

# Particle dynamics

Sheet1 cell address that store data for F(x) dependency

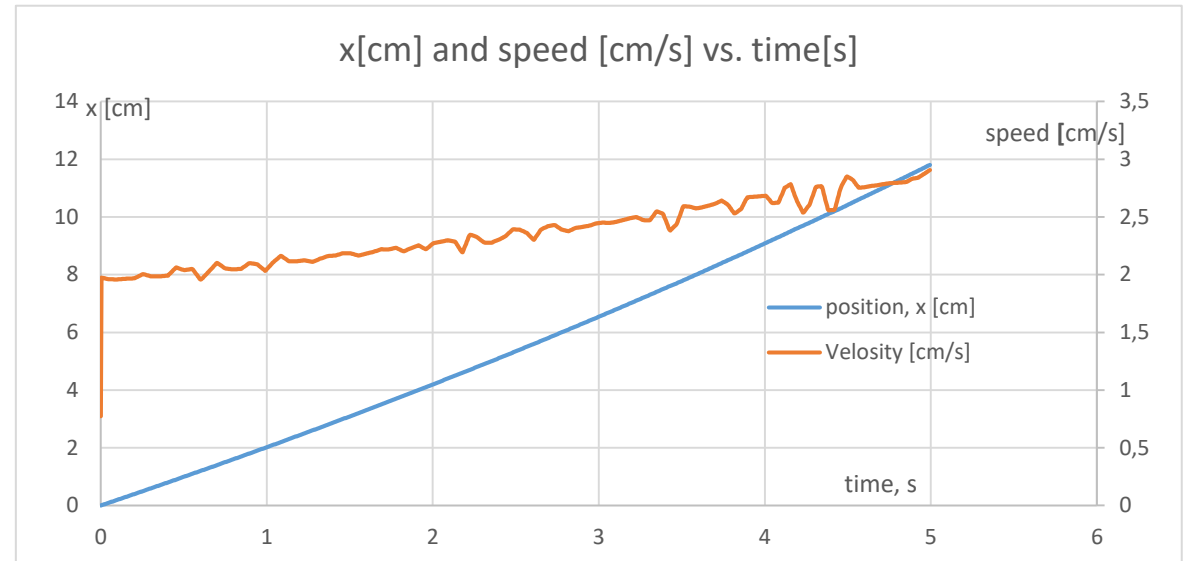
	Column	start	end
x	A	5	1204
force	D		

## Initial values

initial position x	0 [cm]
velocity v	0 [cm/s]
saline density	1 g/cm <sup>3</sup>
particle diameter	100 nm
particle density	8,9 g/cm <sup>3</sup>
Drag coefficient (sphere)	0,47
particle weight	4,57E-17 N

**Time step** 0,00005 s

time	position, x [cm]	Magnetic force [N]	Drag force [N]	Velocity [cm/s]	Acceleration [cm/s/s]
0	0			0	
0,00005	3,86492E-05	7,2E-16	-1,103E-16	0,772983466	154,5967
0,00505	0,009873764	7,19E-16	-7,193E-16	1,97406658	-0,00326
0,01005	0,019739983	7,18E-16	-7,181E-16	1,972437061	-0,00326
0,01505	0,029598054	7,17E-16	-7,169E-16	1,970807543	-0,00326
0,02005	0,039447977	7,16E-16	-7,157E-16	1,969178024	-0,00326
0,02505	0,049289752	7,14E-16	-7,145E-16	1,967548505	-0,00326
0,03005	0,05912338	7,13E-16	-7,133E-16	1,965918986	-0,00326
0,03505	0,068948861	7,12E-16	-7,121E-16	1,964289468	-0,00326
0,04005	0,078766193	7,11E-16	-7,11E-16	1,962659949	-0,00326
0,04505	0,088575379	7,1E-16	-7,098E-16	1,96103043	-0,00326
0,05005	0,098376416	7,09E-16	-7,086E-16	1,959400911	-0,00326



0,05505	0,108172028	7,08E-16	-7,084E-16	1,959080551	-7,1E-05
0,06005	0,11796734	7,08E-16	-7,083E-16	1,959044919	-7,1E-05
0,06505	0,127762475	7,08E-16	-7,083E-16	1,959009287	-7,1E-05
0,07005	0,137557431	7,08E-16	-7,083E-16	1,958973655	-7,1E-05
0,07505	0,14735221	7,08E-16	-7,083E-16	1,958938023	-7,1E-05
0,08005	0,15714681	7,08E-16	-7,082E-16	1,958902391	-7,1E-05
0,08505	0,166941232	7,08E-16	-7,082E-16	1,958866759	-7,1E-05
0,09005	0,176735476	7,08E-16	-7,082E-16	1,958831127	-7,1E-05
0,09505	0,186529541	7,08E-16	-7,082E-16	1,958795495	-7,1E-05
0,10005	0,196323429	7,08E-16	-7,081E-16	1,958759863	-7,1E-05
0,10505	0,206117692	7,08E-16	-7,084E-16	1,959080504	0,001094
0,11005	0,215914475	7,09E-16	-7,088E-16	1,959627308	0,001094
0,11505	0,225713992	7,09E-16	-7,092E-16	1,960174112	0,001094
0,12005	0,235516244	7,1E-16	-7,096E-16	1,960720916	0,001094
0,12505	0,245321229	7,1E-16	-7,1E-16	1,96126772	0,001094
0,13005	0,255128948	7,1E-16	-7,104E-16	1,961814524	0,001094
0,13505	0,264939401	7,11E-16	-7,107E-16	1,962361328	0,001094
0,14005	0,274752589	7,11E-16	-7,111E-16	1,962908132	0,001094
0,14505	0,28456851	7,12E-16	-7,115E-16	1,963454936	0,001094
0,15005	0,294387166	7,12E-16	-7,119E-16	1,96400174	0,001094
0,15505	0,304208487	7,12E-16	-7,123E-16	1,964484682	0,000786
0,16005	0,314031903	7,13E-16	-7,126E-16	1,964877825	0,000786
0,16505	0,323857285	7,13E-16	-7,129E-16	1,965270968	0,000786
0,17005	0,333684632	7,13E-16	-7,131E-16	1,965664111	0,000786
0,17505	0,343513946	7,13E-16	-7,134E-16	1,966057254	0,000786
0,18005	0,353345225	7,14E-16	-7,137E-16	1,966450397	0,000786
0,18505	0,363178469	7,14E-16	-7,14E-16	1,96684354	0,000786
0,19005	0,37301368	7,14E-16	-7,143E-16	1,967236682	0,000786
0,19505	0,382850856	7,15E-16	-7,146E-16	1,967629825	0,000786
0,20005	0,392689998	7,15E-16	-7,149E-16	1,968022968	0,000786
0,20505	0,402531611	7,16E-16	-7,157E-16	1,96921073	0,007291
0,21005	0,412386869	7,18E-16	-7,184E-16	1,972856038	0,007291
0,21505	0,422260353	7,21E-16	-7,21E-16	1,976501346	0,007291

0,22005	0,432152065	7,24E-16	-7,237E-16	1,980146654	0,007291
0,22505	0,442062002	7,26E-16	-7,264E-16	1,983791962	0,007291
0,23005	0,451990166	7,29E-16	-7,29E-16	1,98743727	0,007291
0,23505	0,461936557	7,32E-16	-7,317E-16	1,991082578	0,007291
0,24005	0,471901174	7,34E-16	-7,344E-16	1,994727885	0,007291
0,24505	0,481884018	7,37E-16	-7,371E-16	1,998373193	0,007291
0,25005	0,491885089	7,4E-16	-7,398E-16	2,0020185	0,007291
0,25505	0,501903915	7,42E-16	-7,417E-16	2,004658986	-0,00404
0,26005	0,511922106	7,4E-16	-7,402E-16	2,002637617	-0,00404
0,26505	0,52193019	7,39E-16	-7,387E-16	2,000616249	-0,00404
0,27005	0,531928167	7,37E-16	-7,372E-16	1,998594881	-0,00404
0,27505	0,541916037	7,36E-16	-7,357E-16	1,996573513	-0,00404
0,28005	0,551893801	7,34E-16	-7,343E-16	1,994552144	-0,00404
0,28505	0,561861458	7,33E-16	-7,328E-16	1,992530776	-0,00404
0,29005	0,571819008	7,31E-16	-7,313E-16	1,990509408	-0,00404
0,29505	0,581766451	7,3E-16	-7,298E-16	1,98848804	-0,00404
0,30005	0,591703787	7,28E-16	-7,283E-16	1,986466671	-0,00404
0,30505	0,601631142	7,27E-16	-7,271E-16	1,984755965	5,48E-05
0,31005	0,611554991	7,27E-16	-7,271E-16	1,984783385	5,48E-05
0,31505	0,621478977	7,27E-16	-7,271E-16	1,984810805	5,48E-05
0,32005	0,631403101	7,27E-16	-7,271E-16	1,984838225	5,48E-05
0,32505	0,641327361	7,27E-16	-7,271E-16	1,984865645	5,48E-05
0,33005	0,651251759	7,27E-16	-7,272E-16	1,984893065	5,48E-05
0,33505	0,661176293	7,27E-16	-7,272E-16	1,984920484	5,48E-05
0,34005	0,671100965	7,27E-16	-7,272E-16	1,984947904	5,48E-05
0,34505	0,681025774	7,27E-16	-7,272E-16	1,984975324	5,48E-05
0,35005	0,690950719	7,27E-16	-7,272E-16	1,985002744	5,48E-05
0,35505	0,700875813	7,27E-16	-7,273E-16	1,985078122	0,001325
0,36005	0,710802876	7,28E-16	-7,278E-16	1,985740705	0,001325
0,36505	0,720733253	7,28E-16	-7,283E-16	1,986403288	0,001325
0,37005	0,730666942	7,29E-16	-7,288E-16	1,987065871	0,001325
0,37505	0,740603945	7,29E-16	-7,292E-16	1,987728454	0,001325
0,38005	0,75054426	7,3E-16	-7,297E-16	1,988391037	0,001325

0,38505	0,760487888	7,3E-16	-7,302E-16	1,98905362	0,001325
0,39005	0,770434829	7,31E-16	-7,307E-16	1,989716204	0,001325
0,39505	0,780385083	7,31E-16	-7,312E-16	1,990378787	0,001325
0,40005	0,790333865	7,32E-16	-7,317E-16	1,99104137	0,001325
0,40505	0,800295538	7,32E-16	-7,322E-16	1,991815862	0,013745
0,41005	0,810272797	7,38E-16	-7,375E-16	1,999016322	0,014403
0,41505	0,820286062	7,43E-16	-7,429E-16	2,006217662	0,014403
0,42005	0,830335333	7,48E-16	-7,482E-16	2,013419001	0,014403
0,42505	0,840420612	7,54E-16	-7,536E-16	2,02062034	0,014403
0,43005	0,850541897	7,59E-16	-7,59E-16	2,027821678	0,014403
0,43505	0,860699188	7,64E-16	-7,644E-16	2,035023016	0,014403
0,44005	0,870892487	7,7E-16	-7,698E-16	2,042224353	0,014403
0,44505	0,881121792	7,75E-16	-7,752E-16	2,04942569	0,014403
0,45005	0,891387104	7,81E-16	-7,807E-16	2,056627026	0,014403
0,45505	0,901687828	7,85E-16	-7,85E-16	2,062357505	-0,00503
0,46005	0,91199327	7,83E-16	-7,831E-16	2,059844402	-0,00503
0,46505	0,922286146	7,81E-16	-7,812E-16	2,057331298	-0,00503
0,47005	0,932566457	7,79E-16	-7,793E-16	2,054818195	-0,00503
0,47505	0,942834202	7,77E-16	-7,774E-16	2,052305092	-0,00503
0,48005	0,953089382	7,75E-16	-7,755E-16	2,049791989	-0,00503
0,48505	0,963331997	7,74E-16	-7,736E-16	2,047278886	-0,00503
0,49005	0,973562045	7,72E-16	-7,717E-16	2,044765783	-0,00503
0,49505	0,983779529	7,7E-16	-7,698E-16	2,04225268	-0,00503
0,50005	0,993984447	7,68E-16	-7,679E-16	2,039739577	-0,00503
0,50505	1,004178296	7,67E-16	-7,671E-16	2,038695943	0,002366
0,51005	1,014374764	7,68E-16	-7,68E-16	2,039879161	0,002366
0,51505	1,024577147	7,69E-16	-7,689E-16	2,041062379	0,002366
0,52005	1,034785447	7,7E-16	-7,698E-16	2,042245597	0,002366
0,52505	1,044999662	7,71E-16	-7,707E-16	2,043428815	0,002366
0,53005	1,055219794	7,72E-16	-7,716E-16	2,044612033	0,002366
0,53505	1,065445842	7,72E-16	-7,725E-16	2,045795251	0,002366
0,54005	1,075677806	7,73E-16	-7,734E-16	2,046978469	0,002366
0,54505	1,085915686	7,74E-16	-7,743E-16	2,048161687	0,002366

0,55005	1,096159482	7,75E-16	-7,752E-16	2,049344904	0,002366
0,55505	1,106398801	7,71E-16	-7,71E-16	2,04385539	-0,01941
0,56005	1,116593576	7,64E-16	-7,637E-16	2,03415164	-0,01941
0,56505	1,126739832	7,56E-16	-7,564E-16	2,024447892	-0,01941
0,57005	1,13683757	7,49E-16	-7,492E-16	2,014744145	-0,01941
0,57505	1,146886788	7,42E-16	-7,42E-16	2,005040399	-0,01941
0,58005	1,156887489	7,35E-16	-7,348E-16	1,995336654	-0,01941
0,58505	1,16683967	7,28E-16	-7,277E-16	1,985632911	-0,01941
0,59005	1,176743332	7,21E-16	-7,206E-16	1,975929168	-0,01941
0,59505	1,186598476	7,13E-16	-7,135E-16	1,966225427	-0,01941
0,60005	1,196405102	7,06E-16	-7,065E-16	1,956521687	-0,01941
0,60505	1,206179944	7,07E-16	-7,072E-16	1,95745567	0,014951
0,61005	1,215986098	7,13E-16	-7,126E-16	1,964930949	0,014951
0,61505	1,225829628	7,18E-16	-7,18E-16	1,972406227	0,014951
0,62005	1,235710534	7,24E-16	-7,235E-16	1,979881505	0,014951
0,62505	1,245628816	7,29E-16	-7,29E-16	1,987356783	0,014951
0,63005	1,255584475	7,35E-16	-7,345E-16	1,99483206	0,014951
0,63505	1,265577511	7,4E-16	-7,4E-16	2,002307336	0,014951
0,64005	1,275607922	7,46E-16	-7,455E-16	2,009782612	0,014951
0,64505	1,285675711	7,51E-16	-7,511E-16	2,017257887	0,014951
0,65005	1,295780875	7,57E-16	-7,566E-16	2,024733162	0,014951
0,65505	1,305923715	7,62E-16	-7,624E-16	2,032414215	0,015671
0,66005	1,316105571	7,68E-16	-7,683E-16	2,040249808	0,015671
0,66505	1,326326605	7,74E-16	-7,742E-16	2,048085401	0,015671
0,67005	1,336586817	7,8E-16	-7,801E-16	2,055920994	0,015671
0,67505	1,346886207	7,86E-16	-7,861E-16	2,063756585	0,015671
0,68005	1,357224774	7,92E-16	-7,921E-16	2,071592177	0,015671
0,68505	1,36760252	7,98E-16	-7,981E-16	2,079427767	0,015671
0,69005	1,378019444	8,04E-16	-8,041E-16	2,087263358	0,015671
0,69505	1,388475545	8,1E-16	-8,102E-16	2,095098947	0,015671
0,70005	1,398970825	8,16E-16	-8,162E-16	2,102934536	0,015671
0,70505	1,409479112	8,13E-16	-8,133E-16	2,099140831	-0,01046
0,71005	1,419961612	8,09E-16	-8,092E-16	2,09391155	-0,01046

0,71505	1,430417966	8,05E-16	-8,052E-16	2,088682268	-0,01046
0,72005	1,440848173	8,01E-16	-8,012E-16	2,083452987	-0,01046
0,72505	1,451252234	7,97E-16	-7,972E-16	2,078223706	-0,01046
0,73005	1,461630149	7,93E-16	-7,931E-16	2,072994425	-0,01046
0,73505	1,471981917	7,89E-16	-7,892E-16	2,067765144	-0,01046
0,74005	1,482307539	7,85E-16	-7,852E-16	2,062535863	-0,01046
0,74505	1,492607014	7,81E-16	-7,812E-16	2,057306583	-0,01046
0,75005	1,502881164	7,78E-16	-7,781E-16	2,053255754	-0,00167
0,75505	1,513145328	7,77E-16	-7,775E-16	2,052418388	-0,00167
0,76005	1,523405306	7,77E-16	-7,768E-16	2,051581021	-0,00167
0,76505	1,533661096	7,76E-16	-7,762E-16	2,050743655	-0,00167
0,77005	1,5439127	7,76E-16	-7,756E-16	2,049906288	-0,00167
0,77505	1,554160117	7,75E-16	-7,749E-16	2,049068922	-0,00167
0,78005	1,564403348	7,74E-16	-7,743E-16	2,048231555	-0,00167
0,78505	1,574642391	7,74E-16	-7,737E-16	2,047394189	-0,00167
0,79005	1,584877248	7,73E-16	-7,73E-16	2,046556823	-0,00167
0,79505	1,595107917	7,72E-16	-7,724E-16	2,045719456	-0,00167
0,80005	1,605335289	7,72E-16	-7,723E-16	2,045566324	0,001012
0,80505	1,615564398	7,73E-16	-7,727E-16	2,046072378	0,001012
0,81005	1,625796038	7,73E-16	-7,731E-16	2,046578431	0,001012
0,81505	1,636030208	7,73E-16	-7,734E-16	2,047084485	0,001012
0,82005	1,646266908	7,74E-16	-7,738E-16	2,047590538	0,001012
0,82505	1,656506139	7,74E-16	-7,742E-16	2,048096592	0,001012
0,83005	1,666747899	7,75E-16	-7,746E-16	2,048602645	0,001012
0,83505	1,67699219	7,75E-16	-7,75E-16	2,049108698	0,001012
0,84005	1,687239012	7,75E-16	-7,754E-16	2,049614752	0,001012
0,84505	1,697488363	7,76E-16	-7,757E-16	2,050120805	0,001012
0,85005	1,70774681	7,79E-16	-7,788E-16	2,054115766	0,010408
0,85505	1,718030529	7,83E-16	-7,827E-16	2,059319734	0,010408
0,86005	1,728340268	7,87E-16	-7,867E-16	2,064523702	0,010408
0,86505	1,738676026	7,91E-16	-7,906E-16	2,069727671	0,010408
0,87005	1,749037805	7,95E-16	-7,946E-16	2,074931638	0,010408
0,87505	1,759425603	7,99E-16	-7,986E-16	2,080135606	0,010408

0,88005	1,769839421	8,03E-16	-8,026E-16	2,085339574	0,010408
0,88505	1,780279259	8,07E-16	-8,066E-16	2,090543541	0,010408
0,89005	1,790745117	8,11E-16	-8,107E-16	2,095747508	0,010408
0,89505	1,801236802	8,14E-16	-8,142E-16	2,100288292	-0,00214
0,90005	1,811735546	8,13E-16	-8,133E-16	2,099219923	-0,00214
0,90505	1,822228948	8,13E-16	-8,125E-16	2,098151554	-0,00214
0,91005	1,832717008	8,12E-16	-8,117E-16	2,097083185	-0,00214
0,91505	1,843199726	8,11E-16	-8,109E-16	2,096014816	-0,00214
0,92005	1,853677102	8,1E-16	-8,1E-16	2,094946446	-0,00214
0,92505	1,864149137	8,09E-16	-8,092E-16	2,093878077	-0,00214
0,93005	1,87461583	8,08E-16	-8,084E-16	2,092809708	-0,00214
0,93505	1,885077181	8,08E-16	-8,076E-16	2,091741339	-0,00214
0,94005	1,89553319	8,07E-16	-8,067E-16	2,09067297	-0,00214
0,94505	1,905979987	8,04E-16	-8,038E-16	2,086891933	-0,01182
0,95005	1,91639953	7,99E-16	-7,993E-16	2,08098423	-0,01182
0,95505	1,926789534	7,95E-16	-7,947E-16	2,075076527	-0,01182
0,96005	1,93715	7,9E-16	-7,902E-16	2,069168824	-0,01182
0,96505	1,947480927	7,86E-16	-7,857E-16	2,063261121	-0,01182
0,97005	1,957782316	7,81E-16	-7,812E-16	2,057353419	-0,01182
0,97505	1,968054166	7,77E-16	-7,767E-16	2,051445717	-0,01182
0,98005	1,978296477	7,72E-16	-7,723E-16	2,045538015	-0,01182
0,98505	1,98850925	7,68E-16	-7,678E-16	2,039630313	-0,01182
0,99005	1,998692485	7,63E-16	-7,634E-16	2,033722612	-0,01182
0,99505	2,008870014	7,68E-16	-7,675E-16	2,039153539	0,015483
1,00005	2,01908533	7,73E-16	-7,733E-16	2,046895257	0,015483
1,00505	2,029339354	7,79E-16	-7,792E-16	2,054636973	0,015483
1,01005	2,039632086	7,85E-16	-7,85E-16	2,062378689	0,015483
1,01505	2,049963528	7,91E-16	-7,909E-16	2,070120405	0,015483
1,02005	2,060333678	7,97E-16	-7,969E-16	2,07786212	0,015483
1,02505	2,070742536	8,03E-16	-8,028E-16	2,085603834	0,015483
1,03005	2,081190103	8,09E-16	-8,088E-16	2,093345548	0,015483
1,03505	2,091676379	8,15E-16	-8,148E-16	2,101087262	0,015483
1,04005	2,102201192	8,21E-16	-8,205E-16	2,108499759	0,012139

1,04505	2,112759016	8,25E-16	-8,253E-16	2,114569148	0,012139
1,05005	2,123347187	8,3E-16	-8,3E-16	2,120638536	0,012139
1,05505	2,133965705	8,35E-16	-8,348E-16	2,126707924	0,012139
1,06005	2,14461457	8,4E-16	-8,396E-16	2,132777312	0,012139
1,06505	2,155293782	8,44E-16	-8,443E-16	2,1388467	0,012139
1,07005	2,16600334	8,49E-16	-8,491E-16	2,144916087	0,012139
1,07505	2,176743246	8,54E-16	-8,54E-16	2,150985474	0,012139
1,08005	2,187513499	8,59E-16	-8,588E-16	2,157054861	0,012139
1,08505	2,198314098	8,64E-16	-8,636E-16	2,163124248	0,012139
1,09005	2,209125506	8,61E-16	-8,611E-16	2,159917602	-0,01015
1,09505	2,219912284	8,57E-16	-8,57E-16	2,154844142	-0,01015
1,10005	2,230673694	8,53E-16	-8,53E-16	2,149770683	-0,01015
1,10505	2,241409737	8,49E-16	-8,49E-16	2,144697223	-0,01015
1,11005	2,252120413	8,45E-16	-8,45E-16	2,139623764	-0,01015
1,11505	2,262805721	8,41E-16	-8,41E-16	2,134550305	-0,01015
1,12005	2,273465662	8,37E-16	-8,37E-16	2,129476846	-0,01015
1,12505	2,284100236	8,33E-16	-8,33E-16	2,124403387	-0,01015
1,13005	2,294709442	8,29E-16	-8,29E-16	2,119329929	-0,01015
1,13505	2,305296289	8,27E-16	-8,269E-16	2,116669236	-0,00027
1,14005	2,315879296	8,27E-16	-8,268E-16	2,116535095	-0,00027
1,14505	2,326461633	8,27E-16	-8,267E-16	2,116400954	-0,00027
1,15005	2,337043299	8,27E-16	-8,266E-16	2,116266812	-0,00027
1,15505	2,347624294	8,27E-16	-8,265E-16	2,116132671	-0,00027
1,16005	2,358204619	8,26E-16	-8,264E-16	2,11599853	-0,00027
1,16505	2,368784273	8,26E-16	-8,263E-16	2,115864389	-0,00027
1,17005	2,379363256	8,26E-16	-8,262E-16	2,115730247	-0,00027
1,17505	2,389941569	8,26E-16	-8,261E-16	2,115596106	-0,00027
1,18005	2,400519215	8,26E-16	-8,26E-16	2,115501271	0,001846
1,18505	2,411099055	8,27E-16	-8,267E-16	2,116425308	0,001848
1,19005	2,421683514	8,27E-16	-8,275E-16	2,117349347	0,001848
1,19505	2,432272594	8,28E-16	-8,282E-16	2,118273386	0,001848
1,20005	2,442866295	8,29E-16	-8,289E-16	2,119197425	0,001848
1,20505	2,453464615	8,3E-16	-8,296E-16	2,120121465	0,001848



1,21005	2,464067555	8,3E-16	-8,303E-16	2,121045504	0,001848
1,21505	2,474675116	8,31E-16	-8,311E-16	2,121969543	0,001848
1,22005	2,485287297	8,32E-16	-8,318E-16	2,122893582	0,001848
1,22505	2,495904098	8,33E-16	-8,325E-16	2,123817622	0,001848
1,23005	2,506523307	8,32E-16	-8,321E-16	2,123296621	-0,00295
1,23505	2,517136066	8,31E-16	-8,31E-16	2,121821925	-0,00295
1,24005	2,527741452	8,3E-16	-8,298E-16	2,120347228	-0,00295
1,24505	2,538339465	8,29E-16	-8,286E-16	2,118872531	-0,00295
1,25005	2,548930104	8,27E-16	-8,275E-16	2,117397834	-0,00295
1,25505	2,559513369	8,26E-16	-8,263E-16	2,115923137	-0,00295
1,26005	2,570089261	8,25E-16	-8,252E-16	2,11444844	-0,00295
1,26505	2,58065778	8,24E-16	-8,24E-16	2,112973743	-0,00295
1,27005	2,591218925	8,23E-16	-8,229E-16	2,111499046	-0,00295
1,27505	2,601772979	8,22E-16	-8,223E-16	2,110703388	0,005754
1,28005	2,61233376	8,25E-16	-8,245E-16	2,113580307	0,005754
1,28505	2,622908926	8,27E-16	-8,268E-16	2,116457225	0,005754
1,29005	2,633498476	8,29E-16	-8,29E-16	2,119334144	0,005754
1,29505	2,644102411	8,31E-16	-8,313E-16	2,122211063	0,005754
1,30005	2,654720731	8,34E-16	-8,335E-16	2,125087981	0,005754
1,30505	2,665353435	8,36E-16	-8,358E-16	2,1279649	0,005754
1,31005	2,676000524	8,38E-16	-8,38E-16	2,130841819	0,005754
1,31505	2,686661997	8,4E-16	-8,403E-16	2,133718737	0,005754
1,32005	2,697337855	8,43E-16	-8,426E-16	2,136595656	0,005754
1,32505	2,708027637	8,45E-16	-8,446E-16	2,139226605	0,005088
1,33005	2,718730194	8,47E-16	-8,466E-16	2,141770687	0,005088
1,33505	2,729445471	8,49E-16	-8,487E-16	2,144314769	0,005088
1,34005	2,740173469	8,51E-16	-8,507E-16	2,14685885	0,005088
1,34505	2,750914187	8,53E-16	-8,527E-16	2,149402932	0,005088
1,35005	2,761667625	8,55E-16	-8,547E-16	2,151947013	0,005088
1,35505	2,772433784	8,57E-16	-8,567E-16	2,154491095	0,005088
1,36005	2,783212663	8,59E-16	-8,588E-16	2,157035176	0,005088
1,36505	2,794004263	8,61E-16	-8,608E-16	2,159579258	0,005088
1,37005	2,804807613	8,62E-16	-8,621E-16	2,161247729	0,001046

1,37505	2,815615171	8,63E-16	-8,625E-16	2,161770612	0,001046
1,38005	2,826425345	8,63E-16	-8,63E-16	2,162293495	0,001046
1,38505	2,837238133	8,63E-16	-8,634E-16	2,162816379	0,001046
1,39005	2,848053535	8,64E-16	-8,638E-16	2,163339262	0,001046
1,39505	2,858871551	8,64E-16	-8,642E-16	2,163862145	0,001046
1,40005	2,869692182	8,65E-16	-8,646E-16	2,164385029	0,001046
1,40505	2,880515428	8,65E-16	-8,65E-16	2,164907912	0,001046
1,41005	2,891341288	8,65E-16	-8,655E-16	2,165430795	0,001046
1,41505	2,902169918	8,66E-16	-8,661E-16	2,166267348	0,00437
1,42005	2,913006772	8,68E-16	-8,679E-16	2,168452587	0,00437
1,42505	2,923854553	8,7E-16	-8,696E-16	2,170637827	0,00437
1,43005	2,93471326	8,71E-16	-8,714E-16	2,172823067	0,00437
1,43505	2,945582893	8,73E-16	-8,731E-16	2,175008307	0,00437
1,44005	2,956463452	8,75E-16	-8,749E-16	2,177193546	0,00437
1,44505	2,967354938	8,77E-16	-8,766E-16	2,179378786	0,00437
1,45005	2,978257349	8,78E-16	-8,784E-16	2,181564026	0,00437
1,45505	2,989170687	8,8E-16	-8,802E-16	2,183749265	0,00437
1,46005	3,000094951	8,82E-16	-8,819E-16	2,185934505	0,00437
1,46505	3,011024087	8,82E-16	-8,817E-16	2,185715082	-0,00045
1,47005	3,021952091	8,82E-16	-8,816E-16	2,185488711	-0,00045
1,47505	3,032878963	8,81E-16	-8,814E-16	2,185262339	-0,00045
1,48005	3,043804703	8,81E-16	-8,812E-16	2,185035968	-0,00045
1,48505	3,054729311	8,81E-16	-8,81E-16	2,184809597	-0,00045
1,49005	3,065652787	8,81E-16	-8,808E-16	2,184583225	-0,00045
1,49505	3,076575132	8,81E-16	-8,807E-16	2,184356854	-0,00045
1,50005	3,087496345	8,8E-16	-8,805E-16	2,184130483	-0,00045
1,50505	3,098416425	8,8E-16	-8,803E-16	2,183904111	-0,00045
1,51005	3,109332076	8,79E-16	-8,789E-16	2,182131805	-0,00412
1,51505	3,120237535	8,77E-16	-8,772E-16	2,180072467	-0,00412
1,52005	3,131132698	8,76E-16	-8,755E-16	2,178013129	-0,00412
1,52505	3,142017563	8,74E-16	-8,739E-16	2,175953791	-0,00412
1,53005	3,152892132	8,72E-16	-8,722E-16	2,173894453	-0,00412
1,53505	3,163756405	8,71E-16	-8,706E-16	2,171835115	-0,00412

1,54005	3,174610381	8,69E-16	-8,689E-16	2,169775778	-0,00412
1,54505	3,18545406	8,67E-16	-8,673E-16	2,16771644	-0,00412
1,55005	3,196287442	8,66E-16	-8,656E-16	2,165657102	-0,00412
1,55505	3,207114589	8,66E-16	-8,66E-16	2,166076184	0,003562
1,56005	3,217949467	8,67E-16	-8,674E-16	2,167857005	0,003562
1,56505	3,228793248	8,69E-16	-8,688E-16	2,169637827	0,003562
1,57005	3,239645934	8,7E-16	-8,703E-16	2,171418649	0,003562
1,57505	3,250507524	8,72E-16	-8,717E-16	2,17319947	0,003562
1,58005	3,261378018	8,73E-16	-8,731E-16	2,174980292	0,003562
1,58505	3,272257416	8,75E-16	-8,745E-16	2,176761114	0,003562
1,59005	3,283145718	8,76E-16	-8,76E-16	2,178541935	0,003562
1,59505	3,294042924	8,77E-16	-8,774E-16	2,180322757	0,003562
1,60005	3,304949022	8,79E-16	-8,788E-16	2,182092489	0,003511
1,60505	3,315863918	8,8E-16	-8,802E-16	2,183848227	0,003511
1,61005	3,326787592	8,82E-16	-8,817E-16	2,185603964	0,003511
1,61505	3,337720045	8,83E-16	-8,831E-16	2,187359702	0,003511
1,62005	3,348661277	8,85E-16	-8,845E-16	2,18911544	0,003511
1,62505	3,359611287	8,86E-16	-8,859E-16	2,190871177	0,003511
1,63005	3,370570076	8,87E-16	-8,873E-16	2,192626915	0,003511
1,63505	3,381537644	8,89E-16	-8,888E-16	2,194382653	0,003511
1,64005	3,392513991	8,9E-16	-8,902E-16	2,19613839	0,003511
1,64505	3,403499295	8,92E-16	-8,918E-16	2,198120237	0,004985
1,65005	3,414496189	8,94E-16	-8,938E-16	2,200612618	0,004985
1,65505	3,425505546	8,96E-16	-8,958E-16	2,203104998	0,004985
1,66005	3,436527364	8,98E-16	-8,979E-16	2,205597378	0,004985
1,66505	3,447561644	9E-16	-8,999E-16	2,208089758	0,004985
1,67005	3,458608386	9,02E-16	-9,019E-16	2,210582138	0,004985
1,67505	3,46966759	9,04E-16	-9,04E-16	2,213074519	0,004985
1,68005	3,480739256	9,06E-16	-9,06E-16	2,215566899	0,004985
1,68505	3,491823384	9,08E-16	-9,08E-16	2,218059279	0,004985
1,69005	3,502919536	9,1E-16	-9,095E-16	2,219883538	-0,00033
1,69505	3,514018543	9,09E-16	-9,094E-16	2,219720861	-0,00033
1,70005	3,525116737	9,09E-16	-9,093E-16	2,219558184	-0,00033

1,70505	3,536214117	9,09E-16	-9,091E-16	2,219395507	-0,00033
1,71005	3,547310684	9,09E-16	-9,09E-16	2,21923283	-0,00033
1,71505	3,558406437	9,09E-16	-9,089E-16	2,219070154	-0,00033
1,72005	3,569501377	9,09E-16	-9,087E-16	2,218907477	-0,00033
1,72505	3,580595504	9,09E-16	-9,086E-16	2,2187448	-0,00033
1,73005	3,591688817	9,08E-16	-9,085E-16	2,218582123	-0,00033
1,73505	3,602781575	9,09E-16	-9,087E-16	2,218833281	0,003133
1,74005	3,613879696	9,1E-16	-9,1E-16	2,220399557	0,003133
1,74505	3,624985649	9,11E-16	-9,112E-16	2,221965833	0,003133
1,75005	3,636099433	9,13E-16	-9,125E-16	2,223532109	0,003133
1,75505	3,647221048	9,14E-16	-9,138E-16	2,225098385	0,003133
1,76005	3,658350495	9,15E-16	-9,151E-16	2,226664661	0,003133
1,76505	3,669487773	9,16E-16	-9,164E-16	2,228230937	0,003133
1,77005	3,680632883	9,18E-16	-9,177E-16	2,229797213	0,003133
1,77505	3,691785823	9,19E-16	-9,19E-16	2,231363489	0,003133
1,78005	3,702945755	9,19E-16	-9,192E-16	2,231649346	-0,007
1,78505	3,714095158	9,16E-16	-9,163E-16	2,228146851	-0,007
1,79005	3,725227048	9,13E-16	-9,134E-16	2,224644357	-0,007
1,79505	3,736341426	9,11E-16	-9,106E-16	2,221141863	-0,007
1,80005	3,747438291	9,08E-16	-9,077E-16	2,217639369	-0,007
1,80505	3,758517645	9,05E-16	-9,048E-16	2,214136874	-0,007
1,81005	3,769579485	9,02E-16	-9,02E-16	2,21063438	-0,007
1,81505	3,780623813	8,99E-16	-8,991E-16	2,207131886	-0,007
1,82005	3,791650629	8,96E-16	-8,963E-16	2,203629392	-0,007
1,82505	3,802660848	8,95E-16	-8,947E-16	2,201651657	0,006239
1,83005	3,813676983	8,97E-16	-8,972E-16	2,204770959	0,006239
1,83505	3,824708714	9E-16	-8,997E-16	2,207890261	0,006239
1,84005	3,835756041	9,02E-16	-9,023E-16	2,211009562	0,006239
1,84505	3,846818966	9,05E-16	-9,048E-16	2,214128864	0,006239
1,85005	3,857897486	9,07E-16	-9,074E-16	2,217248166	0,006239
1,85505	3,868991603	9,1E-16	-9,099E-16	2,220367467	0,006239
1,86005	3,880101317	9,13E-16	-9,125E-16	2,223486769	0,006239
1,86505	3,891226627	9,15E-16	-9,15E-16	2,22660607	0,006239

1,87005	3,902367503	9,18E-16	-9,176E-16	2,229667753	0,005665
1,87505	3,913522994	9,2E-16	-9,199E-16	2,232500476	0,005665
1,88005	3,924692649	9,22E-16	-9,222E-16	2,235333198	0,005665
1,88505	3,935876468	9,25E-16	-9,246E-16	2,23816592	0,005665
1,89005	3,94707445	9,27E-16	-9,269E-16	2,240998642	0,005665
1,89505	3,958286596	9,29E-16	-9,293E-16	2,243831365	0,005665
1,90005	3,969512905	9,32E-16	-9,316E-16	2,246664087	0,005665
1,90505	3,980753379	9,34E-16	-9,34E-16	2,249496809	0,005665
1,91005	3,992008015	9,36E-16	-9,363E-16	2,252329531	0,005665
1,91505	4,003275436	9,37E-16	-9,371E-16	2,253256252	-0,00798
1,92005	4,014531648	9,34E-16	-9,338E-16	2,249268606	-0,00798
1,92505	4,025767923	9,3E-16	-9,305E-16	2,245280961	-0,00798
1,93005	4,036984259	9,27E-16	-9,272E-16	2,241293316	-0,00798
1,93505	4,048180656	9,24E-16	-9,239E-16	2,237305671	-0,00798
1,94005	4,059357116	9,21E-16	-9,206E-16	2,233318026	-0,00798
1,94505	4,070513637	9,17E-16	-9,173E-16	2,229330381	-0,00798
1,95005	4,08165022	9,14E-16	-9,14E-16	2,225342736	-0,00798
1,95505	4,092766865	9,11E-16	-9,107E-16	2,221355091	-0,00798
1,96005	4,103866479	9,1E-16	-9,102E-16	2,220718178	0,011913
1,96505	4,11498511	9,15E-16	-9,151E-16	2,226674505	0,011913
1,97005	4,126133522	9,2E-16	-9,2E-16	2,232630832	0,011913
1,97505	4,137311716	9,25E-16	-9,249E-16	2,238587159	0,011913
1,98005	4,148519691	9,3E-16	-9,299E-16	2,244543486	0,011913
1,98505	4,159757448	9,35E-16	-9,348E-16	2,250499812	0,011913
1,99005	4,171024987	9,4E-16	-9,397E-16	2,256456138	0,011913
1,99505	4,182322308	9,45E-16	-9,447E-16	2,262412465	0,011913
2,00005	4,19364941	9,5E-16	-9,497E-16	2,26836879	0,011913
2,00505	4,205004149	9,53E-16	-9,531E-16	2,272372842	0,002819
2,01005	4,216369572	9,54E-16	-9,542E-16	2,273782145	0,002819
2,01505	4,227742041	9,55E-16	-9,554E-16	2,275191447	0,002819
2,02005	4,239121556	9,57E-16	-9,566E-16	2,276600749	0,002819
2,02505	4,250508119	9,58E-16	-9,578E-16	2,278010052	0,002819
2,03005	4,261901727	9,59E-16	-9,59E-16	2,279419354	0,002819

2,03505	4,273302383	9,6E-16	-9,602E-16	2,280828657	0,002819
2,04005	4,284710084	9,61E-16	-9,613E-16	2,282237959	0,002819
2,04505	4,296124833	9,63E-16	-9,625E-16	2,283647261	0,002819
2,05005	4,307546821	9,64E-16	-9,638E-16	2,285173683	0,003179
2,05505	4,318976703	9,65E-16	-9,652E-16	2,286763284	0,003179
2,06005	4,330414533	9,67E-16	-9,665E-16	2,288352885	0,003179
2,06505	4,341860311	9,68E-16	-9,678E-16	2,289942486	0,003179
2,07005	4,353314037	9,69E-16	-9,692E-16	2,291532087	0,003179
2,07505	4,364775712	9,71E-16	-9,705E-16	2,293121688	0,003179
2,08005	4,376245334	9,72E-16	-9,719E-16	2,29471129	0,003179
2,08505	4,387722904	9,73E-16	-9,732E-16	2,296300891	0,003179
2,09005	4,399208422	9,75E-16	-9,746E-16	2,297890492	0,003179
2,09505	4,410695611	9,74E-16	-9,736E-16	2,296780747	-0,00269
2,10005	4,422176121	9,72E-16	-9,725E-16	2,295436628	-0,00269
2,10505	4,433649911	9,71E-16	-9,714E-16	2,294092509	-0,00269
2,11005	4,445116979	9,7E-16	-9,702E-16	2,29274839	-0,00269
2,11505	4,456577327	9,69E-16	-9,691E-16	2,291404271	-0,00269
2,12005	4,468030955	9,68E-16	-9,679E-16	2,290060152	-0,00269
2,12505	4,479477862	9,67E-16	-9,668E-16	2,288716033	-0,00269
2,13005	4,490918048	9,66E-16	-9,657E-16	2,287371914	-0,00269
2,13505	4,502350561	9,63E-16	-9,63E-16	2,284168823	-0,02179
2,14005	4,5137439	9,54E-16	-9,538E-16	2,273275563	-0,02179
2,14505	4,525082772	9,45E-16	-9,447E-16	2,262382306	-0,02179
2,15005	4,536367178	9,36E-16	-9,356E-16	2,251489049	-0,02179
2,15505	4,547597118	9,26E-16	-9,266E-16	2,240595794	-0,02179
2,16005	4,558772592	9,17E-16	-9,176E-16	2,22970254	-0,02179
2,16505	4,569893599	9,09E-16	-9,087E-16	2,218809287	-0,02179
2,17005	4,58096014	9E-16	-8,998E-16	2,207916036	-0,02179
2,17505	4,591972215	8,91E-16	-8,909E-16	2,197022786	-0,02179
2,18005	4,602934758	8,88E-16	-8,881E-16	2,193538793	0,036032
2,18505	4,613947942	9,03E-16	-9,027E-16	2,211554713	0,036032
2,19005	4,625051206	9,18E-16	-9,175E-16	2,229570628	0,036032
2,19505	4,636244549	9,33E-16	-9,324E-16	2,247586537	0,036032

2,20005	4,647527972	9,48E-16	-9,474E-16	2,26560244	0,036032
2,20505	4,658901475	9,63E-16	-9,625E-16	2,283618337	0,036032
2,21005	4,670365056	9,78E-16	-9,778E-16	2,301634229	0,036032
2,21505	4,681918718	9,93E-16	-9,931E-16	2,319650115	0,036032
2,22005	4,693562458	1,01E-15	-1,009E-15	2,337665996	0,036032
2,22505	4,705286142	1,02E-15	-1,016E-15	2,346664646	-0,00499
2,23005	4,717013166	1,01E-15	-1,014E-15	2,344169966	-0,00499
2,23505	4,728727717	1,01E-15	-1,012E-15	2,341675287	-0,00499
2,24005	4,740429794	1,01E-15	-1,01E-15	2,339180607	-0,00499
2,24505	4,752119398	1,01E-15	-1,008E-15	2,336685928	-0,00499
2,25005	4,763796528	1,01E-15	-1,006E-15	2,334191248	-0,00499
2,25505	4,775461186	1E-15	-1,003E-15	2,331696569	-0,00499
2,26005	4,787113369	1E-15	-1,001E-15	2,329201889	-0,00499
2,26505	4,79875308	9,99E-16	-9,992E-16	2,32670721	-0,00499
2,27005	4,810374254	9,95E-16	-9,947E-16	2,321493931	-0,01115
2,27505	4,821967642	9,9E-16	-9,899E-16	2,315916731	-0,01115
2,28005	4,833533143	9,85E-16	-9,852E-16	2,31033953	-0,01115
2,28505	4,845070758	9,8E-16	-9,804E-16	2,30476233	-0,01115
2,29005	4,856580487	9,76E-16	-9,757E-16	2,299185129	-0,01115
2,29505	4,868062331	9,71E-16	-9,709E-16	2,293607929	-0,01115
2,30005	4,879516288	9,66E-16	-9,662E-16	2,288030729	-0,01115
2,30505	4,890942359	9,61E-16	-9,615E-16	2,28245353	-0,01115
2,31005	4,902341083	9,58E-16	-9,577E-16	2,277928704	-0,00033
2,31505	4,913730309	9,58E-16	-9,576E-16	2,27763529	-0,00033
2,32005	4,92511871	9,57E-16	-9,574E-16	2,277598354	-0,00033
2,32505	4,936506284	9,57E-16	-9,573E-16	2,277433179	-0,00033
2,33005	4,947893033	9,57E-16	-9,572E-16	2,277268004	-0,00033
2,33505	4,959278956	9,57E-16	-9,57E-16	2,277102829	-0,00033
2,34005	4,970664053	9,57E-16	-9,569E-16	2,276937654	-0,00033
2,34505	4,982048324	9,57E-16	-9,567E-16	2,276772479	-0,00033
2,35005	4,99343177	9,57E-16	-9,566E-16	2,276607304	-0,00033
2,35505	5,004815705	9,58E-16	-9,575E-16	2,277689164	0,005725
2,36005	5,016211378	9,6E-16	-9,599E-16	2,280551672	0,005725

2,36505	5,027621365	9,62E-16	-9,623E-16	2,283414179	0,005725
2,37005	5,039045663	9,65E-16	-9,648E-16	2,286276687	0,005725
2,37505	5,050484275	9,67E-16	-9,672E-16	2,289139195	0,005725
2,38005	5,061937198	9,7E-16	-9,696E-16	2,292001702	0,005725
2,38505	5,073404435	9,72E-16	-9,72E-16	2,294864209	0,005725
2,39005	5,084885984	9,74E-16	-9,744E-16	2,297726717	0,005725
2,39505	5,096381845	9,77E-16	-9,769E-16	2,300589224	0,005725
2,40005	5,10789313	9,8E-16	-9,799E-16	2,304101204	0,007651
2,40505	5,119423296	9,83E-16	-9,831E-16	2,307926582	0,007651
2,41005	5,130972588	9,86E-16	-9,864E-16	2,31175196	0,007651
2,41505	5,142541006	9,9E-16	-9,896E-16	2,315577338	0,007651
2,42005	5,154128552	9,93E-16	-9,929E-16	2,319402716	0,007651
2,42505	5,165735225	9,96E-16	-9,962E-16	2,323228093	0,007651
2,43005	5,177361024	1E-15	-9,995E-16	2,327053471	0,007651
2,43505	5,189005951	1E-15	-1,003E-15	2,330878849	0,007651
2,44005	5,200670024	1,01E-15	-1,006E-15	2,334846193	0,013749
2,44505	5,212361614	1,01E-15	-1,012E-15	2,341720926	0,013749
2,45005	5,224087577	1,02E-15	-1,018E-15	2,348595658	0,013749
2,45505	5,235847914	1,02E-15	-1,024E-15	2,35547039	0,013749
2,46005	5,247642625	1,03E-15	-1,03E-15	2,362345122	0,013749
2,46505	5,259471709	1,04E-15	-1,036E-15	2,369219853	0,013749
2,47005	5,271335167	1,04E-15	-1,042E-15	2,376094585	0,013749
2,47505	5,283232999	1,05E-15	-1,048E-15	2,382969315	0,013749
2,48005	5,295165204	1,05E-15	-1,054E-15	2,389844046	0,013749
2,48505	5,307125488	1,06E-15	-1,056E-15	2,392487456	-0,00072
2,49005	5,319087022	1,06E-15	-1,056E-15	2,392129903	-0,00072
2,49505	5,331046769	1,06E-15	-1,056E-15	2,391772349	-0,00072
2,50005	5,343004728	1,06E-15	-1,056E-15	2,391414796	-0,00072
2,50505	5,354960899	1,06E-15	-1,055E-15	2,391057243	-0,00072
2,51005	5,366915283	1,05E-15	-1,055E-15	2,39069969	-0,00072
2,51505	5,378867878	1,05E-15	-1,055E-15	2,390342137	-0,00072
2,52005	5,390818686	1,05E-15	-1,054E-15	2,389984584	-0,00072
2,52505	5,40276733	1,05E-15	-1,053E-15	2,388976938	-0,0066



2,53005	5,414703887	1,05E-15	-1,05E-15	2,385678664	-0,0066
2,53505	5,426623952	1,05E-15	-1,048E-15	2,382380391	-0,0066
2,54005	5,438527526	1,04E-15	-1,045E-15	2,379082118	-0,0066
2,54505	5,450414608	1,04E-15	-1,042E-15	2,375783845	-0,0066
2,55005	5,462285199	1,04E-15	-1,039E-15	2,372485572	-0,0066
2,55505	5,474139299	1,04E-15	-1,036E-15	2,369187299	-0,0066
2,56005	5,485976908	1,03E-15	-1,033E-15	2,365889026	-0,0066
2,56505	5,497798025	1,03E-15	-1,03E-15	2,362590753	-0,0066
2,57005	5,509596172	1,02E-15	-1,025E-15	2,356104887	-0,01454
2,57505	5,521358344	1,02E-15	-1,018E-15	2,348836423	-0,01454
2,58005	5,533084173	1,01E-15	-1,012E-15	2,34156796	-0,01454
2,58505	5,54477366	1,01E-15	-1,006E-15	2,334299498	-0,01454
2,59005	5,556426804	9,99E-16	-9,995E-16	2,327031036	-0,01454
2,59505	5,568043607	9,93E-16	-9,932E-16	2,319762574	-0,01454
2,60005	5,579624067	9,87E-16	-9,87E-16	2,312494112	-0,01454
2,60505	5,591168184	9,81E-16	-9,808E-16	2,305225651	-0,01454
2,61005	5,602678271	9,78E-16	-9,78E-16	2,301942278	0,021397
2,61505	5,614214995	9,87E-16	-9,871E-16	2,312640634	0,021397
2,62005	5,625805212	9,96E-16	-9,963E-16	2,323338989	0,021397
2,62505	5,63744892	1,01E-15	-1,005E-15	2,334037344	0,021397
2,63005	5,64914612	1,01E-15	-1,015E-15	2,344735697	0,021397
2,63505	5,660896812	1,02E-15	-1,024E-15	2,355434049	0,021397
2,64005	5,672700996	1,03E-15	-1,033E-15	2,366132399	0,021397
2,64505	5,684558671	1,04E-15	-1,043E-15	2,376830749	0,021397
2,65005	5,696469838	1,05E-15	-1,052E-15	2,387529098	0,021397
2,65505	5,708425542	1,06E-15	-1,057E-15	2,393139239	0,006731
2,66005	5,720399737	1,06E-15	-1,06E-15	2,396504814	0,006731
2,66505	5,732390759	1,06E-15	-1,063E-15	2,39987039	0,006731
2,67005	5,744398609	1,07E-15	-1,066E-15	2,403235966	0,006731
2,67505	5,756423287	1,07E-15	-1,069E-15	2,406601542	0,006731
2,68005	5,768464792	1,07E-15	-1,072E-15	2,409967118	0,006731
2,68505	5,780523126	1,07E-15	-1,075E-15	2,413332694	0,006731
2,69005	5,792598288	1,08E-15	-1,078E-15	2,416698269	0,006731

2,69505	5,804689564	1,08E-15	-1,08E-15	2,419327214	0,002826
2,70005	5,816789768	1,08E-15	-1,082E-15	2,420740222	0,002826
2,70505	5,828897037	1,08E-15	-1,083E-15	2,422153229	0,002826
2,71005	5,841011371	1,08E-15	-1,084E-15	2,423566237	0,002826
2,71505	5,85313277	1,09E-15	-1,085E-15	2,424979245	0,002826
2,72005	5,865261234	1,09E-15	-1,087E-15	2,426392253	0,002826
2,72505	5,877396763	1,09E-15	-1,088E-15	2,42780526	0,002826
2,73005	5,889539357	1,09E-15	-1,089E-15	2,429218268	0,002826
2,73505	5,901688739	1,09E-15	-1,09E-15	2,429831418	-0,00961
2,74005	5,913825757	1,09E-15	-1,085E-15	2,425024029	-0,00961
2,74505	5,925938739	1,08E-15	-1,081E-15	2,420216641	-0,00961
2,75005	5,938027683	1,08E-15	-1,077E-15	2,415409252	-0,00961
2,75505	5,950092591	1,07E-15	-1,073E-15	2,410601864	-0,00961
2,76005	5,962133462	1,07E-15	-1,068E-15	2,405794475	-0,00961
2,76505	5,974150295	1,06E-15	-1,064E-15	2,400987087	-0,00961
2,77005	5,986143092	1,06E-15	-1,06E-15	2,396179699	-0,00961
2,77505	5,998111852	1,06E-15	-1,055E-15	2,391372311	-0,00961
2,78005	6,010061935	1,05E-15	-1,053E-15	2,389112997	-0,00349
2,78505	6,0220031	1,05E-15	-1,052E-15	2,387370045	-0,00349
2,79005	6,033935549	1,05E-15	-1,05E-15	2,385627093	-0,00349
2,79505	6,045859283	1,05E-15	-1,049E-15	2,383884141	-0,00349
2,80005	6,057774303	1,05E-15	-1,047E-15	2,382141189	-0,00349
2,80505	6,069680608	1,05E-15	-1,046E-15	2,380398237	-0,00349
2,81005	6,081578198	1,04E-15	-1,044E-15	2,378655285	-0,00349
2,81505	6,093467074	1,04E-15	-1,043E-15	2,376912333	-0,00349
2,82005	6,105349764	1,04E-15	-1,043E-15	2,377419864	0,006755
2,82505	6,117245391	1,05E-15	-1,046E-15	2,380797135	0,006755
2,83005	6,129157904	1,05E-15	-1,049E-15	2,384174406	0,006755
2,83505	6,141087304	1,05E-15	-1,052E-15	2,387551678	0,006755
2,84005	6,15303359	1,06E-15	-1,055E-15	2,390928949	0,006755
2,84505	6,164996762	1,06E-15	-1,058E-15	2,39430622	0,006755
2,85005	6,176976821	1,06E-15	-1,061E-15	2,397683492	0,006755
2,85505	6,188973766	1,06E-15	-1,064E-15	2,401060763	0,006755

2,86005	6,200987564	1,07E-15	-1,067E-15	2,404275388	0,002213
2,86505	6,213011735	1,07E-15	-1,068E-15	2,405381865	0,002213
2,87005	6,225041438	1,07E-15	-1,069E-15	2,406488343	0,002213
2,87505	6,237076673	1,07E-15	-1,07E-15	2,40759482	0,002213
2,88005	6,249117441	1,07E-15	-1,071E-15	2,408701298	0,002213
2,88505	6,261163742	1,07E-15	-1,072E-15	2,409807775	0,002213
2,89005	6,273215574	1,07E-15	-1,073E-15	2,410914253	0,002213
2,89505	6,285272939	1,07E-15	-1,074E-15	2,41202073	0,002213
2,90005	6,297335837	1,07E-15	-1,075E-15	2,413127208	0,002213
2,90505	6,309404491	1,08E-15	-1,076E-15	2,414349014	0,002513
2,91005	6,321479409	1,08E-15	-1,077E-15	2,415605517	0,002513
2,91505	6,333560609	1,08E-15	-1,078E-15	2,416862019	0,002513
2,92005	6,345648092	1,08E-15	-1,079E-15	2,418118522	0,002513
2,92505	6,357741857	1,08E-15	-1,08E-15	2,419375025	0,002513
2,93005	6,369841905	1,08E-15	-1,081E-15	2,420631528	0,002513
2,93505	6,381948236	1,08E-15	-1,083E-15	2,421888031	0,002513
2,94005	6,394060848	1,08E-15	-1,084E-15	2,423144534	0,002513
2,94505	6,406180464	1,09E-15	-1,085E-15	2,42496639	0,004777
2,95005	6,418311327	1,09E-15	-1,087E-15	2,427354875	0,004777
2,95505	6,430454132	1,09E-15	-1,09E-15	2,42974336	0,004777
2,96005	6,44260888	1,09E-15	-1,092E-15	2,432131845	0,004777
2,96505	6,45477557	1,09E-15	-1,094E-15	2,43452033	0,004777
2,97005	6,466954202	1,1E-15	-1,096E-15	2,436908815	0,004777
2,97505	6,479144777	1,1E-15	-1,098E-15	2,4392973	0,004777
2,98005	6,491347295	1,1E-15	-1,1E-15	2,441685785	0,004777
2,98505	6,503561459	1,1E-15	-1,102E-15	2,443667971	0,001886
2,99005	6,51578218	1,1E-15	-1,103E-15	2,444611202	0,001886
2,99505	6,528007618	1,1E-15	-1,104E-15	2,445554432	0,001886
3,00005	6,540237772	1,1E-15	-1,105E-15	2,446497663	0,001886
3,00505	6,552472642	1,11E-15	-1,106E-15	2,447440894	0,001886
3,01005	6,564712228	1,11E-15	-1,106E-15	2,448384124	0,001886
3,01505	6,57695653	1,11E-15	-1,107E-15	2,449327355	0,001886
3,02005	6,589205549	1,11E-15	-1,108E-15	2,450270586	0,001886

3,02505	6,601459238	1,11E-15	-1,109E-15	2,451060523	-0,00093
3,03005	6,613713362	1,11E-15	-1,108E-15	2,450593975	-0,00093
3,03505	6,625965154	1,11E-15	-1,108E-15	2,450127427	-0,00093
3,04005	6,638214613	1,11E-15	-1,108E-15	2,449660879	-0,00093
3,04505	6,65046174	1,11E-15	-1,107E-15	2,449194331	-0,00093
3,05005	6,662706533	1,11E-15	-1,107E-15	2,448727783	-0,00093
3,05505	6,674948994	1,11E-15	-1,106E-15	2,448261234	-0,00093
3,06005	6,687189122	1,11E-15	-1,106E-15	2,447794686	-0,00093
3,06505	6,699426918	1,11E-15	-1,105E-15	2,447328138	-0,00093
3,07005	6,711666361	1,11E-15	-1,107E-15	2,448532502	0,002611
3,07505	6,72391232	1,11E-15	-1,108E-15	2,449838194	0,002611
3,08005	6,736164808	1,11E-15	-1,109E-15	2,451143886	0,002611
3,08505	6,748423824	1,11E-15	-1,11E-15	2,452449577	0,002611
3,09005	6,760689369	1,11E-15	-1,111E-15	2,453755269	0,002611
3,09505	6,772961442	1,11E-15	-1,112E-15	2,455060961	0,002611
3,10005	6,785240044	1,11E-15	-1,114E-15	2,456366652	0,002611
3,10505	6,797525174	1,11E-15	-1,115E-15	2,457672344	0,002611
3,11005	6,809817753	1,12E-15	-1,116E-15	2,459439197	0,003781
3,11505	6,822119723	1,12E-15	-1,118E-15	2,461329875	0,003781
3,12005	6,834431146	1,12E-15	-1,12E-15	2,463220554	0,003781
3,12505	6,846752023	1,12E-15	-1,122E-15	2,465111233	0,003781
3,13005	6,859082353	1,12E-15	-1,123E-15	2,467001911	0,003781
3,13505	6,871422137	1,13E-15	-1,125E-15	2,46889259	0,003781
3,14005	6,883771374	1,13E-15	-1,127E-15	2,470783269	0,003781
3,14505	6,896130064	1,13E-15	-1,128E-15	2,472673947	0,003781
3,15005	6,908498175	1,13E-15	-1,13E-15	2,474545876	0,003726
3,15505	6,920875609	1,13E-15	-1,132E-15	2,476408851	0,003726
3,16005	6,933262357	1,13E-15	-1,134E-15	2,478271827	0,003726
3,16505	6,94565842	1,14E-15	-1,135E-15	2,480134802	0,003726
3,17005	6,958063798	1,14E-15	-1,137E-15	2,481997777	0,003726
3,17505	6,970478491	1,14E-15	-1,139E-15	2,483860753	0,003726
3,18005	6,982902499	1,14E-15	-1,14E-15	2,485723728	0,003726
3,18505	6,995335822	1,14E-15	-1,142E-15	2,487586703	0,003726

3,19005	7,007778009	1,14E-15	-1,144E-15	2,489161474	0,002789
3,19505	7,020227337	1,14E-15	-1,145E-15	2,490555725	0,002789
3,20005	7,032683636	1,15E-15	-1,146E-15	2,491949976	0,002789
3,20505	7,045146906	1,15E-15	-1,147E-15	2,493344227	0,002789
3,21005	7,057617148	1,15E-15	-1,149E-15	2,494738478	0,002789
3,21505	7,070094361	1,15E-15	-1,15E-15	2,496132729	0,002789
3,22005	7,082578545	1,15E-15	-1,151E-15	2,497526981	0,002789
3,22505	7,0950697	1,15E-15	-1,153E-15	2,498921232	0,002789
3,23005	7,107563513	1,15E-15	-1,151E-15	2,497465197	-0,00679
3,23505	7,12004227	1,15E-15	-1,148E-15	2,494071601	-0,00679
3,24005	7,132504059	1,14E-15	-1,145E-15	2,490678005	-0,00679
3,24505	7,144948881	1,14E-15	-1,142E-15	2,487284409	-0,00679
3,25005	7,157376734	1,14E-15	-1,139E-15	2,483890813	-0,00679
3,25505	7,169787619	1,14E-15	-1,136E-15	2,480497217	-0,00679
3,26005	7,182181536	1,13E-15	-1,133E-15	2,477103622	-0,00679
3,26505	7,194558486	1,13E-15	-1,129E-15	2,473710026	-0,00679
3,27005	7,206920819	1,13E-15	-1,128E-15	2,471997515	-0,00067
3,27505	7,21927996	1,13E-15	-1,128E-15	2,471662221	-0,00067
3,28005	7,231637425	1,13E-15	-1,127E-15	2,471326926	-0,00067
3,28505	7,243993213	1,13E-15	-1,127E-15	2,470991632	-0,00067
3,29005	7,256347324	1,13E-15	-1,127E-15	2,470656337	-0,00067
3,29505	7,268699759	1,13E-15	-1,126E-15	2,470321043	-0,00067
3,30005	7,281050518	1,13E-15	-1,126E-15	2,469985748	-0,00067
3,30505	7,2933996	1,13E-15	-1,126E-15	2,469650454	-0,00067
3,31005	7,305752184	1,13E-15	-1,13E-15	2,473870839	0,019821
3,31505	7,318146562	1,14E-15	-1,139E-15	2,48378128	0,019821
3,32005	7,330590493	1,15E-15	-1,148E-15	2,49369172	0,019821
3,32505	7,343083975	1,16E-15	-1,157E-15	2,50360216	0,019821
3,33005	7,35562701	1,17E-15	-1,166E-15	2,513512598	0,019821
3,33505	7,368219597	1,18E-15	-1,175E-15	2,523423036	0,019821
3,34005	7,380861736	1,18E-15	-1,185E-15	2,533333473	0,019821
3,34505	7,393553427	1,19E-15	-1,194E-15	2,543243909	0,019821
3,35005	7,406287245	1,2E-15	-1,197E-15	2,547138563	-0,00506

3,35505	7,419016555	1,2E-15	-1,195E-15	2,544610374	-0,00506
3,36005	7,431733223	1,19E-15	-1,193E-15	2,542082186	-0,00506
3,36505	7,44443725	1,19E-15	-1,19E-15	2,539553997	-0,00506
3,37005	7,457128636	1,19E-15	-1,188E-15	2,537025808	-0,00506
3,37505	7,469807382	1,19E-15	-1,186E-15	2,53449762	-0,00506
3,38005	7,482473486	1,18E-15	-1,183E-15	2,531969431	-0,00506
3,38505	7,49512695	1,18E-15	-1,181E-15	2,529441242	-0,00506
3,39005	7,50775317	1,17E-15	-1,17E-15	2,517410161	-0,03649
3,39505	7,52029415	1,15E-15	-1,153E-15	2,499164129	-0,03649
3,40005	7,532743899	1,14E-15	-1,136E-15	2,480918101	-0,03649
3,40505	7,545102418	1,12E-15	-1,119E-15	2,462672079	-0,03649
3,41005	7,557369708	1,1E-15	-1,103E-15	2,444426061	-0,03649
3,41505	7,569545767	1,09E-15	-1,086E-15	2,426180049	-0,03649
3,42005	7,581630596	1,07E-15	-1,07E-15	2,407934041	-0,03649
3,42505	7,593624195	1,05E-15	-1,054E-15	2,389688039	-0,03649
3,43005	7,605539846	1,05E-15	-1,048E-15	2,382874406	0,0138
3,43505	7,617471641	1,05E-15	-1,054E-15	2,389774644	0,0138
3,44005	7,629437937	1,06E-15	-1,06E-15	2,396674881	0,0138
3,44505	7,641438735	1,07E-15	-1,066E-15	2,403575118	0,0138
3,45005	7,653474033	1,07E-15	-1,072E-15	2,410475355	0,0138
3,45505	7,665543833	1,08E-15	-1,079E-15	2,417375591	0,0138
3,46005	7,677648134	1,08E-15	-1,085E-15	2,424275827	0,0138
3,46505	7,689786936	1,09E-15	-1,091E-15	2,431176063	0,0138
3,47005	7,701961011	1,1E-15	-1,099E-15	2,439996962	0,039333
3,47505	7,714210653	1,12E-15	-1,117E-15	2,459663218	0,039333
3,48005	7,726558626	1,13E-15	-1,135E-15	2,479329469	0,039332
3,48505	7,739004931	1,15E-15	-1,153E-15	2,498995713	0,039332
3,49005	7,751549567	1,17E-15	-1,171E-15	2,518661951	0,039332
3,49505	7,764192534	1,19E-15	-1,189E-15	2,538328183	0,039332
3,50005	7,776933832	1,21E-15	-1,208E-15	2,557994409	0,039332
3,50505	7,789773461	1,23E-15	-1,226E-15	2,577660629	0,039332
3,51005	7,802709309	1,24E-15	-1,241E-15	2,593287966	-0,00122
3,51505	7,815674208	1,24E-15	-1,241E-15	2,592677831	-0,00122

3,52005	7,828636056	1,24E-15	-1,24E-15	2,592067695	-0,00122
3,52505	7,841594854	1,24E-15	-1,239E-15	2,59145756	-0,00122
3,53005	7,854550602	1,24E-15	-1,239E-15	2,590847425	-0,00122
3,53505	7,867503298	1,24E-15	-1,238E-15	2,59023729	-0,00122
3,54005	7,880452944	1,24E-15	-1,238E-15	2,589627154	-0,00122
3,54505	7,893399539	1,24E-15	-1,237E-15	2,589017019	-0,00122
3,55005	7,906342303	1,24E-15	-1,236E-15	2,58777015	-0,00387
3,55505	7,919276266	1,23E-15	-1,234E-15	2,585834387	-0,00387
3,56005	7,93220055	1,23E-15	-1,232E-15	2,583898624	-0,00387
3,56505	7,945115156	1,23E-15	-1,23E-15	2,581962861	-0,00387
3,57005	7,958020082	1,23E-15	-1,229E-15	2,580027098	-0,00387
3,57505	7,97091533	1,23E-15	-1,227E-15	2,578091335	-0,00387
3,58005	7,983800899	1,22E-15	-1,225E-15	2,576155572	-0,00387
3,58505	7,996676789	1,22E-15	-1,223E-15	2,574219809	-0,00387
3,59005	8,009547413	1,22E-15	-1,223E-15	2,574662839	0,002628
3,59505	8,022424045	1,22E-15	-1,225E-15	2,575976918	0,002628
3,60005	8,035307247	1,23E-15	-1,226E-15	2,577290996	0,002628
3,60505	8,04819702	1,23E-15	-1,227E-15	2,578605074	0,002628
3,61005	8,061093364	1,23E-15	-1,228E-15	2,579919152	0,002628
3,61505	8,073996278	1,23E-15	-1,23E-15	2,581233231	0,002628
3,62005	8,086905762	1,23E-15	-1,231E-15	2,582547309	0,002628
3,62505	8,099821816	1,23E-15	-1,232E-15	2,583861387	0,002628
3,63005	8,112745716	1,23E-15	-1,234E-15	2,585692447	0,003687
3,63505	8,125678834	1,24E-15	-1,236E-15	2,587536	0,003687
3,64005	8,138621169	1,24E-15	-1,238E-15	2,589379553	0,003687
3,64505	8,151572721	1,24E-15	-1,239E-15	2,591223105	0,003687
3,65005	8,164533492	1,24E-15	-1,241E-15	2,593066658	0,003687
3,65505	8,17750348	1,24E-15	-1,243E-15	2,594910211	0,003687
3,66005	8,190482686	1,24E-15	-1,245E-15	2,596753763	0,003687
3,66505	8,203471178	1,25E-15	-1,246E-15	2,598698572	0,004474
3,67005	8,216470318	1,25E-15	-1,249E-15	2,600935391	0,004474
3,67505	8,229480643	1,25E-15	-1,251E-15	2,603172209	0,004474
3,68005	8,242502152	1,25E-15	-1,253E-15	2,605409028	0,004474

3,68505	8,255534845	1,26E-15	-1,255E-15	2,607645847	0,004474
3,69005	8,268578723	1,26E-15	-1,257E-15	2,609882665	0,004474
3,69505	8,281633784	1,26E-15	-1,259E-15	2,612119484	0,004474
3,70005	8,294700029	1,26E-15	-1,262E-15	2,614356302	0,004474
3,70505	8,307778506	1,26E-15	-1,264E-15	2,61729717	0,006881
3,71005	8,320873679	1,27E-15	-1,268E-15	2,620737591	0,006881
3,71505	8,333986054	1,27E-15	-1,271E-15	2,624178013	0,006881
3,72005	8,347115631	1,27E-15	-1,274E-15	2,627618434	0,006881
3,72505	8,36026241	1,28E-15	-1,278E-15	2,631058855	0,006881
3,73005	8,373426392	1,28E-15	-1,281E-15	2,634499276	0,006881
3,73505	8,386607575	1,28E-15	-1,284E-15	2,637939697	0,006881
3,74005	8,399805961	1,29E-15	-1,288E-15	2,641380118	0,006881
3,74505	8,413001992	1,28E-15	-1,283E-15	2,63688477	-0,00939
3,75005	8,426174566	1,28E-15	-1,279E-15	2,632191813	-0,00939
3,75505	8,439323676	1,27E-15	-1,274E-15	2,627498857	-0,00939
3,76005	8,45244932	1,27E-15	-1,27E-15	2,622805901	-0,00939
3,76505	8,4655515	1,27E-15	-1,265E-15	2,618112945	-0,00939
3,77005	8,478630215	1,26E-15	-1,261E-15	2,613419989	-0,00939
3,77505	8,491685465	1,26E-15	-1,256E-15	2,608727033	-0,00939
3,78005	8,504715543	1,25E-15	-1,25E-15	2,602149813	-0,02008
3,78505	8,517700945	1,24E-15	-1,24E-15	2,592111414	-0,02008
3,79005	8,530636155	1,23E-15	-1,231E-15	2,582073015	-0,02008
3,79505	8,543521173	1,22E-15	-1,221E-15	2,572034617	-0,02008
3,80005	8,556355999	1,21E-15	-1,211E-15	2,56199622	-0,02008
3,80505	8,569140633	1,2E-15	-1,202E-15	2,551957823	-0,02008
3,81005	8,581875076	1,19E-15	-1,193E-15	2,541919428	-0,02008
3,81505	8,594559326	1,18E-15	-1,183E-15	2,531881033	-0,02008
3,82005	8,607205443	1,18E-15	-1,182E-15	2,530307803	0,010165
3,82505	8,619869816	1,19E-15	-1,186E-15	2,535390357	0,010165
3,83005	8,632559601	1,19E-15	-1,191E-15	2,540472911	0,010165
3,83505	8,645274799	1,2E-15	-1,196E-15	2,545555465	0,010165
3,84005	8,65801541	1,2E-15	-1,201E-15	2,550638019	0,010165
3,84505	8,670781433	1,21E-15	-1,206E-15	2,555720572	0,010165



3,85005	8,68357287	1,21E-15	-1,21E-15	2,560803126	0,010165
3,85505	8,696389719	1,22E-15	-1,215E-15	2,565885679	0,010165
3,86005	8,709242585	1,23E-15	-1,226E-15	2,576868667	0,026813
3,86505	8,722160779	1,24E-15	-1,238E-15	2,590275104	0,026813
3,87005	8,735146006	1,25E-15	-1,251E-15	2,603681539	0,026813
3,87505	8,748198265	1,26E-15	-1,264E-15	2,617087973	0,026813
3,88005	8,761317556	1,28E-15	-1,277E-15	2,630494404	0,026813
3,88505	8,774503879	1,29E-15	-1,29E-15	2,643900834	0,026813
3,89005	8,787757235	1,3E-15	-1,303E-15	2,657307262	0,026813
3,89505	8,801077437	1,32E-15	-1,316E-15	2,669803674	0,001265
3,90005	8,814428053	1,32E-15	-1,316E-15	2,670436383	0,001265
3,90505	8,827781833	1,32E-15	-1,317E-15	2,671069091	0,001265
3,91005	8,841138776	1,32E-15	-1,317E-15	2,6717018	0,001265
3,91505	8,854498883	1,32E-15	-1,318E-15	2,672334509	0,001265
3,92005	8,867862153	1,32E-15	-1,319E-15	2,672967218	0,001265
3,92505	8,881228586	1,32E-15	-1,319E-15	2,673599927	0,001265
3,93005	8,894598184	1,32E-15	-1,32E-15	2,674232636	0,001265
3,93505	8,907970875	1,32E-15	-1,321E-15	2,674819077	0,001108
3,94005	8,921346369	1,32E-15	-1,321E-15	2,675372903	0,001108
3,94505	8,934724632	1,32E-15	-1,322E-15	2,67592673	0,001108
3,95005	8,948105664	1,32E-15	-1,322E-15	2,676480556	0,001108
3,95505	8,961489465	1,32E-15	-1,323E-15	2,677034383	0,001108
3,96005	8,974876036	1,32E-15	-1,323E-15	2,67758821	0,001108
3,96505	8,988265375	1,32E-15	-1,324E-15	2,678142036	0,001108
3,97005	9,001657487	1,32E-15	-1,324E-15	2,678706069	0,001286
3,97505	9,015052641	1,33E-15	-1,325E-15	2,679349165	0,001286
3,98005	9,028451011	1,33E-15	-1,326E-15	2,679992262	0,001286
3,98505	9,041852596	1,33E-15	-1,326E-15	2,680635358	0,001286
3,99005	9,055257396	1,33E-15	-1,327E-15	2,681278454	0,001286
3,99505	9,068665412	1,33E-15	-1,328E-15	2,681921551	0,001286
4,00005	9,082076644	1,33E-15	-1,328E-15	2,682564647	0,001286
4,00505	9,095491091	1,33E-15	-1,329E-15	2,683207744	0,001286
4,01005	9,108898251	1,32E-15	-1,323E-15	2,677717372	-0,01689

4,01505	9,122265515	1,31E-15	-1,315E-15	2,669272384	-0,01689
4,02005	9,135590553	1,31E-15	-1,307E-15	2,660827397	-0,01689
4,02505	9,148873366	1,3E-15	-1,298E-15	2,652382409	-0,01689
4,03005	9,162113955	1,29E-15	-1,29E-15	2,643937423	-0,01689
4,03505	9,175312318	1,28E-15	-1,282E-15	2,635492436	-0,01689
4,04005	9,188468457	1,27E-15	-1,274E-15	2,62704745	-0,01689
4,04505	9,201582674	1,27E-15	-1,267E-15	2,619605622	0,001163
4,05005	9,214682171	1,27E-15	-1,267E-15	2,620187102	0,001163
4,05505	9,227784575	1,27E-15	-1,268E-15	2,620768581	0,001163
4,06005	9,240889886	1,27E-15	-1,268E-15	2,621350061	0,001163
4,06505	9,253998104	1,27E-15	-1,269E-15	2,62193154	0,001163
4,07005	9,26710923	1,27E-15	-1,269E-15	2,622513019	0,001163
4,07505	9,280223263	1,27E-15	-1,27E-15	2,623094499	0,001163
4,08005	9,293340204	1,27E-15	-1,271E-15	2,623675978	0,001163
4,08505	9,306469936	1,28E-15	-1,279E-15	2,63228089	0,034405
4,09005	9,319674777	1,3E-15	-1,296E-15	2,649483582	0,034405
4,09505	9,332965632	1,31E-15	-1,313E-15	2,66668627	0,034405
4,10005	9,3463425	1,33E-15	-1,329E-15	2,683888955	0,034405
4,10505	9,359805382	1,35E-15	-1,347E-15	2,701091636	0,034405
4,11005	9,373354277	1,36E-15	-1,364E-15	2,718294314	0,034405
4,11505	9,386989185	1,38E-15	-1,381E-15	2,735496988	0,034405
4,12005	9,400710036	1,4E-15	-1,398E-15	2,752162183	0,009043
4,12505	9,414482262	1,4E-15	-1,403E-15	2,756683031	0,009042
4,13005	9,428277093	1,41E-15	-1,407E-15	2,761203879	0,009042
4,13505	9,442094527	1,41E-15	-1,412E-15	2,765724727	0,009042
4,14005	9,455934566	1,42E-15	-1,416E-15	2,770245575	0,009042
4,14505	9,469797209	1,42E-15	-1,421E-15	2,774766424	0,009042
4,15005	9,483682456	1,43E-15	-1,426E-15	2,779287272	0,009042
4,15505	9,497590308	1,43E-15	-1,43E-15	2,78380812	0,009042
4,16005	9,51148011	1,41E-15	-1,415E-15	2,768686033	-0,03899
4,16505	9,525274309	1,39E-15	-1,395E-15	2,749188729	-0,03899
4,17005	9,538971022	1,38E-15	-1,375E-15	2,729691431	-0,03899
4,17505	9,552570249	1,36E-15	-1,356E-15	2,710194137	-0,03899

4,18005	9,566071989	1,34E-15	-1,336E-15	2,690696848	-0,03899
4,18505	9,579476242	1,32E-15	-1,317E-15	2,671199565	-0,03899
4,19005	9,59278301	1,3E-15	-1,298E-15	2,651702287	-0,03899
4,19505	9,605995139	1,28E-15	-1,281E-15	2,634709569	-0,02774
4,20005	9,619133669	1,27E-15	-1,268E-15	2,620840931	-0,02774
4,20505	9,632202855	1,25E-15	-1,254E-15	2,606972295	-0,02774
4,21005	9,645202698	1,24E-15	-1,241E-15	2,593103661	-0,02774
4,21505	9,658133198	1,23E-15	-1,228E-15	2,579235028	-0,02774
4,22005	9,670994355	1,21E-15	-1,215E-15	2,565366398	-0,02774
4,22505	9,683786169	1,2E-15	-1,202E-15	2,551497769	-0,02774
4,23005	9,69650864	1,19E-15	-1,189E-15	2,537629143	-0,02774
4,23505	9,709192146	1,19E-15	-1,191E-15	2,540529816	0,019197
4,24005	9,721919031	1,2E-15	-1,2E-15	2,55012821	0,019197
4,24505	9,734693908	1,21E-15	-1,209E-15	2,559726603	0,019197
4,25005	9,747516777	1,22E-15	-1,218E-15	2,569324996	0,019197
4,25505	9,760387637	1,23E-15	-1,228E-15	2,578923388	0,019197
4,26005	9,77330649	1,24E-15	-1,237E-15	2,588521779	0,019197
4,26505	9,786273335	1,25E-15	-1,246E-15	2,598120169	0,019197
4,27005	9,799288172	1,26E-15	-1,255E-15	2,607718559	0,019197
4,27505	9,812375368	1,27E-15	-1,274E-15	2,627622936	0,041225
4,28005	9,825565529	1,29E-15	-1,294E-15	2,64823532	0,041225
4,28505	9,838858751	1,31E-15	-1,315E-15	2,668847697	0,041225
4,29005	9,852255036	1,34E-15	-1,335E-15	2,689460069	0,041225
4,29505	9,865754383	1,36E-15	-1,356E-15	2,710072434	0,041225
4,30005	9,879356791	1,38E-15	-1,376E-15	2,730684794	0,041225
4,30505	9,893062261	1,4E-15	-1,397E-15	2,751297148	0,041225
4,31005	9,906858709	1,41E-15	-1,408E-15	2,762193371	0,00136
4,31505	9,920671393	1,41E-15	-1,409E-15	2,762873468	0,00136
4,32005	9,934487478	1,41E-15	-1,41E-15	2,763553565	0,00136
4,32505	9,948306963	1,41E-15	-1,41E-15	2,764233662	0,00136
4,33005	9,962129848	1,41E-15	-1,411E-15	2,764913759	0,00136
4,33505	9,975956134	1,41E-15	-1,412E-15	2,765593856	0,00136
4,34005	9,989785821	1,41E-15	-1,412E-15	2,766273953	0,00136

4,34505	10,00361417	1,41E-15	-1,406E-15	2,759733036	-0,05584
4,35005	10,01734233	1,38E-15	-1,377E-15	2,73181095	-0,05584
4,35505	10,03093088	1,35E-15	-1,349E-15	2,703888878	-0,05584
4,36005	10,04437982	1,32E-15	-1,322E-15	2,675966821	-0,05584
4,36505	10,05768916	1,29E-15	-1,294E-15	2,64804478	-0,05584
4,37005	10,07085888	1,27E-15	-1,267E-15	2,620122754	-0,05584
4,37505	10,08388899	1,24E-15	-1,24E-15	2,592200744	-0,05584
4,38005	10,09677949	1,21E-15	-1,214E-15	2,56427875	-0,05584
4,38505	10,10956965	1,21E-15	-1,207E-15	2,557340516	0,000977
4,39005	10,12235759	1,21E-15	-1,208E-15	2,557829262	0,000977
4,39505	10,13514797	1,21E-15	-1,208E-15	2,558318008	0,000977
4,40005	10,14794079	1,21E-15	-1,208E-15	2,558806754	0,000977
4,40505	10,16073606	1,21E-15	-1,209E-15	2,5592955	0,000977
4,41005	10,17353377	1,21E-15	-1,209E-15	2,559784246	0,000977
4,41505	10,18633392	1,21E-15	-1,21E-15	2,560272992	0,000977
4,42005	10,19913652	1,21E-15	-1,21E-15	2,560761738	0,000977
4,42505	10,21199618	1,23E-15	-1,233E-15	2,584673597	0,051753
4,43005	10,22498489	1,26E-15	-1,258E-15	2,610549842	0,051752
4,43505	10,23810297	1,28E-15	-1,283E-15	2,636426075	0,051752
4,44005	10,25135044	1,31E-15	-1,308E-15	2,662302294	0,051752
4,44505	10,26472729	1,33E-15	-1,334E-15	2,688178502	0,051752
4,45005	10,27823352	1,36E-15	-1,36E-15	2,714054698	0,051752
4,45505	10,29186913	1,39E-15	-1,386E-15	2,739930881	0,051752
4,46005	10,30562911	1,41E-15	-1,407E-15	2,760901075	0,027162
4,46505	10,3194679	1,42E-15	-1,421E-15	2,774481842	0,027162
4,47005	10,3333746	1,43E-15	-1,435E-15	2,788062608	0,027162
4,47505	10,34734921	1,45E-15	-1,449E-15	2,801643372	0,027162
4,48005	10,36139172	1,46E-15	-1,463E-15	2,815224134	0,027162
4,48505	10,37550213	1,48E-15	-1,477E-15	2,828804895	0,027162
4,49005	10,38968044	1,49E-15	-1,491E-15	2,842385654	0,027162
4,49505	10,4039234	1,5E-15	-1,5E-15	2,851237765	-0,00836
4,50005	10,41816903	1,5E-15	-1,496E-15	2,847057088	-0,00836
4,50505	10,43239376	1,49E-15	-1,492E-15	2,842876411	-0,00836

4,51005	10,44659758	1,49E-15	-1,487E-15	2,838695734	-0,00836
4,51505	10,46078051	1,48E-15	-1,483E-15	2,834515057	-0,00836
4,52005	10,47494253	1,48E-15	-1,479E-15	2,830334381	-0,00836
4,52505	10,48908364	1,47E-15	-1,474E-15	2,826153704	-0,00836
4,53005	10,50320315	1,47E-15	-1,469E-15	2,820745698	-0,01962
4,53505	10,51728212	1,46E-15	-1,458E-15	2,810937253	-0,01962
4,54005	10,53131204	1,45E-15	-1,448E-15	2,801128808	-0,01962
4,54505	10,54529291	1,44E-15	-1,438E-15	2,791320364	-0,01962
4,55005	10,55922475	1,43E-15	-1,428E-15	2,781511921	-0,01962
4,55505	10,57310754	1,42E-15	-1,418E-15	2,771703478	-0,01962
4,56005	10,58694129	1,41E-15	-1,408E-15	2,761895036	-0,01962
4,56505	10,60072606	1,4E-15	-1,398E-15	2,752541992	0,00128
4,57005	10,61449039	1,4E-15	-1,399E-15	2,753182428	0,001281
4,57505	10,62825792	1,4E-15	-1,4E-15	2,753822862	0,001281
4,58005	10,64202865	1,4E-15	-1,4E-15	2,754463297	0,001281
4,58505	10,65580259	1,4E-15	-1,401E-15	2,755103732	0,001281
4,59005	10,66957972	1,4E-15	-1,402E-15	2,755744167	0,001281
4,59505	10,68336006	1,4E-15	-1,402E-15	2,756384602	0,001281
4,60005	10,6971436	1,4E-15	-1,403E-15	2,757025037	0,001281
4,60505	10,71093164	1,4E-15	-1,404E-15	2,758322338	0,002957
4,61005	10,72472699	1,41E-15	-1,406E-15	2,759801075	0,002957
4,61505	10,73852973	1,41E-15	-1,407E-15	2,761279813	0,002957
4,62005	10,75233986	1,41E-15	-1,409E-15	2,762758551	0,002957
4,62505	10,76615739	1,41E-15	-1,41E-15	2,764237288	0,002957
4,63005	10,77998231	1,41E-15	-1,412E-15	2,765716026	0,002957
4,63505	10,79381462	1,41E-15	-1,413E-15	2,767194764	0,002957
4,64005	10,80765372	1,41E-15	-1,414E-15	2,768235314	0,001346
4,64505	10,8214966	1,42E-15	-1,415E-15	2,768908387	0,001346
4,65005	10,83534284	1,42E-15	-1,416E-15	2,76958146	0,001346
4,65505	10,84919245	1,42E-15	-1,416E-15	2,770254533	0,001346
4,66005	10,86304542	1,42E-15	-1,417E-15	2,770927606	0,001346
4,66505	10,87690176	1,42E-15	-1,418E-15	2,771600678	0,001346
4,67005	10,89076146	1,42E-15	-1,419E-15	2,772273751	0,001346

4,67505	10,90462471	1,42E-15	-1,419E-15	2,773168197	0,002711
4,68005	10,91849398	1,42E-15	-1,421E-15	2,774523716	0,002711
4,68505	10,93237002	1,42E-15	-1,422E-15	2,775879235	0,002711
4,69005	10,94625284	1,42E-15	-1,424E-15	2,777234754	0,002711
4,69505	10,96014243	1,42E-15	-1,425E-15	2,778590273	0,002711
4,70005	10,97403881	1,43E-15	-1,426E-15	2,779945792	0,002711
4,70505	10,98794196	1,43E-15	-1,428E-15	2,78130131	0,002711
4,71005	11,00185188	1,43E-15	-1,429E-15	2,782624188	0,002185
4,71505	11,01576776	1,43E-15	-1,43E-15	2,783716535	0,002185
4,72005	11,0296891	1,43E-15	-1,431E-15	2,784808883	0,002185
4,72505	11,0436159	1,43E-15	-1,432E-15	2,78590123	0,002185
4,73005	11,05754817	1,43E-15	-1,434E-15	2,786993577	0,002185
4,73505	11,07148589	1,43E-15	-1,435E-15	2,788085925	0,002185
4,74005	11,08542908	1,44E-15	-1,436E-15	2,789178272	0,002185
4,74505	11,09937773	1,44E-15	-1,437E-15	2,79027062	0,002185
4,75005	11,11333069	1,44E-15	-1,438E-15	2,790881536	0,001167
4,75505	11,12728657	1,44E-15	-1,438E-15	2,791465158	0,001167
4,76005	11,14124537	1,44E-15	-1,439E-15	2,79204878	0,001167
4,76505	11,15520709	1,44E-15	-1,439E-15	2,792632403	0,001167
4,77005	11,16917172	1,44E-15	-1,44E-15	2,793216025	0,001167
4,77505	11,18313928	1,44E-15	-1,441E-15	2,793799647	0,001167
4,78005	11,19710975	1,44E-15	-1,441E-15	2,79438327	0,001167
4,78505	11,21108293	1,44E-15	-1,442E-15	2,794861967	0,0009
4,79005	11,22505838	1,44E-15	-1,442E-15	2,795311763	0,0009
4,79505	11,23903607	1,44E-15	-1,443E-15	2,795761559	0,0009
4,80005	11,25301601	1,44E-15	-1,443E-15	2,796211355	0,0009
4,80505	11,26699821	1,44E-15	-1,444E-15	2,796661151	0,0009
4,81005	11,28098265	1,44E-15	-1,444E-15	2,797110948	0,0009
4,81505	11,29496934	1,44E-15	-1,444E-15	2,797560744	0,0009
4,82005	11,30895848	1,45E-15	-1,445E-15	2,798136334	0,001298
4,82505	11,3229508	1,45E-15	-1,446E-15	2,798785381	0,001298
4,83005	11,33694637	1,45E-15	-1,446E-15	2,799434427	0,001298
4,83505	11,35094518	1,45E-15	-1,447E-15	2,800083474	0,001298

4,84005	11,36494723	1,45E-15	-1,448E-15	2,80073252	0,001298
4,84505	11,37895253	1,45E-15	-1,448E-15	2,801381566	0,001298
4,85005	11,39296108	1,45E-15	-1,449E-15	2,802030613	0,001298
4,85505	11,40697493	1,45E-15	-1,451E-15	2,804331373	0,00806
4,86005	11,42100676	1,46E-15	-1,456E-15	2,808361386	0,00806
4,86505	11,43505875	1,46E-15	-1,46E-15	2,812391398	0,00806
4,87005	11,44913088	1,46E-15	-1,464E-15	2,816421411	0,00806
4,87505	11,46322316	1,47E-15	-1,468E-15	2,820451423	0,00806
4,88005	11,4773356	1,47E-15	-1,472E-15	2,824481435	0,00806
4,88505	11,49146818	1,48E-15	-1,477E-15	2,828511448	0,00806
4,89005	11,5056198	1,48E-15	-1,48E-15	2,831426898	0,002316
4,89505	11,51977986	1,48E-15	-1,481E-15	2,83258486	0,002316
4,90005	11,53394571	1,48E-15	-1,482E-15	2,833742822	0,002316
4,90505	11,54811735	1,48E-15	-1,483E-15	2,834900784	0,002316
4,91005	11,56229477	1,48E-15	-1,485E-15	2,836058746	0,002316
4,91505	11,57647799	1,49E-15	-1,486E-15	2,837216708	0,002316
4,92005	11,590667	1,49E-15	-1,487E-15	2,838374669	0,002316
4,92505	11,6048628	1,49E-15	-1,489E-15	2,840703844	0,009338
4,93005	11,61907811	1,49E-15	-1,494E-15	2,845372987	0,009338
4,93505	11,63331677	1,5E-15	-1,499E-15	2,850042129	0,009338
4,94005	11,64757877	1,5E-15	-1,504E-15	2,854711272	0,009338
4,94505	11,66186411	1,51E-15	-1,509E-15	2,859380414	0,009338
4,95005	11,6761728	1,51E-15	-1,514E-15	2,864049556	0,009338
4,95505	11,69050484	1,52E-15	-1,519E-15	2,868718699	0,009338
4,96005	11,70486025	1,52E-15	-1,524E-15	2,873416945	0,009515
4,96505	11,71923935	1,53E-15	-1,529E-15	2,87817441	0,009515
4,97005	11,73364223	1,53E-15	-1,534E-15	2,882931875	0,009515
4,97505	11,7480689	1,54E-15	-1,539E-15	2,887689339	0,009515
4,98005	11,76251936	1,54E-15	-1,544E-15	2,892446804	0,009515
4,98505	11,77699361	1,55E-15	-1,549E-15	2,897204269	0,009515
4,99005	11,79149164	1,55E-15	-1,554E-15	2,901961733	0,009515
4,99505	11,80601168	1,56E-15	-1,558E-15	2,904996256	0,001011