.001741	0.004304	-0.009833	0.0031696	0.000035	0.000000	0.00000000	0.00000000	2066	0.017795281	0.000487494	0.8324961381	0.0273982994	-40.67
1742	0.001742	0.004306	-0.009832	0.0031721	0.000035	0.000000	0.00000000	0.00000000	2067	0.01782818	0.000487618	0.8423507889	0.0273576550	-40.61
1743	0.001743	0.004308	-0.009831	0.0031745	0.000035	0.000000	0.00000000	0.00000000	2068	0.017860480	0.000487733	0.8145087448	0.0273170708	-40.55
1744	0.001744	0.004310	-0.009829	0.0031769	0.000036	0.000000	0.00000000	0.00000000	2069	0.017892889	0.000487838	0.8054891699	0.0272765469	-40.49
1745	0.001745	0.004312	-0.009828	0.0031793	0.000036	0.000000	0.00000000	0.00000000	2070	0.017925190	0.000487935	0.7764262625	0.0272360300	-40.43
1746	0.001746	0.004314	-0.009827	0.0031817	0.000036	0.000000	0.00000000	0.00000000	2071	0.017957482	0.000488022	0.7873756845	0.0271955192	-40.37
1747	0.001747	0.004316	-0.009825	0.0031841	0.000037	0.000000	0.00000000	0.00000000	2072	0.017989784	0.000488100	0.7783125021	0.0271550353	-40.31
1748	0.001748	0.004318	-0.009823	0.0031865	0.000037	0.000000	0.00000000	0.00000000	2073	0.018021984	0.000488189	0.7692158450	0.0271145513	-40.25
1749	0.001749	0.004320	-0.009822	0.0031889	0.000038	0.000000	0.00000000	0.00000000	2074	0.018054286	0.000488228	0.7601010770	0.0270740270	-40.19
1750	0.001750	0.004322	-0.009820	0.0031913	0.000038	0.000000	0.00000000	0.00000000	2075	0.018086588	0.000488278	0.7309868616	0.0270334624	-40.13
1751	0.001751	0.004324	-0.009818	0.0031937	0.000038	0.000000	0.00000000	0.00000000	2076	0.018118890	0.000488314	0.7418919622	0.0269928274	-40.08
1752	0.001752	0.004326	-0.009816	0.0031961	0.000039	0.000000	0.00000000	0.00000000	2077	0.018151191	0.000488351	0.7328272419	0.0269521419	-40.02
1753	0.001753	0.004328	-0.009814	0.0031985	0.000040	0.000000	0.00000000	0.00000000	2078	0.018183493	0.000488387	0.7237401628	0.0269114258	-39.96
1754	0.001754	0.004330	-0.009812	0.0032009	0.000040	0.000000	0.00000000	0.00000000	2079	0.018215792	0.000488387	0.7142717907	0.0268707490	-39.90
1755	0.001755	0.004332	-0.009810	0.0032033	0.000040	0.000000	0.00000000	0.00000000	2080	0.018248091	0.000488387	0.7050008499	0.0268304734	-39.84
1756	0.001756	0.004334	-0.009808	0.0032057	0.000040	0.000000	0.00000000	0.00000000	2081	0.018280390	0.000488386	0.6957296587	0.0267902928	-39.78
1757	0.001757	0.004336	-0.009806	0.0032081	0.000040	0.000000	0.00000000	0.00000000	2082	0.018312689	0.000488387	0.6864656241	0.0267501736	-39.72
1758	0.001758	0.004338	-0.009804	0.0032105	0.000040	0.000000	0.00000000	0.00000000	2083	0.018344988	0.000488386	0.6772025928	0.0267100544	-39.66
1759	0.001759	0.004340	-0.009802	0.0032129	0.000040	0.000000	0.00000000	0.00000000	2084	0.018377287	0.000488385	0.6679395615	0.0266699352	-39.60
1760	0.001760	0.004342	-0.009799	0.0032153	0.000040	0.000000	0.00000000	0.00000000	2085	0.018409586	0.000488385	0.6586765345	0.0266298160	-39.54
1761	0.001761	0.004344	-0.009797	0.0032177	0.000040	0.000000	0.00000000	0.00000000	2086	0.018441885	0.000488384	0.6494135030	0.0265896968	-39.48
1762	0.001762	0.004346	-0.009794	0.0032201	0.000041	0.000000	0.00000000	0.00000000	2087	0.018474184	0.000488383	0.6401504716	0.0265495776	-39.43
1763	0.001763	0.004348	-0.009791	0.0032225	0.000041	0.000000	0.00000000	0.00000000	2088	0.018506483	0.000488382	0.6308874402	0.0265094584	-39.37
1764	0.001764	0.004350	-0.009788	0.0032249	0.000041	0.000000	0.00000000	0.00000000	2089	0.018538782	0.000488381	0.6216244088	0.0264693392	-39.31
1765	0.001765	0.004352	-0.009785	0.0032273	0.000041	0.000000	0.00000000	0.00000000	2090	0.018571081	0.000488380	0.6123613774	0.0264292200	-39.25
1766	0.001766	0.004354	-0.009782	0.0032297	0.000041	0.000000	0.00000000	0.00000000	2091	0.018603380	0.000488379	0.6030983460	0.0263891008	-39.19
1767	0.001767	0.004356	-0.009779	0.0032321	0.000041	0.000000	0.00000000	0.00000000	2092	0.018635679	0.000488378	0.5938353146	0.0263489816	-39.13
1768	0.001768	0.004358	-0.009776	0.0032345	0.000042	0.000000	0.00000000	0.00000000	2093	0.018667978	0.000488377	0.5845722832	0.0263088624	-39.08
1769	0.001769	0.004360	-0.009773	0.0032369	0.000042	0.000000	0.00000000	0.00000000	2094	0.018700277	0.000488376	0.5753092518	0.0262687432	-39.02
1770	0.001770	0.004362	-0.009770	0.0032393	0.000042	0.000000	0.00000000	0.00000000	2095	0.018732576	0.000488375	0.5660462204	0.0262286240	-38.96
1771	0.001771	0.004363	-0.009767	0.0032417	0.000042	0.000000	0.00000000	0.00000000	2096	0.018764875	0.000488374	0.5567831890	0.0261885048	-38.90
1772	0.001772	0.004365	-0.009764	0.0032441	0.000042	0.000000	0.00000000	0.00000000	2097	0.018797174	0.000488373	0.5475201576	0.0261483856	-38.84
1773	0.001773	0.004367	-0.009760	0.0032465	0.000042	0.000000	0.00000000	0.00000000	2098	0.018829473	0.000488372	0.5382571262	0.0261082664	-38.78
1774	0.001774	0.004369	-0.009757	0.0032489	0.000043	0.000000	0.00000000	0.00000000	2099	0.018861772	0.000488371	0.5289940948	0.0260681472	-38.73
1775	0.001775	0.004371	-0.009753	0.0032513	0.000043	0.000000	0.00000000	0.00000000	2100	0.018894071	0.000488370	0.5197310634	0.0260280280	-38.67
1776	0.001776	0.004373	-0.009749	0.0032537	0.000043	0.000000	0.00000000	0.00000000	2101	0.018926370	0.000488369	0.5104680320	0.0259879088	-38.62
1777	0.001777	0.004375	-0.009746	0.0032561	0.000043	0.000000	0.00000000	0.00000000	2102	0.018958669	0.000488368	0.5012050006	0.0259477896	-38.56
1778	0.001778	0.004377	-0.009742	0.0032585	0.000043	0.000000	0.00000000	0.00000000	2103	0.018990968	0.000488367	0.4919419692	0.0259076704	-38.50
1779	0.001779	0.004379	-0.009738	0.0032609	0.000043	0.000000	0.00000000	0.00000000	2104	0.019023267	0.000488366	0.4826789378	0.0258675512	-38.44
1780	0.001780	0.004381	-0.009734	0.0032633	0.000043	0.000000	0.00000000	0.00000000	2105	0.019055566	0.000488365	0.4734159064	0.0258274320	-38.38
1781	0.001781	0.004383	-0.009730	0.0032657	0.000043	0.000000	0.00000000	0.00000000	2106	0.019087865	0.000488364	0.4641528750	0.0257873128	-38.33
1782	0.001782	0.004385	-0.009726	0.0032681	0.000043	0.0000								

1858	0.001858	0.004530	-0.005027	0.005453	0.000018	0.000000	0.000000	0.000000	2183	0.019152318	0.00441073	-0.0423819078	0.020292418	-34.19
1859	0.001859	0.004532	-0.005028	0.005454	0.000018	0.000000	0.000000	0.000000	2184	0.019142287	0.00441087	-0.0423962780	0.0202962780	-34.14
1860	0.001860	0.004534	-0.005028	0.005456	0.000017	0.000000	0.000000	0.000000	2185	0.019131812	0.004426204	-0.04239614680	0.02029614680	-34.09
1861	0.001861	0.004536	-0.005017	0.005453	0.000016	0.000000	0.000000	0.000000	2186	0.019120985	0.004436385	-0.0423944867	0.0202944867	-34.04
1862	0.001862	0.004538	-0.005016	0.005455	0.000016	0.000000	0.000000	0.000000	2187	0.019109716	0.004451468	-0.04239437448	0.02029437448	-33.99
1863	0.001863	0.004540	-0.005019	0.005455	0.000015	0.000000	0.000000	0.000000	2188	0.019098184	0.004456574	-0.0423943369	0.0202943369	-33.94
1864	0.001864	0.004542	-0.005019	0.005450	0.000015	0.000000	0.000000	0.000000	2189	0.019086229	0.004459653	-0.0423942486	0.0202942486	-33.89
1865	0.001865	0.004543	-0.005019	0.005450	0.000014	0.000000	0.000000	0.000000	2190	0.019073863	0.004454725	-0.04239436380	0.02029436380	-33.84
1866	0.001866	0.004545	-0.005019	0.005450	0.000013	0.000000	0.000000	0.000000	2191	0.019061115	0.004433790	-0.0423945903	0.0202978459	-33.79
1867	0.001867	0.004547	-0.005019	0.005450	0.000013	0.000000	0.000000	0.000000	2192	0.019047986	0.004432848	-0.04239470923	0.02029470923	-33.74
1868	0.001868	0.004549	-0.005019	0.005389	0.000012	0.000000	0.000000	0.000000	2193	0.019035444	0.004431900	-0.04239477331	0.0202960749	-33.69
1869	0.001869	0.004551	-0.005009	0.005382	0.000012	0.000000	0.000000	0.000000	2194	0.019026212	0.004430945	-0.042393248	0.0202967145	-33.64
1870	0.001870	0.004553	-0.005008	0.005382	0.000011	0.000000	0.000000	0.000000	2195	0.019016349	0.004429983	-0.042391419874	0.02029141987	-33.59
1871	0.001871	0.004555	-0.005007	0.005389	0.000010	0.000000	0.000000	0.000000	2196	0.018991705	0.004429041	-0.04239466980	0.02029466980	-33.54
1872	0.001872	0.004557	-0.005007	0.005382	0.000010	0.000000	0.000000	0.000000	2197	0.018976662	0.004428069	-0.04239458130	0.02029586269	-33.49
1873	0.001873	0.004558	-0.005007	0.005382	0.000009	0.000000	0.000000	0.000000	2198	0.018961279	0.004427057	-0.04239470475	0.0202957715	-33.44
1874	0.001874	0.004560	-0.005007	0.005347	0.000008	0.000000	0.000000	0.000000	2199	0.018946547	0.004426088	-0.04239472570	0.0202949160	-33.39
1875	0.001875	0.004562	-0.005006	0.005339	0.000008	0.000000	0.000000	0.000000	2200	0.018932935	0.004425073	-0.04239411120	0.02029455791	-33.34
1876	0.001876	0.004564	-0.005005	0.005330	0.000007	0.000000	0.000000	0.000000	2201	0.018919296	0.004424072	-0.04239225740	0.02029424867	-33.29
1877	0.001877	0.004566	-0.005015	0.005322	0.000007	0.000000	0.000000	0.000000	2202	0.018905877	0.004423064	-0.042391762490	0.0202969227	-33.24
1878	0.001878	0.004568	-0.005004	0.005313	0.000006	0.000000	0.000000	0.000000	2203	0.018892681	0.004422050	-0.04239082287	0.0202966090	-33.19
1879	0.001879	0.004570	-0.005003	0.005303	0.000005	0.000000	0.000000	0.000000	2204	0.018880608	0.004421029	-0.04239133993	0.0202928446	-33.14
1880	0.001880	0.004571	-0.005002	0.005294	0.000005	0.000000	0.000000	0.000000	2205	0.018868498	0.004420002	-0.04239184611	0.0202962294	-33.09
1881	0.001881	0.004573	-0.005001	0.005284	0.000004	0.000000	0.000000	0.000000	2206	0.018856432	0.004418985	-0.04239130885	0.02029626434	-33.04
1882	0.001882	0.004575	-0.005000	0.005274	0.000003	0.000000	0.000000	0.000000	2207	0.018844363	0.004417930	-0.04239085402	0.02029623463	-32.99
1883	0.001883	0.004577	-0.005000	0.005263	0.000003	0.000000	0.000000	0.000000	2208	0.018832285	0.004416884	-0.04239039571	0.02029619783	-32.94
1884	0.001884	0.004579	-0.005000	0.005252	0.000002	0.000000	0.000000	0.000000	2209	0.018820091	0.004415832	-0.042390446524	0.0202957792	-32.89
1885	0.001885	0.004581	-0.005002	0.005241	0.000001	0.000000	0.000000	0.000000	2210	0.018807897	0.004414775	-0.042390725613	0.0202944889	-32.85
1886	0.001886	0.004583	-0.005001	0.005230	0.000001	0.000000	0.000000	0.000000	2211	0.018795767	0.004413711	-0.042390816616	0.02029028474	-32.80
1887	0.001887	0.004585	-0.005000	0.005218	0.000000	0.000000	0.000000	0.000000	2212	0.018783604	0.004412641	-0.04239073572	0.0202959345	-32.75
1888	0.001888	0.004586	-0.005000	0.005206	0.000000	0.000000	0.000000	0.000000	2213	0.018771460	0.004411566	-0.04239064850	0.0202958703	-32.70
1889	0.001889	0.004588	-0.005001	0.005194	0.000001	0.000000	0.000000	0.000000	2214	0.018759344	0.004410484	-0.04239056814	0.0202963846	-32.65
1890	0.001890	0.004590	-0.005000	0.005181	0.000002	0.000000	0.000000	0.000000	2215	0.018747187	0.004409387	-0.042390483003	0.02029612474	-32.60
1891	0.001891	0.004592	-0.005000	0.005168	0.000002	0.000000	0.000000	0.000000	2216	0.018735068	0.004408283	-0.042390398113	0.0202961298	-32.55
1892	0.001892	0.004594	-0.005000	0.005155	0.000003	0.000000	0.000000	0.000000	2217	0.018722973	0.004407204	-0.042390313087	0.0202961181	-32.51
1893	0.001893	0.004596	-0.005004	0.005141	0.000004	0.000000	0.000000	0.000000	2218	0.018710878	0.004406100	-0.04239022854	0.02029608759	-32.46
1894	0.001894	0.004597	-0.005004	0.005127	0.000004	0.000000	0.000000	0.000000	2219	0.018698799	0.004404989	-0.04239014389	0.02029611419	-32.41
1895	0.001895	0.004599	-0.005010	0.005113	0.000005	0.000000	0.000000	0.000000	2220	0.018686723	0.004403874	-0.04239005923	0.02029617980	-32.36
1896	0.001896	0.004601	-0.005009	0.005098	0.000005	0.000000	0.000000	0.000000	2221	0.018674646	0.004402762	-0.04238997456	0.0202961581	-32.31
1897	0.001897	0.004603	-0.005007	0.005084	0.000006	0.000000	0.000000	0.000000	2222	0.018662568	0.004401625	-0.042389891462	0.0202962282	-32.27
1898	0.001898	0.004605	-0.005007	0.005069	0.000007	0.000000	0.000000	0.000000	2223	0.018650494	0.004400493	-0.04238980909	0.02029619862	-32.22
1899	0.001899	0.004607	-0.005008	0.005054	0.000008	0.000000	0.000000	0.000000	2224	0.018638421	0.004399356	-0.04238972682	0.0202961700	-32.17
1900	0.001900	0.004609	-0.005008	0.005038	0.000008	0.000000	0.000000	0.000000	2225	0.018626346	0.004398212	-0.04238964489	0.020296137456	-32.12
1901	0.001901	0.004610	-0.005007	0.005022	0.000009	0.000000	0.000000	0.000000	2226	0.018614278	0.004397073	-0.04238956281	0.02029609549	-32.07
1902	0.001902	0.004612	-0.005007	0.005006	0.000010	0.000000	0.000000	0.000000	2227	0.018602168	0.004395930	-0.04238948064	0.02029605346	-32.03
1903	0.001903	0.004614	-0.005010	0.004989	0.000010	0.000000	0.000000	0.000000	2228	0.018590058	0.004394790	-0.04238939850	0.02029601152	-31.98
1904	0.001904	0.004616	-0.005009	0.004973	0.000011	0.000000	0.000000	0.000000	2229	0.018577945	0.004393646	-0.04238931636	0.02029596954	-31.93
1905	0.001905	0.004618	-0.005007	0.004955	0.000011	0.000000	0.000000	0.000000	2230	0.018565829	0.004392517	-0.04238923417	0.02029592725	-31.88
1906	0.001906	0.004620	-0.005004	0.004938	0.000012	0.000000	0.000000	0.000000	2231	0.018553733	0.004391342	-0.04238915235	0.02029588501	-31.84
1907	0.001907	0.004621	-0.005001	0.004921	0.000013	0.000000	0.000000	0.000000	2232	0.018541638	0.004390163	-0.04238907061	0.02029584281	-31.79
1908	0.001908	0.004623	-0.005000	0.004902	0.000013	0.000000	0.000000	0.000000	2233	0.018529543	0.004388987	-0.04238898878	0.02029580052	-31.74
1909	0.001909	0.004625	-0.005000	0.004883	0.000014	0.000000	0.000000	0.000000	2234	0.018517448	0.004387809	-0.04238890789	0.02029575824	-31.70
1910	0.001910	0.004627	-0.005000	0.004865	0.000015	0.000000	0.000000	0.000000	2235	0.018505353	0.004386630	-0.04238882695	0.02029571597	-31.65
1911	0.001911	0.004629	-0.005010	0.004846	0.000015	0.000000	0.000000	0.000000	2236	0.018493258	0.004385452	-0.04238874604	0.02029567374	-31.60
1912	0.001912	0.004631	-0.005007	0.004827	0.000016	0.000000	0.000000	0.000000	2237	0.018481163	0.004384273	-0.04238866518	0.02029563148	-31.55
1913	0.001913	0.004632	-0.005004	0.004808	0.000016	0.000000	0.000000	0.000000	2238	0.018469068	0.004383094	-0.04238858438	0.02029558923	-31.51
1914	0.001914	0.004634	-0.005001	0.004788	0.000017	0.000000	0.000000	0.000000	2239	0.018456973	0.004381915	-0.04238850361	0.02029554701	-31.46
1915	0.001915	0.004636	-0.005000	0.004769	0.000017	0.000000	0.000000	0.000000	2240	0.018444878	0.004380736	-0.04238842284	0.02029550479	-31.41
1916	0.001916	0.004638	-0.005000	0.004748	0.000018	0.000000	0.000000	0.000000	2241	0.018432779	0.004379557	-0.04238834207	0.02029546257	-31.37
1917	0.001917	0.004640	-0.005001	0.004727	0.000019	0.000000	0.000000	0.000000	2242	0.018420674	0.004378378	-0.04238826130	0.02029542035	-31.32
1918	0.001918	0.004642	-0.005017	0.004706	0.000019	0.0								

1993	0.001993	0.004776	-0.007336	0.002468	-0.000043	0.000000	0.00000000	0.00000000	2318	0.014623356	0.000275611	-1.0117627003	0.0188473032	-27.98
1994	0.001994	0.004779	-0.007319	0.002451	-0.000043	0.000000	0.00000000	0.00000000	2319	0.014569979	0.000274187	-1.0141426122	0.0188183438	-27.94
1995	0.001995	0.004780	-0.007301	0.002393	-0.000043	0.000000	0.00000000	0.00000000	2320	0.014516395	0.000272784	-1.0164701125	0.0187914260	-27.90
1996	0.001996	0.004782	-0.007283	0.002366	-0.000043	0.000000	0.00000000	0.00000000	2321	0.014462605	0.000271370	-1.0187446157	0.0187635495	-27.86
1997	0.001997	0.004783	-0.007264	0.002318	-0.000043	0.000000	0.00000000	0.00000000	2322	0.014408613	0.000269966	-1.0209663398	0.0187357144	-27.81
1998	0.001998	0.004785	-0.007246	0.002280	-0.000043	0.000000	0.00000000	0.00000000	2323	0.014354421	0.000268541	-1.0231353064	0.0187079206	-27.77
1999	0.001999	0.004787	-0.007228	0.002243	-0.000043	0.000000	0.00000000	0.00000000	2324	0.014300032	0.000267127	-1.0252915364	0.0186801680	-27.73
2000	0.002000	0.004789	-0.007210	0.002205	-0.000043	0.000000	0.00000000	0.00000000	2325	0.014245446	0.000265713	-1.0273710094	0.0186524696	-27.69