x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0	0	1	0	∞	1	∞
0.0010	0.00100000	0.99999950	0.001000000	999.9996667	1.000000500	1000.000167
0.0020	0.00200000	0.99999800	0.002000003	499.9993333	1.000002000	500.0003333
0.0030	0.00300000	0.99999550	0.003000009	333.3323333	1.000004500	333.3338333
0.0040	0.00399999	0.99999200	0.004000021	249.9986667	1.000008000	250.0006667
0.0050	0.00499998	0.99998750	0.005000042	199.9983333	1.000012500	200.0008333
0.0060	0.00599996	0.99998200	0.006000072	166.6646667	1.000018000	166.6676667
0.0070	0.00699994	0.99997550	0.007000114	142.8548095	1.000024501	142.8583095
0.0080	0.00799991	0.99996800	0.008000171	124.9973333	1.000032001	125.0013333
0.0090	0.00899988	0.99995950	0.009000243	111.1081111	1.000040501	111.1126111
0.0100	0.00999983	0.99995000	0.010000333	99.99666664	1.000050002	100.0016667
0.0110	0.01099978	0.99993950	0.011000444	90.90542421	1.000060503	90.91092427
0.0120	0.01199971	0.99992800	0.012000576	83.32933330	1.000072004	83.33533337
0.0130	0.01299963	0.99991550	0.013000732	76.91874354	1.000084506	76.92524363
0.0140	0.01399954	0.99990200	0.014000915	71.42390470	1.000098008	71.43090482
0.0150	0.01499944	0.99988750	0.015001125	66.66166659	1.000112511	66.66916673
0.0160	0.01599932	0.99987200	0.016001365	62.49466658	1.000128014	62.50266675
0.0170	0.01699918	0.99985550	0.017001638	58.81786264	1.000144517	58.82636284
0.0180	0.01799903	0.99983800	0.018001944	55.54955543	1.000162022	55.55855567
0.0190	0.01899886	0.99981951	0.019002287	52.62524546	1.000180527	52.63474575
0.0200	0.01999867	0.99980001	0.020002667	49.99333316	1.000200033	50.00333349
0.0210	0.02099846	0.99977951	0.021003088	47.61204741	1.000220541	47.62254780
0.0220	0.02199823	0.99975801	0.022003550	45.44721188	1.000242049	45.45821233
0.0230	0.02299797	0.99973551	0.023004057	43.47059393	1.000264558	43.48209444
0.0240	0.02399770	0.99971201	0.024004609	41.65866636	1.000288069	41.67066694
0.0250	0.02499740	0.99968752	0.025005210	39.99166632	1.000312581	40.00416697
0.0260	0.02599707	0.99966202	0.026005860	38.45287140	1.000338095	38.46587214
0.0270	0.02699672	0.99963552	0.027006563	37.02803660	1.000364611	37.04153742
0.0280	0.02799634	0.99960803	0.028007320	35.70495189	1.000392128	35.71895281
0.0290	0.02899594	0.99957953	0.029008132	34.47309141	1.000420647	34.48759243
0.0300	0.02999550	0.99955003	0.030009003	33.32333273	1.000450169	33.33833386
0.0310	0.03099504	0.99951954	0.031009934	32.24773052	1.000480692	32.26323176
0.0320	0.03199454	0.99948804	0.032010927	31.23933260	1.000512219	31.25533397
0.0330	0.03299401	0.99945555	0.033011984	30.29202950	1.000544747	30.30853100
0.0340	0.03399345	0.99942206	0.034013107	29.40043050	1.000578279	29.41743214
0.0350	0.03499285	0.99938756	0.035014299	28.55976095	1.000612813	28.57726274
0.0360	0.03599222	0.99935207	0.036015560	27.76577674	1.000648350	27.78377868
0.0370	0.03699156	0.99931558	0.037016894	27.01469257	1.000684891	27.03319468
0.0380	0.03799086	0.99927809	0.038018301	26.30312159	1.000722435	26.32212387
0.0390	0.03899011	0.99923960	0.039019785	25.62802432	1.000760982	25.64752680
0.0400	0.03998933	0.99920011	0.040021347	24.98666524	1.000800534	25.00666791
0.0410	0.04098851	0.99915962	0.041022989	24.37657570	1.000841089	24.39707858
0.0420	0.04198765	0.99911813	0.042024713	23.79552216	1.000882649	23.81652525
0.0430	0.04298675	0.99907564	0.043026522	23.24147885	1.000925213	23.26298217
0.0440	0.04398580	0.99903216	0.044028417	22.71260417	1.000968781	22.73460772
0.0450	0.04498481	0.99898767	0.045030400	22.20722020	1.001013355	22.22972399
0.0460	0.04598378	0.99894219	0.046032473	21.72379494	1.001058934	21.74679900
0.0470	0.04698270	0.99889570	0.047034638	21.26092677	1.001105518	21.28443110
0.0480	0.04798157	0.99884822	0.048036898	20.81733088	1.001153107	20.84133548
0.0490	0.04898039	0.99879974	0.049039254	20.39182732	1.001201702	20.41633222

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.0500	0.04997917	0.99875026	0.050041708	19.98333056	1.001251303	20.00833576
0.0510	0.05097789	0.99869978	0.051044263	19.59084019	1.001301911	19.61634572
0.0520	0.05197657	0.99864830	0.052046920	19.21343277	1.001353525	19.23943863
0.0530	0.05297519	0.99859583	0.053049681	18.85025455	1.001406146	18.87676076
0.0540	0.05397376	0.99854235	0.054052549	18.50051502	1.001459774	18.52752158
0.0550	0.05497228	0.99848788	0.055055526	18.16348115	1.001514409	18.19098808
0.0560	0.05597074	0.99843241	0.056058612	17.83847229	1.001570051	17.86647961
0.0570	0.05696914	0.99837594	0.057061811	17.52485553	1.001626702	17.55336325
0.0580	0.05796749	0.99831847	0.058065125	17.22204164	1.001684361	17.25104977
0.0590	0.05896578	0.99826000	0.059068555	16.92948131	1.001743028	16.95898987
0.0600	0.05996401	0.99820054	0.060072104	16.64666186	1.001802704	16.67667087
0.0610	0.06096218	0.99814008	0.061075773	16.37310424	1.001863389	16.40361370
0.0620	0.06196029	0.99807862	0.062079565	16.10836029	1.001925083	16.13937023
0.0630	0.06295833	0.99801616	0.063083482	15.85201031	1.001987787	15.88352074
0.0640	0.06395632	0.99795270	0.064087525	15.60366084	1.002051501	15.63567177
0.0650	0.06495424	0.99788824	0.065091697	15.36294261	1.002116225	15.39545406
0.0660	0.06595209	0.99782279	0.066095999	15.12950876	1.002181960	15.16252074
0.0670	0.06694988	0.99775634	0.067100435	14.90303312	1.002248706	14.93654565
0.0680	0.06794761	0.99768889	0.068105005	14.68320870	1.002316463	14.71722180
0.0690	0.06894526	0.99762044	0.069109712	14.46974632	1.002385231	14.50426001
0.0700	0.06994285	0.99755100	0.070114558	14.26237333	1.002455012	14.29738762
0.0710	0.07094036	0.99748056	0.071119545	14.06083242	1.002525805	14.09634734
0.0720	0.07193781	0.99740912	0.072124675	13.86488059	1.002597611	13.90089615
0.0730	0.07293518	0.99733668	0.073129949	13.67428815	1.002670429	13.71080437
0.0740	0.07393248	0.99726325	0.074135371	13.48883784	1.002744261	13.52585473
0.0750	0.07492971	0.99718882	0.075140942	13.30832395	1.002819107	13.34584154
0.0760	0.07592686	0.99711339	0.076146664	13.13255164	1.002894967	13.17056994
0.0770	0.07692393	0.99703696	0.077152539	12.96133617	1.002971841	12.99985520
0.0780	0.07792093	0.99695954	0.078158570	12.79450227	1.003049731	12.83352205
0.0790	0.07891785	0.99688112	0.079164758	12.63188355	1.003128635	12.67140411
0.0800	0.07991469	0.99680171	0.080171105	12.47332195	1.003208556	12.51334330
0.0810	0.08091146	0.99672129	0.081177613	12.31866720	1.003289492	12.35918935
0.0820	0.08190814	0.99663988	0.082184285	12.16777636	1.003371445	12.20879935
0.0830	0.08290473	0.99655748	0.083191122	12.02051339	1.003454415	12.06203723
0.0840	0.08390125	0.99647407	0.084198127	11.87674872	1.003538402	11.91877344
0.0850	0.08489768	0.99638967	0.085205302	11.73635889	1.003623407	11.77888450
0.0860	0.08589403	0.99630428	0.086212648	11.59922617	1.003709430	11.64225269
0.0870	0.08689029	0.99621789	0.087220168	11.46523823	1.003796472	11.50876569
0.0880	0.08788647	0.99613050	0.088227863	11.33428788	1.003884533	11.37831629
0.0890	0.08888255	0.99604211	0.089235737	11.20627271	1.003973614	11.25080211
0.0900	0.08987855	0.99595273	0.090243790	11.08109490	1.004063714	11.12612530
0.0910	0.09087446	0.99586236	0.091252025	10.95866090	1.004154835	11.00419232
0.0920	0.09187027	0.99577098	0.092260444	10.83888123	1.004246976	10.88491370
0.0930	0.09286600	0.99567862	0.093269050	10.72167028	1.004340139	10.76820383
0.0940	0.09386163	0.99558525	0.094277843	10.60694607	1.004434324	10.65398070
0.0950	0.09485717	0.99549089	0.095286827	10.49463005	1.004529531	10.54216581
0.0960	0.09585261	0.99539554	0.096296003	10.38464699	1.004625761	10.43268389
0.0970	0.09684796	0.99529919	0.097305374	10.27692472	1.004723014	10.32546278
0.0980	0.09784321	0.99520184	0.098314941	10.17139403	1.004821291	10.22043328
0.0990	0.09883836	0.99510350	0.099324706	10.06798852	1.004920592	10.11752899

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.1000	0.09983342	0.99500417	0.100334672	9.966644423	1.005020918	10.01668613
0.1010	0.10082837	0.99490383	0.101344841	9.867300514	1.005122270	9.917843488
0.1020	0.10182322	0.99480251	0.102355214	9.769897963	1.005224646	9.820942226
0.1030	0.10281798	0.99470019	0.103365795	9.674380223	1.005328050	9.725925802
0.1040	0.10381262	0.99459687	0.104376584	9.580692926	1.005432480	9.632739846
0.1050	0.10480717	0.99449256	0.105387584	9.488783772	1.005537937	9.541332059
0.1060	0.10580161	0.99438726	0.106398798	9.398602435	1.005644422	9.451652117
0.1070	0.10679594	0.99428096	0.107410226	9.310100473	1.005751936	9.363651575
0.1080	0.10779017	0.99417367	0.108421872	9.223231235	1.005860479	9.277283784
0.1090	0.10878429	0.99406538	0.109433738	9.137949782	1.005970051	9.192503806
0.1100	0.10977830	0.99395610	0.110445825	9.054212812	1.006080653	9.109268338
0.1110	0.11077220	0.99384582	0.111458135	8.971978582	1.006192286	9.027535636
0.1120	0.11176599	0.99373455	0.112470671	8.891206837	1.006304950	8.947265449
0.1130	0.11275967	0.99362229	0.113483435	8.811858752	1.006418646	8.868418950
0.1140	0.11375324	0.99350903	0.114496429	8.733896861	1.006533374	8.790958672
0.1150	0.11474669	0.99339478	0.115509655	8.657285001	1.006649135	8.714848454
0.1160	0.11574003	0.99327954	0.116523114	8.581988257	1.006765929	8.640053382
0.1170	0.11673325	0.99316330	0.117536811	8.507972909	1.006883758	8.566539734
0.1180	0.11772635	0.99304607	0.118550745	8.435206378	1.007002621	8.494274933
0.1190	0.11871934	0.99292785	0.119564920	8.363657179	1.007122520	8.423227494
0.1200	0.11971221	0.99280864	0.120579337	8.293294881	1.007243454	8.353366984
0.1210	0.12070496	0.99268843	0.121593999	8.224090054	1.007365426	8.284663977
0.1220	0.12169758	0.99256723	0.122608908	8.156014235	1.007488434	8.217090008
0.1230	0.12269009	0.99244503	0.123624066	8.089039889	1.007612480	8.150617542
0.1240	0.12368247	0.99232185	0.124639475	8.023140364	1.007737564	8.085219929
0.1250	0.12467473	0.99219767	0.125655137	7.958289866	1.007863688	8.020871373
0.1260	0.12566687	0.99207250	0.126671054	7.894463416	1.007990851	7.957546898
0.1270	0.12665888	0.99194633	0.127687228	7.831636825	1.008119055	7.895222312
0.1280	0.12765076	0.99181918	0.128703663	7.769786657	1.008248299	7.833874182
0.1290	0.12864252	0.99169103	0.129720358	7.708890205	1.008378585	7.773479799
0.1300	0.12963414	0.99156189	0.130737318	7.648925458	1.008509914	7.714017155
0.1310	0.13062564	0.99143176	0.131754544	7.589871080	1.008642285	7.655464912
0.1320	0.13161701	0.99130064	0.132772037	7.531706380	1.008775700	7.597802380
0.1330	0.13260824	0.99116853	0.133789801	7.474411290	1.008910160	7.541009490
0.1340	0.13359934	0.99103543	0.134807837	7.417966340	1.009045664	7.485066775
0.1350	0.13459031	0.99090133	0.135826148	7.362352637	1.009182215	7.429955340
0.1360	0.13558114	0.99076625	0.136844736	7.307551845	1.009319811	7.375656850
0.1370	0.13657184	0.99063017	0.137863602	7.253546163	1.009458455	7.322153504
0.1380	0.13756240	0.99049310	0.138882749	7.200318304	1.009598147	7.269428016
0.1390	0.13855283	0.99035504	0.139902179	7.147851481	1.009738887	7.217463598
0.1400	0.13954311	0.99021600	0.140921895	7.096129384	1.009880676	7.166243942
0.1410	0.14053326	0.99007596	0.141941898	7.045136170	1.010023516	7.115753203
0.1420	0.14152327	0.98993493	0.142962191	6.994856437	1.010167406	7.065975981
0.1430	0.14251313	0.98979291	0.143982775	6.945275217	1.010312348	7.016897309
0.1440	0.14350285	0.98964990	0.145003654	6.896377958	1.010458341	6.968502632
0.1450	0.14449243	0.98950591	0.146024828	6.848150508	1.010605388	6.920777801
0.1460	0.14548186	0.98936092	0.147046301	6.800579103	1.010753489	6.873709052
0.1470	0.14647115	0.98921494	0.148068074	6.753650353	1.010902643	6.827282995
0.1480	0.14746029	0.98906798	0.149090150	6.707351233	1.011052854	6.781486604
0.1490	0.14844929	0.98892002	0.150112530	6.661669064	1.011204120	6.736307201

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.1500	0.14943813	0.98877108	0.151135218	6.616591506	1.011356443	6.691732448
0.1510	0.15042683	0.98862115	0.152158215	6.572106546	1.011509823	6.647750331
0.1520	0.15141537	0.98847022	0.153181523	6.528202489	1.011664262	6.604349154
0.1530	0.15240377	0.98831831	0.154205145	6.484867944	1.011819760	6.561517527
0.1540	0.15339201	0.98816542	0.155229082	6.442091815	1.011976318	6.519244354
0.1550	0.15438010	0.98801153	0.156253338	6.399863294	1.012133937	6.477518829
0.1560	0.15536803	0.98785666	0.157277913	6.358171849	1.012292617	6.436330419
0.1570	0.15635581	0.98770079	0.158302811	6.317007218	1.012452359	6.395668862
0.1580	0.15734343	0.98754395	0.159328033	6.276359397	1.012613165	6.355524155
0.1590	0.15833090	0.98738611	0.160353583	6.236218634	1.012775035	6.315886545
0.1600	0.15931821	0.98722728	0.161379461	6.196575422	1.012937970	6.276746527
0.1610	0.16030535	0.98706747	0.162405670	6.157420488	1.013101970	6.238094827
0.1620	0.16129234	0.98690667	0.163432213	6.118744791	1.013267037	6.199922404
0.1630	0.16227917	0.98674489	0.164459091	6.080539509	1.013433171	6.162220437
0.1640	0.16326583	0.98658211	0.165486307	6.042796036	1.013600374	6.124980321
0.1650	0.16425233	0.98641836	0.166513863	6.005505976	1.013768646	6.088193659
0.1660	0.16523867	0.98625361	0.167541761	5.968661134	1.013937987	6.051852256
0.1670	0.16622484	0.98608788	0.168570004	5.932253511	1.014108400	6.015948114
0.1680	0.16721084	0.98592116	0.169598594	5.896275299	1.014279884	5.980473426
0.1690	0.16819668	0.98575346	0.170627532	5.860718875	1.014452441	5.945420568
0.1700	0.16918235	0.98558477	0.171656822	5.825576795	1.014626071	5.910782097
0.1710	0.17016785	0.98541509	0.172686465	5.790841790	1.014800776	5.876550743
0.1720	0.17115318	0.98524443	0.173716464	5.756506759	1.014976556	5.842719407
0.1730	0.17213834	0.98507279	0.174746821	5.722564765	1.015153413	5.809281151
0.1740	0.17312332	0.98490015	0.175777538	5.689009031	1.015331346	5.776229199
0.1750	0.17410814	0.98472654	0.176808617	5.655832935	1.015510358	5.743556929
0.1760	0.17509278	0.98455194	0.177840061	5.623030006	1.015690449	5.711257869
0.1770	0.17607724	0.98437635	0.178871872	5.590593918	1.015871619	5.679325695
0.1780	0.17706153	0.98419978	0.179904052	5.558518488	1.016053871	5.647754224
0.1790	0.17804564	0.98402223	0.180936604	5.526797670	1.016237204	5.616537411
0.1800	0.17902957	0.98384369	0.181969529	5.495425554	1.016421620	5.585669344
0.1810	0.18001333	0.98366417	0.183002830	5.464396361	1.016607120	5.555144245
0.1820	0.18099690	0.98348367	0.184036510	5.433704436	1.016793704	5.524956461
0.1830	0.18198029	0.98330218	0.185070570	5.403344250	1.016981374	5.495100462
0.1840	0.18296351	0.98311971	0.186105013	5.373310394	1.017170131	5.465570839
0.1850	0.18394653	0.98293625	0.187139841	5.343597576	1.017359976	5.436362300
0.1860	0.18492938	0.98275181	0.188175056	5.314200616	1.017550909	5.407469666
0.1870	0.18591204	0.98256639	0.189210661	5.285114448	1.017742931	5.378887871
0.1880	0.18689451	0.98237999	0.190246658	5.256334111	1.017936045	5.350611955
0.1890	0.18787680	0.98219260	0.191283050	5.227854751	1.018130250	5.322637062
0.1900	0.18885889	0.98200424	0.192319838	5.199671613	1.018325547	5.294958440
0.1910	0.18984080	0.98181489	0.193357024	5.171780046	1.018521938	5.267571437
0.1920	0.19082252	0.98162455	0.194394612	5.144175493	1.018719424	5.240471496
0.1930	0.19180405	0.98143324	0.195432604	5.116853491	1.018918006	5.213654155
0.1940	0.19278539	0.98124095	0.196471001	5.089809672	1.019117684	5.187115046
0.1950	0.19376653	0.98104767	0.197509806	5.063039754	1.019318460	5.160849887
0.1960	0.19474749	0.98085341	0.198549022	5.036539545	1.019520335	5.134854486
0.1970	0.19572824	0.98065817	0.199588650	5.010304938	1.019723310	5.109124736
0.1980	0.19670880	0.98046196	0.200628694	4.984331906	1.019927386	5.083656612
0.1990	0.19768917	0.98026476	0.201669155	4.958616507	1.020132564	5.058446171

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.2000	0.19866933	0.98006658	0.202710036	4.933154876	1.020338845	5.033489548
0.2010	0.19964930	0.97986742	0.203751338	4.907943223	1.020546230	5.008782954
0.2020	0.20062907	0.97966728	0.204793066	4.882977837	1.020754721	4.984322678
0.2030	0.20160863	0.97946616	0.205835219	4.858255077	1.020964317	4.960105079
0.2040	0.20258800	0.97926406	0.206877803	4.833771374	1.021175022	4.936126589
0.2050	0.20356716	0.97906098	0.207920817	4.809523230	1.021386835	4.912383709
0.2060	0.20454612	0.97885693	0.208964265	4.785507214	1.021599757	4.888873009
0.2070	0.20552487	0.97865189	0.210008150	4.761719961	1.021813791	4.865591124
0.2080	0.20650342	0.97844588	0.211052473	4.738158171	1.022028936	4.842534755
0.2090	0.20748176	0.97823889	0.212097237	4.714818607	1.022245195	4.819700665
0.2100	0.20845990	0.97803091	0.213142444	4.691698094	1.022462567	4.797085678
0.2110	0.20943783	0.97782197	0.214188097	4.668793516	1.022681055	4.774686681
0.2120	0.21041554	0.97761204	0.215234198	4.646101819	1.022900660	4.752500617
0.2130	0.21139305	0.97740113	0.216280750	4.623620002	1.023121382	4.730524487
0.2140	0.21237035	0.97718925	0.217327754	4.601345123	1.023343223	4.708755350
0.2150	0.21334743	0.97697639	0.218375213	4.579274294	1.023566184	4.687190317
0.2160	0.21432430	0.97676256	0.219423130	4.557404681	1.023790267	4.665826553
0.2170	0.21530095	0.97654775	0.220471507	4.535733501	1.024015471	4.644661278
0.2180	0.21627739	0.97633196	0.221520346	4.514258022	1.024241799	4.623691760
0.2190	0.21725362	0.97611519	0.222569650	4.492975564	1.024469252	4.602915318
0.2200	0.21822962	0.97589745	0.223619422	4.471883494	1.024697831	4.582329318
0.2210	0.21920541	0.97567873	0.224669662	4.450979226	1.024927538	4.561931178
0.2220	0.22018098	0.97545904	0.225720375	4.430260223	1.025158372	4.541718358
0.2230	0.22115633	0.97523837	0.226771563	4.409723992	1.025390336	4.521688366
0.2240	0.22213146	0.97501673	0.227823227	4.389368083	1.025623431	4.501838754
0.2250	0.22310636	0.97479411	0.228875370	4.369190093	1.025857658	4.482167117
0.2260	0.22408104	0.97457051	0.229927995	4.349187659	1.026093019	4.462671094
0.2270	0.22505550	0.97434595	0.230981105	4.329358460	1.026329514	4.443348363
0.2280	0.22602974	0.97412040	0.232034701	4.309700216	1.026567145	4.424196645
0.2290	0.22700374	0.97389389	0.233088786	4.290210687	1.026805913	4.405213700
0.2300	0.22797752	0.97366640	0.234143362	4.270887673	1.027045819	4.386397328
0.2310	0.22895108	0.97343793	0.235198433	4.251729010	1.027286865	4.367745365
0.2320	0.22992440	0.97320849	0.236254000	4.232732571	1.027529052	4.349255686
0.2330	0.23089749	0.97297808	0.237310066	4.213896269	1.027772381	4.330926202
0.2340	0.23187035	0.97274670	0.238366633	4.195218049	1.028016854	4.312754860
0.2350	0.23284299	0.97251434	0.239423704	4.176695893	1.028262471	4.294739641
0.2360	0.23381538	0.97228101	0.240481281	4.158327816	1.028509235	4.276878561
0.2370	0.23478755	0.97204671	0.241539367	4.140111868	1.028757146	4.259169670
0.2380	0.23575948	0.97181144	0.242597964	4.122046130	1.029006206	4.241611050
0.2390	0.23673117	0.97157519	0.243657075	4.104128716	1.029256416	4.224200814
0.2400	0.23770263	0.97133797	0.244716703	4.086357772	1.029507778	4.206937109
0.2410	0.23867385	0.97109979	0.245776849	4.068731473	1.029760292	4.189818111
0.2420	0.23964483	0.97086063	0.246837516	4.051248027	1.030013961	4.172842026
0.2430	0.24061557	0.97062050	0.247898707	4.033905669	1.030268785	4.156007092
0.2440	0.24158607	0.97037940	0.248960424	4.016702664	1.030524766	4.139311572
0.2450	0.24255632	0.97013732	0.250022671	3.999637304	1.030781905	4.122753760
0.2460	0.24352634	0.96989428	0.251085448	3.982707911	1.031040204	4.106331977
0.2470	0.24449611	0.96965027	0.252148759	3.965912833	1.031299664	4.090044572
0.2480	0.24546564	0.96940529	0.253212607	3.949250445	1.031560286	4.073889919
0.2490	0.24643492	0.96915934	0.254276993	3.932719146	1.031822073	4.057866420

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.2500	0.24740396	0.96891242	0.255341921	3.916317365	1.032085024	4.041972501
0.2510	0.24837275	0.96866453	0.256407393	3.900043551	1.032349142	4.026206614
0.2520	0.24934129	0.96841568	0.257473412	3.883896181	1.032614428	4.010567235
0.2530	0.25030958	0.96816585	0.258539979	3.867873756	1.032880884	3.995052865
0.2540	0.25127762	0.96791506	0.259607098	3.851974798	1.033148511	3.979662027
0.2550	0.25224541	0.96766330	0.260674772	3.836197856	1.033417310	3.964393268
0.2560	0.25321295	0.96741057	0.261743002	3.820541497	1.033687283	3.949245160
0.2570	0.25418023	0.96715687	0.262811791	3.805004315	1.033958431	3.934216293
0.2580	0.25514726	0.96690221	0.263881143	3.789584923	1.034230756	3.919305281
0.2590	0.25611403	0.96664658	0.264951059	3.774281956	1.034504260	3.904510761
0.2600	0.25708055	0.96638998	0.266021542	3.759094070	1.034778943	3.889831388
0.2610	0.25804681	0.96613241	0.267092594	3.744019942	1.035054807	3.875265839
0.2620	0.25901282	0.96587388	0.268164220	3.729058268	1.035331854	3.860812812
0.2630	0.25997856	0.96561439	0.269236419	3.714207766	1.035610086	3.846471023
0.2640	0.26094404	0.96535393	0.270309197	3.699467172	1.035889503	3.832239209
0.2650	0.26190927	0.96509250	0.271382554	3.684835240	1.036170107	3.818116125
0.2660	0.26287423	0.96483011	0.272456495	3.670310744	1.036451900	3.804100546
0.2670	0.26383893	0.96456675	0.273531020	3.655892478	1.036734884	3.790191263
0.2680	0.26480336	0.96430243	0.274606134	3.641579251	1.037019059	3.776387089
0.2690	0.26576753	0.96403715	0.275681838	3.627369892	1.037304428	3.762686850
0.2700	0.26673144	0.96377090	0.276758136	3.613263245	1.037590992	3.749089393
0.2710	0.26769507	0.96350368	0.277835029	3.599258173	1.037878752	3.735593580
0.2720	0.26865844	0.96323551	0.278912521	3.585353555	1.038167710	3.722198291
0.2730	0.26962154	0.96296637	0.279990615	3.571548287	1.038457868	3.708902421
0.2740	0.27058438	0.96269626	0.281069312	3.557841280	1.038749228	3.695704882
0.2750	0.27154694	0.96242520	0.282148615	3.544231463	1.039041790	3.682604603
0.2760	0.27250923	0.96215317	0.283228528	3.530717777	1.039335557	3.669600526
0.2770	0.27347124	0.96188018	0.284309053	3.517299182	1.039630529	3.656691611
0.2780	0.27443299	0.96160623	0.285390192	3.503974651	1.039926710	3.643876830
0.2790	0.27539446	0.96133131	0.286471949	3.490743171	1.040224100	3.631155172
0.2800	0.27635565	0.96105544	0.287554326	3.477603745	1.040522700	3.618525640
0.2810	0.27731657	0.96077860	0.288637325	3.464555390	1.040822514	3.605987250
0.2820	0.27827721	0.96050081	0.289720950	3.451597136	1.041123542	3.593539034
0.2830	0.27923757	0.96022205	0.290805202	3.438728028	1.041425785	3.581180036
0.2840	0.28019765	0.95994233	0.291890086	3.425947123	1.041729246	3.568909314
0.2850	0.28115745	0.95966165	0.292975603	3.413253493	1.042033926	3.556725939
0.2860	0.28211697	0.95938002	0.294061756	3.400646221	1.042339828	3.544628996
0.2870	0.28307621	0.95909742	0.295148548	3.388124404	1.042646952	3.532617582
0.2880	0.28403517	0.95881386	0.296235982	3.375687152	1.042955300	3.520690806
0.2890	0.28499384	0.95852935	0.297324061	3.363333586	1.043264874	3.508847790
0.2900	0.28595223	0.95824388	0.298412787	3.351062840	1.043575676	3.497087668
0.2910	0.28691033	0.95795744	0.299502162	3.338874059	1.043887707	3.485409586
0.2920	0.28786814	0.95767005	0.300592191	3.326766401	1.044200970	3.473812702
0.2930	0.28882567	0.95738171	0.301682874	3.314739034	1.044515465	3.462296184
0.2940	0.28978290	0.95709240	0.302774217	3.302791140	1.044831195	3.450859214
0.2950	0.29073985	0.95680214	0.303866220	3.290921908	1.045148162	3.439500982
0.2960	0.29169651	0.95651092	0.304958887	3.279130542	1.045466366	3.428220691
0.2970	0.29265287	0.95621875	0.306052221	3.267416253	1.045785811	3.417017555
0.2980	0.29360894	0.95592562	0.307146224	3.255778267	1.046106497	3.405890797
0.2990	0.29456472	0.95563153	0.308240899	3.244215815	1.046428427	3.394839651

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.3000	0.29552021	0.95533649	0.309336250	3.232728144	1.046751602	3.383863362
0.3010	0.29647540	0.95504049	0.310432278	3.221314506	1.047076024	3.372961184
0.3020	0.29743029	0.95474354	0.311528987	3.209974166	1.047401695	3.362132381
0.3030	0.29838488	0.95444563	0.312626379	3.198706397	1.047728616	3.351376227
0.3040	0.29933918	0.95414677	0.313724458	3.187510483	1.048056790	3.340692006
0.3050	0.30029318	0.95384695	0.314823227	3.176385717	1.048386219	3.330079011
0.3060	0.30124687	0.95354618	0.315922687	3.165331400	1.048716904	3.319536544
0.3070	0.30220027	0.95324446	0.317022842	3.154346843	1.049048846	3.309063917
0.3080	0.30315336	0.95294178	0.318123695	3.143431366	1.049382049	3.298660449
0.3090	0.30410615	0.95263815	0.319225248	3.132584299	1.049716514	3.288325469
0.3100	0.30505864	0.95233357	0.320327505	3.121804978	1.050052242	3.278058316
0.3110	0.30601082	0.95202804	0.321430468	3.111092750	1.050389236	3.267858335
0.3120	0.30696269	0.95172155	0.322534141	3.100446968	1.050727497	3.257724881
0.3130	0.30791426	0.95141411	0.323638526	3.089866996	1.051067027	3.247657318
0.3140	0.30886552	0.95110572	0.324743626	3.079352204	1.051407829	3.237655015
0.3150	0.30981647	0.95079638	0.325849444	3.068901970	1.051749904	3.227717352
0.3160	0.31076711	0.95048609	0.326955983	3.058515682	1.052093254	3.217843715
0.3170	0.31171744	0.95017484	0.328063245	3.048192733	1.052437881	3.208033500
0.3180	0.31266746	0.94986265	0.329171235	3.037932526	1.052783787	3.198286108
0.3190	0.31361717	0.94954951	0.330279954	3.027734469	1.053130974	3.188600950
0.3200	0.31456656	0.94923542	0.331389405	3.017597981	1.053479444	3.178977441
0.3210	0.31551564	0.94892038	0.332499592	3.007522483	1.053829198	3.169415007
0.3220	0.31646440	0.94860439	0.333610518	2.997507409	1.054180240	3.159913079
0.3230	0.31741285	0.94828745	0.334722185	2.987552196	1.054532570	3.150471096
0.3240	0.31836098	0.94796956	0.335834597	2.977656289	1.054886191	3.141088502
0.3250	0.31930879	0.94765073	0.336947756	2.967819141	1.055241105	3.131764750
0.3260	0.32025628	0.94733094	0.338061666	2.958040209	1.055597314	3.122499300
0.3270	0.32120345	0.94701021	0.339176329	2.948318960	1.055954820	3.113291616
0.3280	0.32215030	0.94668854	0.340291748	2.938654865	1.056313625	3.104141172
0.3290	0.32309682	0.94636591	0.341407926	2.929047402	1.056673730	3.095047444
0.3300	0.32404303	0.94604234	0.342524868	2.919496056	1.057035139	3.086009920
0.3310	0.32498891	0.94571783	0.343642574	2.910000319	1.057397853	3.077028088
0.3320	0.32593446	0.94539237	0.344761049	2.900559686	1.057761873	3.068101448
0.3330	0.32687969	0.94506596	0.345880295	2.891173661	1.058127203	3.059229501
0.3340	0.32782460	0.94473861	0.347000316	2.881841753	1.058493845	3.050411757
0.3350	0.32876917	0.94441031	0.348121115	2.872563477	1.058861800	3.041647732
0.3360	0.32971342	0.94408107	0.349242694	2.863338352	1.059231070	3.032936946
0.3370	0.33065733	0.94375088	0.350365057	2.854165907	1.059601658	3.024278926
0.3380	0.33160092	0.94341975	0.351488206	2.845045671	1.059973565	3.015673204
0.3390	0.33254417	0.94308768	0.352612146	2.835977184	1.060346795	3.007119317
0.3400	0.33348709	0.94275467	0.353736878	2.826959987	1.060721348	2.998616809
0.3410	0.33442968	0.94242071	0.354862406	2.817993628	1.061097228	2.990165228
0.3420	0.33537193	0.94208581	0.355988734	2.809077662	1.061474436	2.981764128
0.3430	0.33631385	0.94174996	0.357115863	2.800211648	1.061852975	2.973413068
0.3440	0.33725543	0.94141318	0.358243798	2.791395147	1.062232846	2.965111612
0.3450	0.33819668	0.94107545	0.359372542	2.782627731	1.062614052	2.956859329
0.3460	0.33913758	0.94073679	0.360502097	2.773908972	1.062996595	2.948655793
0.3470	0.34007815	0.94039718	0.361632466	2.765238449	1.063380478	2.940500584
0.3480	0.34101838	0.94005663	0.362763654	2.756615747	1.063765702	2.932393284
0.3490	0.34195826	0.93971514	0.363895662	2.748040452	1.064152270	2.924333484

x	sin(x)	cos(x)	tan(x)	cot(x)	sec(x)	csc(x)
0.3500	0.34289781	0.93937271	0.365028495	2.739512159	1.064540183	2.916320776
0.3510	0.34383701	0.93902935	0.366162155	2.731030465	1.064929445	2.908354758
0.3520	0.34477587	0.93868504	0.367296645	2.722594972	1.065320058	2.900435034
0.3530	0.34571438	0.93833979	0.368431970	2.714205288	1.065712023	2.892561209
0.3540	0.34665255	0.93799361	0.369568131	2.705861023	1.066105343	2.884732895
0.3550	0.34759037	0.93764649	0.370705132	2.697561793	1.066500021	2.876949709
0.3560	0.34852784	0.93729843	0.371842976	2.689307218	1.066896058	2.869211270
0.3570	0.34946496	0.93694943	0.372981667	2.681096922	1.067293457	2.861517203
0.3580	0.35040174	0.93659950	0.374121208	2.672930533	1.067692221	2.853867137
0.3590	0.35133816	0.93624863	0.375261602	2.664807685	1.068092351	2.846260704
0.3600	0.35227423	0.93589682	0.376402852	2.656728013	1.068493850	2.838697542
0.3610	0.35320995	0.93554408	0.377544961	2.648691158	1.068896720	2.831177291
0.3620	0.35414532	0.93519040	0.378687933	2.640696765	1.069300964	2.823699595
0.3630	0.35508033	0.93483579	0.379831771	2.632744483	1.069706583	2.816264105
0.3640	0.35601499	0.93448024	0.380976479	2.624833963	1.070113581	2.808870473
0.3650	0.35694929	0.93412376	0.382122058	2.616964862	1.070521960	2.801518354
0.3660	0.35788324	0.93376634	0.383268514	2.609136840	1.070931722	2.794207410
0.3670	0.35881683	0.93340799	0.384415849	2.601349560	1.071342870	2.786937304
0.3680	0.35975006	0.93304871	0.385564066	2.593602691	1.071755406	2.779707703
0.3690	0.36068292	0.93268849	0.386713169	2.585895901	1.072169332	2.772518280
0.3700	0.36161543	0.93232735	0.387863162	2.578228867	1.072584650	2.765368708
0.3710	0.36254758	0.93196526	0.389014046	2.570601267	1.073001364	2.758258667
0.3720	0.36347936	0.93160225	0.390165827	2.563012780	1.073419476	2.751187836
0.3730	0.36441078	0.93123831	0.391318506	2.555463093	1.073838989	2.744155903
0.3740	0.36534184	0.93087343	0.392472088	2.547951893	1.074259903	2.737162555
0.3750	0.36627253	0.93050762	0.393626576	2.540478873	1.074682223	2.730207484
0.3760	0.36720285	0.93014088	0.394781973	2.533043726	1.075105951	2.723290385
0.3770	0.36813281	0.92977322	0.395938283	2.525646152	1.075531089	2.716410956
0.3780	0.36906240	0.92940462	0.397095508	2.518285850	1.075957640	2.709568900
0.3790	0.36999162	0.92903509	0.398253653	2.510962527	1.076385606	2.702763921
0.3800	0.37092047	0.92866464	0.399412721	2.503675888	1.076814990	2.695995725
0.3810	0.37184895	0.92829325	0.400572716	2.496425645	1.077245794	2.689264026
0.3820	0.37277706	0.92792094	0.401733640	2.489211511	1.077678021	2.682568535
0.3830	0.37370479	0.92754770	0.402895497	2.482033203	1.078111674	2.675908971
0.3840	0.37463215	0.92717353	0.404058290	2.474890440	1.078546755	2.669285052
0.3850	0.37555914	0.92679843	0.405222024	2.467782945	1.078983266	2.662696503
0.3860	0.37648575	0.92642241	0.406386701	2.460710444	1.079421211	2.656143047
0.3870	0.37741198	0.92604546	0.407552325	2.453672664	1.079860592	2.649624415
0.3880	0.37833784	0.92566759	0.408718900	2.446669336	1.080301411	2.643140336
0.3890	0.37926332	0.92528879	0.409886429	2.439700194	1.080743672	2.636690546
0.3900	0.38018842	0.92490906	0.411054915	2.432764974	1.081187377	2.630274780
0.3910	0.38111313	0.92452841	0.412224362	2.425863416	1.081632528	2.623892779
0.3920	0.38203747	0.92414683	0.413394774	2.418995262	1.082079128	2.617544284
0.3930	0.38296143	0.92376433	0.414566154	2.412160255	1.082527180	2.611229040
0.3940	0.38388500	0.92338091	0.415738506	2.405358144	1.082976687	2.604946794
0.3950	0.38480819	0.92299656	0.416911832	2.398588677	1.083427651	2.598697297
0.3960	0.38573099	0.92261129	0.418086138	2.391851606	1.083880076	2.592480300
0.3970	0.38665341	0.92222510	0.419261425	2.385146687	1.084333963	2.586295559
0.3980	0.38757544	0.92183799	0.420437699	2.378473676	1.084789315	2.580142831
0.3990	0.38849709	0.92144995	0.421614962	2.371832333	1.085246136	2.574021876

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.4000	0.38941834	0.92106099	0.422793219	2.365222420	1.085704428	2.567932456
0.4010	0.39033921	0.92067112	0.423972472	2.358643701	1.086164194	2.561874335
0.4020	0.39125968	0.92028032	0.425152725	2.352095942	1.086625437	2.555847281
0.4030	0.39217977	0.91988860	0.426333983	2.345578914	1.087088159	2.549851062
0.4040	0.39309946	0.91949596	0.427516248	2.339092386	1.087552363	2.543885451
0.4050	0.39401876	0.91910240	0.428699524	2.332636132	1.088018052	2.537950221
0.4060	0.39493767	0.91870792	0.429883816	2.326209929	1.088485230	2.532045148
0.4070	0.39585618	0.91831252	0.431069126	2.319813553	1.088953898	2.526170010
0.4080	0.39677429	0.91791621	0.432255458	2.313446786	1.089424059	2.520324588
0.4090	0.39769201	0.91751897	0.433442816	2.307109409	1.089895718	2.514508665
0.4100	0.39860933	0.91712082	0.434631205	2.300801207	1.090368875	2.508722024
0.4110	0.39952625	0.91672175	0.435820626	2.294521966	1.090843535	2.502964453
0.4120	0.40044277	0.91632177	0.437011085	2.288271474	1.091319700	2.497235740
0.4130	0.40135889	0.91592087	0.438202585	2.282049524	1.091797374	2.491535677
0.4140	0.40227461	0.91551905	0.439395129	2.275855906	1.092276558	2.485864056
0.4150	0.40318993	0.91511632	0.440588722	2.269690415	1.092757257	2.480220672
0.4160	0.40410484	0.91471267	0.441783367	2.263552849	1.093239472	2.474605322
0.4170	0.40501936	0.91430811	0.442979069	2.257443005	1.093723208	2.469017805
0.4180	0.40593346	0.91390263	0.444175830	2.251360685	1.094208466	2.463457922
0.4190	0.40684716	0.91349624	0.445373654	2.245305690	1.094695251	2.457925475
0.4200	0.40776045	0.91308894	0.446572546	2.239277825	1.095183564	2.452420269
0.4210	0.40867334	0.91268072	0.447772510	2.233276895	1.095673410	2.446942110
0.4220	0.40958581	0.91227159	0.448973548	2.227302710	1.096164790	2.441490807
0.4230	0.41049788	0.91186155	0.450175665	2.221355077	1.096657709	2.436066169
0.4240	0.41140954	0.91145060	0.451378866	2.215433810	1.097152168	2.430668009
0.4250	0.41232078	0.91103873	0.452583152	2.209538722	1.097648172	2.425296139
0.4260	0.41323161	0.91062596	0.453788530	2.203669626	1.098145723	2.419950376
0.4270	0.41414203	0.91021227	0.454995002	2.197826341	1.098644825	2.414630536
0.4280	0.41505204	0.90979767	0.456202572	2.192008685	1.099145480	2.409336439
0.4290	0.41596163	0.90938217	0.457411245	2.186216477	1.099647692	2.404067904
0.4300	0.41687080	0.90896575	0.458621023	2.180449541	1.100151464	2.398824754
0.4310	0.41777956	0.90854842	0.459831912	2.174707698	1.100656798	2.393606813
0.4320	0.41868790	0.90813019	0.461043916	2.168990776	1.101163699	2.388413906
0.4330	0.41959582	0.90771105	0.462257037	2.163298599	1.101672169	2.383245860
0.4340	0.42050332	0.90729100	0.463471280	2.157630997	1.102182212	2.378102504
0.4350	0.42141040	0.90687004	0.464686649	2.151987799	1.102693830	2.372983668
0.4360	0.42231706	0.90644818	0.465903149	2.146368838	1.103207027	2.367889184
0.4370	0.42322330	0.90602541	0.467120782	2.140773946	1.103721806	2.362818886
0.4380	0.42412911	0.90560173	0.468339554	2.135202957	1.104238171	2.357772607
0.4390	0.42503450	0.90517715	0.469559467	2.129655708	1.104756124	2.352750185
0.4400	0.42593947	0.90475166	0.470780527	2.124132036	1.105275669	2.347751458
0.4410	0.42684400	0.90432527	0.472002737	2.118631781	1.105796810	2.342776264
0.4420	0.42774812	0.90389798	0.473226102	2.113154782	1.106319549	2.337824444
0.4430	0.42865180	0.90346978	0.474450625	2.107700882	1.106843889	2.332895842
0.4440	0.42955505	0.90304067	0.475676310	2.102269924	1.107369835	2.327990299
0.4450	0.43045788	0.90261067	0.476903162	2.096861753	1.107897390	2.323107662
0.4460	0.43136028	0.90217976	0.478131185	2.091476215	1.108426556	2.318247777
0.4470	0.43226224	0.90174794	0.479360382	2.086113157	1.108957337	2.313410492
0.4480	0.43316377	0.90131523	0.480590759	2.080772428	1.109489737	2.308595655
0.4490	0.43406487	0.90088162	0.481822318	2.075453879	1.110023759	2.303803118

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.4500	0.43496553	0.90044710	0.483055066	2.070157361	1.110559407	2.299032732
0.4510	0.43586576	0.90001169	0.484289004	2.064882727	1.111096683	2.294284350
0.4520	0.43676556	0.89957537	0.485524139	2.059629832	1.111635592	2.289557827
0.4530	0.43766491	0.89913816	0.486760473	2.054398529	1.112176136	2.284853019
0.4540	0.43856383	0.89870004	0.487998012	2.049188677	1.112718320	2.280169782
0.4550	0.43946231	0.89826103	0.489236759	2.044000134	1.113262146	2.275507976
0.4560	0.44036035	0.89782112	0.490476718	2.038832758	1.113807619	2.270867458
0.4570	0.44125796	0.89738031	0.491717895	2.033686409	1.114354741	2.266248091
0.4580	0.44215512	0.89693860	0.492960293	2.028560951	1.114903516	2.261649737
0.4590	0.44305183	0.89649600	0.494203916	2.023456245	1.115453948	2.257072257
0.4600	0.44394811	0.89605250	0.495448769	2.018372155	1.116006041	2.252515518
0.4610	0.44484394	0.89560810	0.496694856	2.013308548	1.116559797	2.247979383
0.4620	0.44573932	0.89516281	0.497942182	2.008265288	1.117115221	2.243463721
0.4630	0.44663426	0.89471662	0.499190751	2.003242245	1.117672316	2.238968399
0.4640	0.44752876	0.89426954	0.500440566	1.998239286	1.118231085	2.234493286
0.4650	0.44842280	0.89382157	0.501691634	1.993256281	1.118791533	2.230038251
0.4660	0.44931640	0.89337270	0.502943957	1.988293102	1.119353663	2.225603167
0.4670	0.45020955	0.89292293	0.504197540	1.983349620	1.119917479	2.221187906
0.4680	0.45110224	0.89247228	0.505452389	1.978425708	1.120482984	2.216792341
0.4690	0.45199449	0.89202073	0.506708506	1.973521241	1.121050182	2.212416347
0.4700	0.45288629	0.89156829	0.507965897	1.968636095	1.121619076	2.208059798
0.4710	0.45377763	0.89111496	0.509224566	1.963770144	1.122189672	2.203722573
0.4720	0.45466851	0.89066073	0.510484518	1.958923268	1.122761971	2.199404549
0.4730	0.45555895	0.89020562	0.511745757	1.954095343	1.123335978	2.195105603
0.4740	0.45644893	0.88974962	0.513008287	1.949286250	1.123911697	2.190825617
0.4750	0.45733845	0.88929272	0.514272113	1.944495870	1.124489131	2.186564471
0.4760	0.45822751	0.88883494	0.515537240	1.939724083	1.125068285	2.182322047
0.4770	0.45911612	0.88837627	0.516803672	1.934970772	1.125649162	2.178098227
0.4780	0.46000426	0.88791671	0.518071414	1.930235820	1.126231765	2.173892896
0.4790	0.46089195	0.88745626	0.519340469	1.925519113	1.126816100	2.169705937
0.4800	0.46177918	0.88699492	0.520610844	1.920820534	1.127402169	2.165537237
0.4810	0.46266594	0.88653270	0.521882542	1.916139972	1.127989977	2.161386683
0.4820	0.46355224	0.88606959	0.523155569	1.911477312	1.128579527	2.157254161
0.4830	0.46443808	0.88560560	0.524429927	1.906832444	1.129170824	2.153139561
0.4840	0.46532345	0.88514072	0.525705624	1.902205256	1.129763870	2.149042772
0.4850	0.46620836	0.88467495	0.526982662	1.897595638	1.130358671	2.144963684
0.4860	0.46709280	0.88420830	0.528261047	1.893003481	1.130955230	2.140902188
0.4870	0.46797678	0.88374076	0.529540783	1.888428677	1.131553552	2.136858177
0.4880	0.46886028	0.88327235	0.530821875	1.883871120	1.132153639	2.132831544
0.4890	0.46974332	0.88280304	0.532104328	1.879330701	1.132755497	2.128822182
0.4900	0.47062589	0.88233286	0.533388147	1.874807317	1.133359129	2.124829987
0.4910	0.47150799	0.88186179	0.534673335	1.870300862	1.133964539	2.120854854
0.4920	0.47238961	0.88138984	0.535959899	1.865811232	1.134571731	2.116896680
0.4930	0.47327076	0.88091701	0.537247843	1.861338324	1.135180710	2.112955361
0.4940	0.47415145	0.88044330	0.538537171	1.856882037	1.135791480	2.109030796
0.4950	0.47503165	0.87996871	0.539827889	1.852442269	1.136404043	2.105122885
0.4960	0.47591138	0.87949324	0.541120001	1.848018919	1.137018406	2.101231526
0.4970	0.47679064	0.87901689	0.542413513	1.843611888	1.137634572	2.097356620
0.4980	0.47766942	0.87853966	0.543708428	1.839221077	1.138252544	2.093498070
0.4990	0.47854772	0.87806155	0.545004752	1.834846387	1.138872328	2.089655776

x	sin(x)	cos(x)	tan(x)	cot(x)	sec(x)	csc(x)
0.5000	0.47942554	0.87758256	0.546302490	1.830487722	1.139493927	2.085829643
0.5010	0.48030288	0.87710270	0.547601646	1.826144984	1.140117346	2.082019573
0.5020	0.48117974	0.87662196	0.548902227	1.821818079	1.140742589	2.078225472
0.5030	0.48205612	0.87614034	0.550204235	1.817506911	1.141369660	2.074447244
0.5040	0.48293202	0.87565784	0.551507678	1.813211385	1.141998563	2.070684796
0.5050	0.48380744	0.87517447	0.552812558	1.808931408	1.142629303	2.066938035
0.5060	0.48468237	0.87469023	0.554118883	1.804666888	1.143261884	2.063206867
0.5070	0.48555682	0.87420511	0.555426656	1.800417733	1.143896311	2.059491202
0.5080	0.48643078	0.87371912	0.556735882	1.796183850	1.144532587	2.055790948
0.5090	0.48730426	0.87323225	0.558046567	1.791965150	1.145170717	2.052106015
0.5100	0.48817725	0.87274451	0.559358716	1.787761542	1.145810705	2.048436314
0.5110	0.48904975	0.87225589	0.560672333	1.783572937	1.146452557	2.044781754
0.5120	0.48992176	0.87176641	0.561987424	1.779399248	1.147096275	2.041142250
0.5130	0.49079328	0.87127605	0.563303994	1.775240385	1.147741866	2.037517711
0.5140	0.49166431	0.87078482	0.564622049	1.771096262	1.148389332	2.033908053
0.5150	0.49253485	0.87029272	0.565941592	1.766966792	1.149038679	2.030313189
0.5160	0.49340490	0.86979975	0.567262630	1.762851890	1.149689911	2.026733033
0.5170	0.49427445	0.86930591	0.568585168	1.758751470	1.150343033	2.023167500
0.5180	0.49514351	0.86881120	0.569909210	1.754665449	1.150998049	2.019616507
0.5190	0.49601207	0.86831563	0.571234763	1.750593741	1.151654963	2.016079970
0.5200	0.49688014	0.86781918	0.572561830	1.746536264	1.152313781	2.012557806
0.5210	0.49774771	0.86732187	0.573890418	1.742492936	1.152974506	2.009049932
0.5220	0.49861478	0.86682368	0.575220532	1.738463674	1.153637144	2.005556268
0.5230	0.49948136	0.86632464	0.576552178	1.734448397	1.154301699	2.002076732
0.5240	0.50034743	0.86582472	0.577885359	1.730447024	1.154968176	1.998611244
0.5250	0.50121300	0.86532394	0.579220082	1.726459476	1.155636579	1.995159724
0.5260	0.50207808	0.86482230	0.580556353	1.722485673	1.156306914	1.991722093
0.5270	0.50294265	0.86431979	0.581894175	1.718525536	1.156979184	1.988298272
0.5280	0.50380672	0.86381641	0.583233556	1.714578987	1.157653394	1.984888184
0.5290	0.50467028	0.86331217	0.584574500	1.710645948	1.158329550	1.981491751
0.5300	0.50553334	0.86280707	0.585917013	1.706726343	1.159007656	1.978108897
0.5310	0.50639590	0.86230111	0.587261099	1.702820093	1.159687716	1.974739545
0.5320	0.50725794	0.86179428	0.588606766	1.698927125	1.160369736	1.971383620
0.5330	0.50811948	0.86128659	0.589954017	1.695047362	1.161053721	1.968041046
0.5340	0.50898052	0.86077804	0.591302859	1.691180729	1.161739674	1.964711749
0.5350	0.50984104	0.86026863	0.592653297	1.687327152	1.162427602	1.961395656
0.5360	0.51070105	0.85975836	0.594005337	1.683486559	1.163117509	1.958092693
0.5370	0.51156056	0.85924723	0.595358984	1.679658874	1.163809400	1.954802786
0.5380	0.51241955	0.85873524	0.596714243	1.675844027	1.164503280	1.951525865
0.5390	0.51327803	0.85822239	0.598071121	1.672041944	1.165199153	1.948261857
0.5400	0.51413599	0.85770868	0.599429623	1.668252554	1.165897025	1.945010690
0.5410	0.51499344	0.85719412	0.600789755	1.664475787	1.166596901	1.941772295
0.5420	0.51585038	0.85667869	0.602151522	1.660711572	1.167298786	1.938546601
0.5430	0.51670680	0.85616242	0.603514930	1.656959838	1.168002684	1.935333538
0.5440	0.51756270	0.85564528	0.604879984	1.653220517	1.168708602	1.932133038
0.5450	0.51841809	0.85512729	0.606246691	1.649493539	1.169416543	1.928945032
0.5460	0.51927296	0.85460845	0.607615056	1.645778836	1.170126513	1.925769451
0.5470	0.52012731	0.85408875	0.608985085	1.642076340	1.170838517	1.922606228
0.5480	0.52098114	0.85356819	0.610356784	1.638385984	1.171552561	1.919455296
0.5490	0.52183444	0.85304678	0.611730158	1.634707701	1.172268649	1.916316589

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.5500	0.52268723	0.85252452	0.613105213	1.631041424	1.172986787	1.913190039
0.5510	0.52353949	0.85200141	0.614481956	1.627387087	1.173706980	1.910075582
0.5520	0.52439123	0.85147744	0.615860391	1.623744625	1.174429232	1.906973153
0.5530	0.52524245	0.85095263	0.617240526	1.620113972	1.175153550	1.903882686
0.5540	0.52609314	0.85042696	0.618622365	1.616495065	1.175879939	1.900804118
0.5550	0.52694330	0.84990044	0.620005915	1.612887838	1.176608403	1.897737384
0.5560	0.52779294	0.84937307	0.621391182	1.609292229	1.177338949	1.894682422
0.5570	0.52864205	0.84884485	0.622778171	1.605708174	1.178071581	1.891639168
0.5580	0.52949063	0.84831579	0.624166889	1.602135611	1.178806305	1.888607560
0.5590	0.53033868	0.84778587	0.625557342	1.598574476	1.179543127	1.885587536
0.5600	0.53118620	0.84725511	0.626949535	1.595024709	1.180282051	1.882579035
0.5610	0.53203319	0.84672350	0.628343475	1.591486248	1.181023083	1.879581996
0.5620	0.53287964	0.84619104	0.629739168	1.587959032	1.181766229	1.876596357
0.5630	0.53372557	0.84565774	0.631136620	1.584443001	1.182511494	1.873622060
0.5640	0.53457096	0.84512359	0.632535837	1.580938093	1.183258883	1.870659043
0.5650	0.53541582	0.84458860	0.633936825	1.577444250	1.184008403	1.867707248
0.5660	0.53626014	0.84405276	0.635339591	1.573961413	1.184760058	1.864766615
0.5670	0.53710392	0.84351608	0.636744140	1.570489522	1.185513855	1.861837087
0.5680	0.53794717	0.84297855	0.638150479	1.567028519	1.186269798	1.858918604
0.5690	0.53878988	0.84244019	0.639558614	1.563578346	1.187027894	1.856011111
0.5700	0.53963205	0.84190098	0.640968552	1.560138945	1.187788148	1.853114548
0.5710	0.54047368	0.84136092	0.642380298	1.556710259	1.188550566	1.850228859
0.5720	0.54131477	0.84082003	0.643793859	1.553292232	1.189315153	1.847353989
0.5730	0.54215532	0.84027829	0.645209241	1.549884807	1.190081915	1.844489880
0.5740	0.54299533	0.83973572	0.646626451	1.546487928	1.190850858	1.841636476
0.5750	0.54383479	0.83919230	0.648045495	1.543101539	1.191621988	1.838793724
0.5760	0.54467371	0.83864805	0.649466379	1.539725585	1.192395311	1.835961567
0.5770	0.54551209	0.83810296	0.650889110	1.536360011	1.193170832	1.833139952
0.5780	0.54634992	0.83755702	0.652313694	1.533004763	1.193948557	1.830328824
0.5790	0.54718720	0.83701026	0.653740138	1.529659786	1.194728492	1.827528128
0.5800	0.54802394	0.83646265	0.655168449	1.526325027	1.195510642	1.824737813
0.5810	0.54886013	0.83591421	0.656598632	1.523000432	1.196295015	1.821957825
0.5820	0.54969576	0.83536493	0.658030694	1.519685948	1.197081616	1.819188111
0.5830	0.55053085	0.83481482	0.659464643	1.516381524	1.197870450	1.816428618
0.5840	0.55136539	0.83426387	0.660900484	1.513087105	1.198661524	1.813679296
0.5850	0.55219938	0.83371209	0.662338224	1.509802641	1.199454844	1.810940092
0.5860	0.55303282	0.83315947	0.663777870	1.506528080	1.200250416	1.808210954
0.5870	0.55386570	0.83260602	0.665219428	1.503263370	1.201048245	1.805491834
0.5880	0.55469803	0.83205174	0.666662906	1.500008462	1.201848339	1.802782678
0.5890	0.55552980	0.83149662	0.668108310	1.496763303	1.202650703	1.800083438
0.5900	0.55636102	0.83094068	0.669555646	1.493527844	1.203455343	1.797394064
0.5910	0.55719169	0.83038390	0.671004921	1.490302035	1.204262266	1.794714506
0.5920	0.55802179	0.82982630	0.672456143	1.487085827	1.205071477	1.792044714
0.5930	0.55885134	0.82926786	0.673909318	1.483879171	1.205882983	1.789384641
0.5940	0.55968033	0.82870859	0.675364453	1.480682016	1.206696791	1.786734237
0.5950	0.56050875	0.82814850	0.676821555	1.477494316	1.207512905	1.784093454
0.5960	0.56133662	0.82758758	0.678280630	1.474316021	1.208331334	1.781462245
0.5970	0.56216393	0.82702583	0.679741686	1.471147085	1.209152083	1.778840562
0.5980	0.56299067	0.82646325	0.681204730	1.467987458	1.209975158	1.776228357
0.5990	0.56381686	0.82589984	0.682669768	1.464837095	1.210800567	1.773625584

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.6000	0.56464247	0.82533561	0.684136808	1.461695947	1.211628315	1.771032197
0.6010	0.56546753	0.82477056	0.685605857	1.458563969	1.212458408	1.768448148
0.6020	0.56629201	0.82420468	0.687076921	1.455441114	1.213290854	1.765873392
0.6030	0.56711594	0.82363798	0.688550009	1.452327336	1.214125658	1.763307883
0.6040	0.56793929	0.82307045	0.690025126	1.449222589	1.214962829	1.760751576
0.6050	0.56876208	0.82250210	0.691502281	1.446126829	1.215802370	1.758204426
0.6060	0.56958429	0.82193292	0.692981479	1.443040009	1.216644291	1.755666388
0.6070	0.57040594	0.82136293	0.694462730	1.439962085	1.217488597	1.753137418
0.6080	0.57122702	0.82079211	0.695946039	1.436893012	1.218335294	1.750617471
0.6090	0.57204753	0.82022048	0.697431414	1.433832747	1.219184390	1.748106503
0.6100	0.57286746	0.81964802	0.698918862	1.430781245	1.220035891	1.745604472
0.6110	0.57368682	0.81907474	0.700408391	1.427738463	1.220889805	1.743111333
0.6120	0.57450561	0.81850064	0.701900009	1.424704356	1.221746136	1.740627043
0.6130	0.57532382	0.81792573	0.703393721	1.421678883	1.222604894	1.738151561
0.6140	0.57614146	0.81735000	0.704889536	1.418662001	1.223466084	1.735684842
0.6150	0.57695852	0.81677345	0.706387462	1.415653665	1.224329713	1.733226846
0.6160	0.57777501	0.81619608	0.707887505	1.412653836	1.225195789	1.730777530
0.6170	0.57859091	0.81561790	0.709389674	1.409662470	1.226064317	1.728336853
0.6180	0.57940624	0.81503890	0.710893975	1.406679525	1.226935306	1.725904774
0.6190	0.58022099	0.81445908	0.712400417	1.403704961	1.227808761	1.723481250
0.6200	0.58103516	0.81387846	0.713909007	1.400738737	1.228684691	1.721066242
0.6210	0.58184875	0.81329701	0.715419752	1.397780810	1.229563102	1.718659708
0.6220	0.58266175	0.81271476	0.716932660	1.394831141	1.230444001	1.716261609
0.6230	0.58347418	0.81213169	0.718447739	1.391889689	1.231327395	1.713871905
0.6240	0.58428602	0.81154781	0.719964997	1.388956414	1.232213292	1.711490555
0.6250	0.58509727	0.81096312	0.721484441	1.386031275	1.233101698	1.709117520
0.6260	0.58590794	0.81037762	0.723006079	1.383114235	1.233992622	1.706752761
0.6270	0.58671803	0.80979130	0.724529919	1.380205252	1.234886069	1.704396239
0.6280	0.58752753	0.80920418	0.726055969	1.377304289	1.235782048	1.702047915
0.6290	0.58833644	0.80861625	0.727584236	1.374411305	1.236680565	1.699707750
0.6300	0.58914476	0.80802751	0.729114729	1.371526263	1.237581629	1.697375707
0.6310	0.58995249	0.80743796	0.730647456	1.368649124	1.238485246	1.695051747
0.6320	0.59075963	0.80684760	0.732182423	1.365779850	1.239391424	1.692735832
0.6330	0.59156619	0.80625644	0.733719640	1.362918402	1.240300170	1.690427925
0.6340	0.59237215	0.80566447	0.735259115	1.360064744	1.241211491	1.688127989
0.6350	0.59317751	0.80507170	0.736800855	1.357218838	1.242125396	1.685835986
0.6360	0.59398229	0.80447812	0.738344869	1.354380646	1.243041892	1.683551880
0.6370	0.59478647	0.80388373	0.739891164	1.351550131	1.243960986	1.681275634
0.6380	0.59559006	0.80328854	0.741439749	1.348727258	1.244882686	1.679007211
0.6390	0.59639305	0.80269255	0.742990633	1.345911989	1.245807000	1.676746576
0.6400	0.59719544	0.80209576	0.744543822	1.343104288	1.246733934	1.674493693
0.6410	0.59799724	0.80149816	0.746099326	1.340304119	1.247663498	1.672248525
0.6420	0.59879844	0.80089976	0.747657153	1.337511446	1.248595699	1.670011038
0.6430	0.59959904	0.80030056	0.749217312	1.334726233	1.249530544	1.667781196
0.6440	0.60039904	0.79970057	0.750779809	1.331948446	1.250468041	1.665558964
0.6450	0.60119844	0.79909977	0.752344655	1.329178048	1.251408199	1.663344307
0.6460	0.60199724	0.79849817	0.753911857	1.326415005	1.252351024	1.661137191
0.6470	0.60279543	0.79789577	0.755481424	1.323659283	1.253296526	1.658937581
0.6480	0.60359303	0.79729258	0.757053364	1.320910846	1.254244712	1.656745443
0.6490	0.60439002	0.79668859	0.758627687	1.318169661	1.255195589	1.654560744

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.6500	0.60518641	0.79608380	0.760204399	1.315435692	1.256149166	1.652383448
0.6510	0.60598219	0.79547821	0.761783511	1.312708907	1.257105452	1.650213524
0.6520	0.60677736	0.79487183	0.763365030	1.309989272	1.258064454	1.648050937
0.6530	0.60757193	0.79426466	0.764948966	1.307276752	1.259026180	1.645895655
0.6540	0.60836589	0.79365669	0.766535327	1.304571316	1.259990638	1.643747644
0.6550	0.60915924	0.79304793	0.768124122	1.301872929	1.260957837	1.641606872
0.6560	0.60995199	0.79243837	0.769715359	1.299181558	1.261927785	1.639473306
0.6570	0.61074412	0.79182802	0.771309048	1.296497172	1.262900490	1.637346914
0.6580	0.61153564	0.79121688	0.772905198	1.293819738	1.263875961	1.635227664
0.6590	0.61232655	0.79060495	0.774503816	1.291149223	1.264854205	1.633115524
0.6600	0.61311685	0.78999223	0.776104913	1.288485594	1.265835232	1.631010462
0.6610	0.61390654	0.78937872	0.777708497	1.285828822	1.266819050	1.628912447
0.6620	0.61469561	0.78876442	0.779314577	1.283178872	1.267805667	1.626821446
0.6630	0.61548407	0.78814933	0.780923162	1.280535715	1.268795092	1.624737430
0.6640	0.61627191	0.78753345	0.782534262	1.277899319	1.269787333	1.622660368
0.6650	0.61705913	0.78691679	0.784147885	1.275269651	1.270782399	1.620590227
0.6660	0.61784574	0.78629933	0.785764041	1.272646683	1.271780299	1.618526978
0.6670	0.61863173	0.78568109	0.787382738	1.270030382	1.272781040	1.616470591
0.6680	0.61941710	0.78506207	0.789003987	1.267420718	1.273784633	1.614421035
0.6690	0.62020186	0.78444226	0.790627796	1.264817661	1.274791086	1.612378280
0.6700	0.62098599	0.78382167	0.792254175	1.262221181	1.275800407	1.610342296
0.6710	0.62176950	0.78320029	0.793883132	1.259631247	1.276812605	1.608313053
0.6720	0.62255239	0.78257813	0.795514679	1.257047829	1.277827690	1.606290523
0.6730	0.62333465	0.78195518	0.797148823	1.254470898	1.278845669	1.604274676
0.6740	0.62411630	0.78133146	0.798785574	1.251900425	1.279866553	1.602265482
0.6750	0.62489732	0.78070695	0.800424943	1.249336379	1.280890350	1.600262912
0.6760	0.62567771	0.78008166	0.802066938	1.246778732	1.281917069	1.598266939
0.6770	0.62645748	0.77945560	0.803711569	1.244227455	1.282946720	1.596277532
0.6780	0.62723662	0.77882875	0.805358846	1.241682519	1.283979311	1.594294665
0.6790	0.62801514	0.77820112	0.807008778	1.239143895	1.285014851	1.592318307
0.6800	0.62879302	0.77757272	0.808661375	1.236611554	1.286053350	1.590348432
0.6810	0.62957028	0.77694354	0.810316647	1.234085469	1.287094817	1.588385012
0.6820	0.63034691	0.77631358	0.811974605	1.231565611	1.288139262	1.586428017
0.6830	0.63112291	0.77568284	0.813635256	1.229051952	1.289186693	1.584477422
0.6840	0.63189828	0.77505133	0.815298613	1.226544464	1.290237121	1.582533198
0.6850	0.63267301	0.77441905	0.816964683	1.224043120	1.291290554	1.580595318
0.6860	0.63344711	0.77378599	0.818633478	1.221547892	1.292347001	1.578663755
0.6870	0.63422058	0.77315215	0.820305008	1.219058753	1.293406474	1.576738483
0.6880	0.63499342	0.77251755	0.821979282	1.216575675	1.294468980	1.574819473
0.6890	0.63576562	0.77188217	0.823656311	1.214098631	1.295534530	1.572906700
0.6900	0.63653718	0.77124601	0.825336105	1.211627595	1.296603134	1.571000136
0.6910	0.63730811	0.77060909	0.827018674	1.209162539	1.297674800	1.569099757
0.6920	0.63807840	0.76997140	0.828704028	1.206703438	1.298749540	1.567205534
0.6930	0.63884805	0.76933294	0.830392178	1.204250264	1.299827362	1.565317443
0.6940	0.63961707	0.76869370	0.832083134	1.201802992	1.300908276	1.563435458
0.6950	0.64038544	0.76805370	0.833776907	1.199361594	1.301992293	1.561559552
0.6960	0.64115317	0.76741293	0.835473506	1.196926046	1.303079421	1.559689700
0.6970	0.64192027	0.76677140	0.837172942	1.194496322	1.304169673	1.557825877
0.6980	0.64268672	0.76612909	0.838875226	1.192072395	1.305263056	1.555968057
0.6990	0.64345252	0.76548602	0.840580369	1.189654240	1.306359582	1.554116215

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.7000	0.64421769	0.76484219	0.842288380	1.187241832	1.307459260	1.552270327
0.7010	0.64498221	0.76419759	0.843999272	1.184835145	1.308562100	1.550430367
0.7020	0.64574608	0.76355222	0.845713054	1.182434155	1.309668114	1.548596310
0.7030	0.64650931	0.76290610	0.847429737	1.180038836	1.310777311	1.546768132
0.7040	0.64727189	0.76225920	0.849149332	1.177649164	1.311889701	1.544945809
0.7050	0.64803383	0.76161155	0.850871849	1.175265113	1.313005295	1.543129316
0.7060	0.64879512	0.76096314	0.852597301	1.172886659	1.314124103	1.541318629
0.7070	0.64955576	0.76031396	0.854325697	1.170513778	1.315246136	1.539513724
0.7080	0.65031574	0.75966403	0.856057049	1.168146446	1.316371403	1.537714577
0.7090	0.65107508	0.75901333	0.857791368	1.165784638	1.317499917	1.535921164
0.7100	0.65183377	0.75836188	0.859528665	1.163428331	1.318631687	1.534133462
0.7110	0.65259181	0.75770966	0.861268951	1.161077499	1.319766724	1.532351448
0.7120	0.65334919	0.75705669	0.863012237	1.158732121	1.320905039	1.530575097
0.7130	0.65410592	0.75640296	0.864758535	1.156392171	1.322046642	1.528804387
0.7140	0.65486200	0.75574848	0.866507856	1.154057627	1.323191545	1.527039294
0.7150	0.65561742	0.75509324	0.868260211	1.151728465	1.324339758	1.525279797
0.7160	0.65637218	0.75443725	0.870015611	1.149404663	1.325491291	1.523525871
0.7170	0.65712629	0.75378050	0.871774069	1.147086196	1.326646157	1.521777494
0.7180	0.65787974	0.75312299	0.873535595	1.144773041	1.327804367	1.520034643
0.7190	0.65863254	0.75246474	0.875300202	1.142465177	1.328965930	1.518297297
0.7200	0.65938467	0.75180573	0.877067900	1.140162581	1.330130859	1.516565432
0.7210	0.66013615	0.75114597	0.878838702	1.137865228	1.331299164	1.514839027
0.7220	0.66088696	0.75048546	0.880612619	1.135573098	1.332470857	1.513118060
0.7230	0.66163712	0.74982419	0.882389663	1.133286168	1.333645949	1.511402507
0.7240	0.66238661	0.74916218	0.884169846	1.131004416	1.334824451	1.509692349
0.7250	0.66313544	0.74849942	0.885953179	1.128727819	1.336006376	1.507987563
0.7260	0.66388361	0.74783591	0.887739676	1.126456356	1.337191733	1.506288127
0.7270	0.66463111	0.74717165	0.889529347	1.124190004	1.338380536	1.504594020
0.7280	0.66537795	0.74650665	0.891322205	1.121928742	1.339572795	1.502905221
0.7290	0.66612413	0.74584090	0.893118261	1.119672549	1.340768522	1.501221708
0.7300	0.66686964	0.74517440	0.894917529	1.117421402	1.341967728	1.499543460
0.7310	0.66761448	0.74450716	0.896720020	1.115175280	1.343170427	1.497870457
0.7320	0.66835865	0.74383917	0.898525747	1.112934163	1.344376628	1.496202677
0.7330	0.66910215	0.74317044	0.900334721	1.110698028	1.345586345	1.494540100
0.7340	0.66984499	0.74250097	0.902146956	1.108466856	1.346799588	1.492882705
0.7350	0.67058716	0.74183075	0.903962464	1.106240624	1.348016371	1.491230471
0.7360	0.67132865	0.74115980	0.905781257	1.104019312	1.349236705	1.489583378
0.7370	0.67206947	0.74048810	0.907603347	1.101802900	1.350460602	1.487941407
0.7380	0.67280963	0.73981566	0.909428749	1.099591366	1.351688074	1.486304535
0.7390	0.67354911	0.73914248	0.911257473	1.097384691	1.352919134	1.484672745
0.7400	0.67428791	0.73846856	0.913089533	1.095182853	1.354153793	1.483046015
0.7410	0.67502604	0.73779390	0.914924942	1.092985833	1.355392065	1.481424325
0.7420	0.67576350	0.73711851	0.916763713	1.090793610	1.356633961	1.479807656
0.7430	0.67650028	0.73644237	0.918605858	1.088606165	1.357879495	1.478195989
0.7440	0.67723638	0.73576551	0.920451391	1.086423477	1.359128678	1.476589303
0.7450	0.67797181	0.73508790	0.922300324	1.084245526	1.360381523	1.474987580
0.7460	0.67870656	0.73440956	0.924152671	1.082072293	1.361638043	1.473390800
0.7470	0.67944063	0.73373049	0.926008445	1.079903759	1.362898250	1.471798943
0.7480	0.68017402	0.73305068	0.927867659	1.077739903	1.364162157	1.470211991
0.7490	0.68090673	0.73237014	0.929730326	1.075580706	1.365429778	1.468629924

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.7500	0.68163876	0.73168887	0.931596460	1.073426149	1.366701125	1.467052724
0.7510	0.68237011	0.73100686	0.933466074	1.071276212	1.367976210	1.465480373
0.7520	0.68310077	0.73032413	0.935339182	1.069130877	1.369255048	1.463912850
0.7530	0.68383076	0.72964066	0.937215798	1.066990124	1.370537650	1.462350137
0.7540	0.68456005	0.72895647	0.939095934	1.064853935	1.371824031	1.460792217
0.7550	0.68528867	0.72827154	0.940979604	1.062722290	1.373114204	1.459239071
0.7560	0.68601660	0.72758589	0.942866824	1.060595171	1.374408181	1.457690679
0.7570	0.68674384	0.72689951	0.944757605	1.058472559	1.375705976	1.456147025
0.7580	0.68747040	0.72621240	0.946651962	1.056354437	1.377007602	1.454608090
0.7590	0.68819626	0.72552457	0.948549909	1.054240784	1.378313074	1.453073856
0.7600	0.68892145	0.72483601	0.950451461	1.052131583	1.379622404	1.451544305
0.7610	0.68964594	0.72414673	0.952356630	1.050026816	1.380935607	1.450019419
0.7620	0.69036974	0.72345672	0.954265432	1.047926465	1.382252695	1.448499180
0.7630	0.69109285	0.72276599	0.956177880	1.045830510	1.383573684	1.446983572
0.7640	0.69181527	0.72207453	0.958093989	1.043738936	1.384898585	1.445472575
0.7650	0.69253700	0.72138236	0.960013773	1.041651722	1.386227414	1.443966174
0.7660	0.69325803	0.72068946	0.961937246	1.039568853	1.387560185	1.442464350
0.7670	0.69397838	0.71999584	0.963864424	1.037490310	1.388896911	1.440967086
0.7680	0.69469803	0.71930150	0.965795321	1.035416075	1.390237606	1.439474365
0.7690	0.69541698	0.71860645	0.967729950	1.033346131	1.391582285	1.437986171
0.7700	0.69613524	0.71791067	0.969668328	1.031280461	1.392930962	1.436502485
0.7710	0.69685280	0.71721418	0.971610469	1.029219047	1.394283652	1.435023291
0.7720	0.69756967	0.71651696	0.973556387	1.027161871	1.395640368	1.433548573
0.7730	0.69828583	0.71581904	0.975506098	1.025108918	1.397001126	1.432078313
0.7740	0.69900130	0.71512039	0.977459616	1.023060169	1.398365940	1.430612495
0.7750	0.69971608	0.71442103	0.979416957	1.021015608	1.399734823	1.429151102
0.7760	0.70043015	0.71372096	0.981378136	1.018975218	1.401107793	1.427694118
0.7770	0.70114352	0.71302017	0.983343168	1.016938981	1.402484862	1.426241526
0.7780	0.70185619	0.71231867	0.985312069	1.014906882	1.403866045	1.424793311
0.7790	0.70256815	0.71161646	0.987284853	1.012878904	1.405251359	1.423349456
0.7800	0.70327942	0.71091354	0.989261537	1.010855029	1.406640817	1.421909945
0.7810	0.70398998	0.71020990	0.991242135	1.008835243	1.408034435	1.420474761
0.7820	0.70469984	0.70950556	0.993226664	1.006819527	1.409432228	1.419043889
0.7830	0.70540899	0.70880050	0.995215139	1.004807866	1.410834212	1.417617314
0.7840	0.70611744	0.70809474	0.997207576	1.002800244	1.412240401	1.416195018
0.7850	0.70682518	0.70738827	0.999203990	1.000796644	1.413650810	1.414776987
0.7860	0.70753222	0.70668109	1.001204398	0.998797051	1.415065457	1.413363205
0.7870	0.70823854	0.70597320	1.003208816	0.996801448	1.416484355	1.411953656
0.7880	0.70894416	0.70526461	1.005217259	0.994809819	1.417907521	1.410548325
0.7890	0.70964907	0.70455532	1.007229745	0.992822149	1.419334971	1.409147196
0.7900	0.71035327	0.70384532	1.009246288	0.990838422	1.420766719	1.407750254
0.7910	0.71105676	0.70313461	1.011266906	0.988858622	1.422202783	1.406357485
0.7920	0.71175954	0.70242320	1.013291615	0.986882734	1.423643178	1.404968872
0.7930	0.71246161	0.70171109	1.015320432	0.984910742	1.425087920	1.403584401
0.7940	0.71316296	0.70099828	1.017353372	0.982942631	1.426537025	1.402204056
0.7950	0.71386360	0.70028477	1.019390453	0.980978385	1.427990510	1.400827824
0.7960	0.71456353	0.69957055	1.021431691	0.979017989	1.429448390	1.399455688
0.7970	0.71526275	0.69885564	1.023477104	0.977061427	1.430910683	1.398087634
0.7980	0.71596124	0.69814003	1.025526708	0.975108685	1.432377404	1.396723648
0.7990	0.71665903	0.69742372	1.027580520	0.973159748	1.433848571	1.395363714

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.8000	0.71735609	0.69670671	1.029638557	0.971214601	1.435324200	1.394007819
0.8010	0.71805244	0.69598901	1.031700837	0.969273228	1.436804307	1.392655948
0.8020	0.71874807	0.69527060	1.033767376	0.967335615	1.438288910	1.391308086
0.8030	0.71944298	0.69455151	1.035838192	0.965401746	1.439778025	1.389964220
0.8040	0.72013717	0.69383172	1.037913303	0.963471609	1.441271670	1.388624334
0.8050	0.72083064	0.69311124	1.039992726	0.961545186	1.442769861	1.387288415
0.8060	0.72152339	0.69239006	1.042076479	0.959622465	1.444272616	1.385956448
0.8070	0.72221542	0.69166819	1.044164579	0.957703431	1.445779952	1.384628420
0.8080	0.72290673	0.69094563	1.046257044	0.955788069	1.447291886	1.383304317
0.8090	0.72359731	0.69022238	1.048353893	0.953876365	1.448808436	1.381984124
0.8100	0.72428717	0.68949843	1.050455142	0.951968304	1.450329620	1.380667828
0.8110	0.72497631	0.68877380	1.052560811	0.950063873	1.451855454	1.379355415
0.8120	0.72566472	0.68804848	1.054670917	0.948163057	1.453385958	1.378046872
0.8130	0.72635241	0.68732247	1.056785478	0.946265842	1.454921148	1.376742185
0.8140	0.72703937	0.68659578	1.058904514	0.944372214	1.456461043	1.375441339
0.8150	0.72772560	0.68586839	1.061028042	0.942482159	1.458005660	1.374144323
0.8160	0.72841110	0.68514033	1.063156081	0.940595664	1.459555019	1.372851122
0.8170	0.72909588	0.68441157	1.065288650	0.938712714	1.461109136	1.371561723
0.8180	0.72977993	0.68368213	1.067425767	0.936833296	1.462668031	1.370276113
0.8190	0.73046324	0.68295201	1.069567452	0.934957396	1.464231721	1.368994278
0.8200	0.73114583	0.68222121	1.071713723	0.933085001	1.465800226	1.367716206
0.8210	0.73182769	0.68148972	1.073864599	0.931216097	1.467373564	1.366441883
0.8220	0.73250881	0.68075755	1.076020099	0.929350670	1.468951754	1.365171296
0.8230	0.73318920	0.68002470	1.078180244	0.927488707	1.470534814	1.363904433
0.8240	0.73386886	0.67929117	1.080345051	0.925630195	1.472122763	1.362641280
0.8250	0.73454778	0.67855697	1.082514541	0.923775120	1.473715621	1.361381825
0.8260	0.73522597	0.67782208	1.084688733	0.921923469	1.475313407	1.360126054
0.8270	0.73590343	0.67708651	1.086867647	0.920075230	1.476916139	1.358873956
0.8280	0.73658014	0.67635027	1.089051302	0.918230388	1.478523838	1.357625517
0.8290	0.73725613	0.67561335	1.091239719	0.916388931	1.480136522	1.356380726
0.8300	0.73793137	0.67487576	1.093432917	0.914550846	1.481754212	1.355139569
0.8310	0.73860588	0.67413749	1.095630917	0.912716121	1.483376926	1.353902034
0.8320	0.73927965	0.67339855	1.097833738	0.910884741	1.485004686	1.352668108
0.8330	0.73995267	0.67265893	1.100041402	0.909056694	1.486637510	1.351437780
0.8340	0.74062496	0.67191864	1.102253927	0.907231968	1.488275418	1.350211037
0.8350	0.74129651	0.67117768	1.104471336	0.905410550	1.489918431	1.348987867
0.8360	0.74196732	0.67043605	1.106693648	0.903592428	1.491566569	1.347768257
0.8370	0.74263738	0.66969375	1.108920884	0.901777588	1.493219852	1.346552196
0.8380	0.74330671	0.66895078	1.111153066	0.899966018	1.494878301	1.345339672
0.8390	0.74397528	0.66820714	1.113390214	0.898157706	1.496541937	1.344130672
0.8400	0.74464312	0.66746283	1.115632349	0.896352639	1.498210779	1.342925185
0.8410	0.74531021	0.66671785	1.117879492	0.894550806	1.499884848	1.341723199
0.8420	0.74597656	0.66597221	1.120131665	0.892752193	1.501564167	1.340524702
0.8430	0.74664215	0.66522590	1.122388889	0.890956789	1.503248754	1.339329683
0.8440	0.74730701	0.66447892	1.124651186	0.889164581	1.504938633	1.338138129
0.8450	0.74797111	0.66373128	1.126918577	0.887375557	1.506633824	1.336950029
0.8460	0.74863447	0.66298298	1.129191084	0.885589706	1.508334348	1.335765371
0.8470	0.74929708	0.66223401	1.131468729	0.883807015	1.510040226	1.334584145
0.8480	0.74995894	0.66148439	1.133751534	0.882027472	1.511751481	1.333406338
0.8490	0.75062005	0.66073410	1.136039522	0.880251066	1.513468135	1.332231939

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.8500	0.75128041	0.65998315	1.138332713	0.878477785	1.515190208	1.331060937
0.8510	0.75194001	0.65923154	1.140631132	0.876707616	1.516917723	1.329893320
0.8520	0.75259887	0.65847927	1.142934800	0.874940548	1.518650702	1.328729078
0.8530	0.75325697	0.65772634	1.145243739	0.873176570	1.520389168	1.327568199
0.8540	0.75391432	0.65697275	1.147557974	0.871415670	1.522133142	1.326410671
0.8550	0.75457092	0.65621851	1.149877525	0.869657836	1.523882648	1.325256485
0.8560	0.75522676	0.65546361	1.152202418	0.867903056	1.525637707	1.324105628
0.8570	0.75588184	0.65470806	1.154532674	0.866151320	1.527398342	1.322958091
0.8580	0.75653617	0.65395185	1.156868317	0.864402616	1.529164577	1.321813861
0.8590	0.75718975	0.65319498	1.159209370	0.862656933	1.530936434	1.320672928
0.8600	0.75784256	0.65243747	1.161555858	0.860914259	1.532713936	1.319535282
0.8610	0.75849462	0.65167930	1.163907802	0.859174582	1.534497107	1.318400911
0.8620	0.75914592	0.65092048	1.166265228	0.857437893	1.536285970	1.317269805
0.8630	0.75979646	0.65016101	1.168628160	0.855704179	1.538080549	1.316141954
0.8640	0.76044624	0.64940089	1.170996620	0.853973430	1.539880867	1.315017346
0.8650	0.76109526	0.64864012	1.173370634	0.852245634	1.541686948	1.313895970
0.8660	0.76174352	0.64787870	1.175750225	0.850520781	1.543498815	1.312777818
0.8670	0.76239102	0.64711663	1.178135419	0.848798859	1.545316494	1.311662877
0.8680	0.76303776	0.64635391	1.180526240	0.847079858	1.547140007	1.310551138
0.8690	0.76368373	0.64559055	1.182922712	0.845363767	1.548969381	1.309442591
0.8700	0.76432894	0.64482655	1.185324860	0.843650575	1.550804638	1.308337224
0.8710	0.76497338	0.64406190	1.187732710	0.841940271	1.552645803	1.307235029
0.8720	0.76561706	0.64329660	1.190146287	0.840232845	1.554492902	1.306135993
0.8730	0.76625997	0.64253066	1.192565615	0.838528285	1.556345960	1.305040109
0.8740	0.76690212	0.64176408	1.194990721	0.836826582	1.558205000	1.303947364
0.8750	0.76754350	0.64099686	1.197421629	0.835127724	1.560070049	1.302857750
0.8760	0.76818412	0.64022899	1.199858366	0.833431702	1.561941132	1.301771255
0.8770	0.76882396	0.63946049	1.202300958	0.831738504	1.563818274	1.300687871
0.8780	0.76946304	0.63869135	1.204749430	0.830048120	1.565701501	1.299607588
0.8790	0.77010134	0.63792156	1.207203809	0.828360541	1.567590839	1.298530394
0.8800	0.77073888	0.63715114	1.209664121	0.826675754	1.569486313	1.297456282
0.8810	0.77137564	0.63638009	1.212130393	0.824993752	1.571387950	1.296385240
0.8820	0.77201164	0.63560839	1.214602650	0.823314522	1.573295776	1.295317259
0.8830	0.77264686	0.63483606	1.217080921	0.821638055	1.575209817	1.294252330
0.8840	0.77328131	0.63406310	1.219565231	0.819964340	1.577130100	1.293190442
0.8850	0.77391499	0.63328950	1.222055609	0.818293368	1.579056652	1.292131586
0.8860	0.77454789	0.63251527	1.224552080	0.816625129	1.580989499	1.291075753
0.8870	0.77518002	0.63174041	1.227054673	0.814959612	1.582928669	1.290022933
0.8880	0.77581137	0.63096491	1.229563416	0.813296807	1.584874188	1.288973117
0.8890	0.77644195	0.63018878	1.232078335	0.811636705	1.586826085	1.287926295
0.8900	0.77707175	0.62941203	1.234599459	0.809979295	1.588784386	1.286882457
0.8910	0.77770077	0.62863464	1.237126816	0.808324569	1.590749119	1.285841595
0.8920	0.77832902	0.62785663	1.239660434	0.806672515	1.592720312	1.284803700
0.8930	0.77895648	0.62707798	1.242200341	0.805023124	1.594697993	1.283768761
0.8940	0.77958317	0.62629871	1.244746567	0.803376387	1.596682190	1.282736769
0.8950	0.78020908	0.62551882	1.247299139	0.801732294	1.598672932	1.281707717
0.8960	0.78083421	0.62473829	1.249858087	0.800090835	1.600670246	1.280681593
0.8970	0.78145856	0.62395715	1.252423439	0.798452000	1.602674163	1.279658391
0.8980	0.78208212	0.62317538	1.254995226	0.796815780	1.604684709	1.278638099
0.8990	0.78270491	0.62239298	1.257573475	0.795182166	1.606701916	1.277620709

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.9000	0.78332691	0.62160997	1.260158218	0.793551148	1.608725810	1.276606213
0.9010	0.78394813	0.62082633	1.262749483	0.791922716	1.610756423	1.275594602
0.9020	0.78456856	0.62004207	1.265347300	0.790296862	1.612793784	1.274585866
0.9030	0.78518821	0.61925719	1.267951700	0.788673575	1.614837922	1.273579997
0.9040	0.78580708	0.61847170	1.270562713	0.787052846	1.616888867	1.272576985
0.9050	0.78642515	0.61768558	1.273180370	0.785434667	1.618946649	1.271576823
0.9060	0.78704245	0.61689885	1.275804700	0.783819028	1.621011299	1.270579501
0.9070	0.78765895	0.61611150	1.278435735	0.782205920	1.623082847	1.269585011
0.9080	0.78827467	0.61532353	1.281073506	0.780595333	1.625161324	1.268593344
0.9090	0.78888960	0.61453495	1.283718044	0.778987259	1.627246760	1.267604492
0.9100	0.78950374	0.61374575	1.286369381	0.777381688	1.629339186	1.266618446
0.9110	0.79011709	0.61295594	1.289027547	0.775778611	1.631438634	1.265635198
0.9120	0.79072965	0.61216552	1.291692575	0.774178020	1.633545135	1.264654738
0.9130	0.79134142	0.61137448	1.294364497	0.772579905	1.635658721	1.263677059
0.9140	0.79195240	0.61058283	1.297043345	0.770984257	1.637779423	1.262702152
0.9150	0.79256259	0.60979058	1.299729151	0.769391068	1.639907274	1.261730009
0.9160	0.79317198	0.60899771	1.302421948	0.767800329	1.642042304	1.260760622
0.9170	0.79378058	0.60820423	1.305121768	0.766212031	1.644184548	1.259793982
0.9180	0.79438839	0.60741015	1.307828644	0.764626164	1.646334037	1.258830080
0.9190	0.79499540	0.60661546	1.310542610	0.763042721	1.648490805	1.257868910
0.9200	0.79560162	0.60582016	1.313263699	0.761461693	1.650654883	1.256910462
0.9210	0.79620704	0.60502425	1.315991945	0.759883071	1.652826306	1.255954729
0.9220	0.79681167	0.60422774	1.318727380	0.758306846	1.655005107	1.255001702
0.9230	0.79741550	0.60343063	1.321470040	0.756733009	1.657191319	1.254051374
0.9240	0.79801853	0.60263291	1.324219958	0.755161553	1.659384975	1.253103735
0.9250	0.79862076	0.60183459	1.326977168	0.753592469	1.661586111	1.252158779
0.9260	0.79922220	0.60103567	1.329741706	0.752025747	1.663794760	1.251216498
0.9270	0.79982283	0.60023615	1.332513606	0.750461380	1.666010957	1.250276883
0.9280	0.80042267	0.59943603	1.335292903	0.748899360	1.668234737	1.249339926
0.9290	0.80102171	0.59863530	1.338079632	0.747339677	1.670466133	1.248405620
0.9300	0.80161994	0.59783398	1.340873829	0.745782324	1.672705182	1.247473957
0.9310	0.80221737	0.59703206	1.343675529	0.744227292	1.674951918	1.246544930
0.9320	0.80281400	0.59622955	1.346484769	0.742674572	1.677206377	1.245618529
0.9330	0.80340983	0.59542644	1.349301584	0.741124158	1.679468596	1.244694749
0.9340	0.80400486	0.59462273	1.352126010	0.739576040	1.681738609	1.243773580
0.9350	0.80459908	0.59381843	1.354958085	0.738030210	1.684016453	1.242855016
0.9360	0.80519249	0.59301353	1.357797846	0.736486660	1.686302164	1.241939048
0.9370	0.80578510	0.59220804	1.360645328	0.734945382	1.688595780	1.241025670
0.9380	0.80637691	0.59140196	1.363500569	0.733406368	1.690897337	1.240114874
0.9390	0.80696791	0.59059529	1.366363608	0.731869609	1.693206871	1.239206651
0.9400	0.80755810	0.58978803	1.369234481	0.730335099	1.695524422	1.238300996
0.9410	0.80814748	0.58898017	1.372113227	0.728802828	1.697850025	1.237397900
0.9420	0.80873606	0.58817173	1.374999883	0.727272789	1.700183719	1.236497355
0.9430	0.80932383	0.58736270	1.377894489	0.725744974	1.702525542	1.235599355
0.9440	0.80991079	0.58655308	1.380797083	0.724219375	1.704875533	1.234703893
0.9450	0.81049693	0.58574288	1.383707703	0.722695984	1.707233730	1.233810960
0.9460	0.81108227	0.58493209	1.386626390	0.721174793	1.709600171	1.232920550
0.9470	0.81166680	0.58412071	1.389553182	0.719655795	1.711974896	1.232032655
0.9480	0.81225051	0.58330876	1.392488119	0.718138982	1.714357945	1.231147269
0.9490	0.81283342	0.58249621	1.395431242	0.716624345	1.716749356	1.230264383

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
0.9500	0.81341550	0.58168309	1.398382589	0.715111878	1.719149169	1.229383991
0.9510	0.81399678	0.58086938	1.401342203	0.713601573	1.721557426	1.228506087
0.9520	0.81457724	0.58005510	1.404310123	0.712093421	1.723974165	1.227630661
0.9530	0.81515689	0.57924023	1.407286390	0.710587416	1.726399428	1.226757709
0.9540	0.81573572	0.57842478	1.410271047	0.709083550	1.728833255	1.225887222
0.9550	0.81631374	0.57760876	1.413264133	0.707581815	1.731275689	1.225019194
0.9560	0.81689094	0.57679216	1.416265692	0.706082203	1.733726769	1.224153617
0.9570	0.81746732	0.57597498	1.419275764	0.704584708	1.736186538	1.223290485
0.9580	0.81804289	0.57515722	1.422294393	0.703089322	1.738655038	1.222429791
0.9590	0.81861764	0.57433889	1.425321621	0.701596036	1.741132311	1.221571528
0.9600	0.81919157	0.57351999	1.428357491	0.700104845	1.743618399	1.220715689
0.9610	0.81976468	0.57270051	1.431402046	0.698615740	1.746113346	1.219862268
0.9620	0.82033697	0.57188046	1.434455329	0.697128715	1.748617194	1.219011257
0.9630	0.82090844	0.57105983	1.437517385	0.695643761	1.751129987	1.218162650
0.9640	0.82147909	0.57023864	1.440588256	0.694160872	1.753651768	1.217316440
0.9650	0.82204892	0.56941688	1.443667988	0.692680040	1.756182582	1.216472621
0.9660	0.82261792	0.56859454	1.446756626	0.691201258	1.758722472	1.215631186
0.9670	0.82318611	0.56777164	1.449854213	0.689724519	1.761271484	1.214792127
0.9680	0.82375347	0.56694817	1.452960795	0.688249816	1.763829661	1.213955440
0.9690	0.82432000	0.56612413	1.456076418	0.686777141	1.766397049	1.213121116
0.9700	0.82488571	0.56529953	1.459201128	0.685306488	1.768973694	1.212289150
0.9710	0.82545060	0.56447436	1.462334970	0.683837849	1.771559641	1.211459534
0.9720	0.82601466	0.56364863	1.465477990	0.682371217	1.774154937	1.210632264
0.9730	0.82657790	0.56282233	1.468630237	0.680906586	1.776759627	1.209807331
0.9740	0.82714031	0.56199547	1.471791756	0.679443947	1.779373758	1.208984730
0.9750	0.82770189	0.56116805	1.474962594	0.677983295	1.781997378	1.208164454
0.9760	0.82826264	0.56034007	1.478142801	0.676524622	1.784630533	1.207346497
0.9770	0.82882257	0.55951153	1.481332423	0.675067922	1.787273271	1.206530853
0.9780	0.82938167	0.55868243	1.484531508	0.673613187	1.789925641	1.205717515
0.9790	0.82993993	0.55785277	1.487740107	0.672160410	1.792587690	1.204906476
0.9800	0.83049737	0.55702255	1.490958266	0.670709585	1.795259466	1.204097732
0.9810	0.83105398	0.55619177	1.494186036	0.669260705	1.797941020	1.203291274
0.9820	0.83160975	0.55536044	1.497423466	0.667813763	1.800632399	1.202487099
0.9830	0.83216470	0.55452855	1.500670607	0.666368752	1.803333655	1.201685198
0.9840	0.83271881	0.55369611	1.503927508	0.664925666	1.806044836	1.200885566
0.9850	0.83327209	0.55286311	1.507194220	0.663484498	1.808765993	1.200088196
0.9860	0.83382454	0.55202957	1.510470794	0.662045241	1.811497176	1.199293084
0.9870	0.83437615	0.55119547	1.513757281	0.660607888	1.814238437	1.198500222
0.9880	0.83492693	0.55036081	1.517053733	0.659172433	1.816989826	1.197709604
0.9890	0.83547687	0.54952561	1.520360202	0.657738869	1.819751397	1.196921225
0.9900	0.83602598	0.54868986	1.523676741	0.656307190	1.822523199	1.196135079
0.9910	0.83657425	0.54785356	1.527003402	0.654877389	1.825305286	1.195351159
0.9920	0.83712169	0.54701671	1.530340238	0.653449459	1.828097711	1.194569460
0.9930	0.83766828	0.54617932	1.533687302	0.652023394	1.830900527	1.193789976
0.9940	0.83821404	0.54534138	1.537044649	0.650599188	1.833713787	1.193012700
0.9950	0.83875897	0.54450289	1.540412333	0.649176833	1.836537545	1.192237628
0.9960	0.83930305	0.54366386	1.543790408	0.647756324	1.839371855	1.191464752
0.9970	0.83984629	0.54282428	1.547178929	0.646337655	1.842216773	1.190694068
0.9980	0.84038870	0.54198417	1.550577951	0.644920817	1.845072352	1.189925569
0.9990	0.84093026	0.54114351	1.553987531	0.643505807	1.847938648	1.189159251

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
1.0000	0.84147098	0.54030231	1.557407725	0.642092616	1.850815718	1.188395106
1.0010	0.84201087	0.53946056	1.560838588	0.640681239	1.853703616	1.187633129
1.0020	0.84254991	0.53861828	1.564280178	0.639271669	1.856602401	1.186873315
1.0030	0.84308810	0.53777547	1.567732552	0.637863900	1.859512128	1.186115658
1.0040	0.84362546	0.53693211	1.571195768	0.636457926	1.862432855	1.185360153
1.0050	0.84416197	0.53608821	1.574669884	0.635053741	1.865364641	1.184606793
1.0060	0.84469763	0.53524378	1.578154958	0.633651338	1.868307542	1.183855573
1.0070	0.84523245	0.53439882	1.581651050	0.632250711	1.871261618	1.183106488
1.0080	0.84576643	0.53355332	1.585158218	0.630851854	1.874226927	1.182359531
1.0090	0.84629956	0.53270729	1.588676523	0.629454760	1.877203530	1.181614698
1.0100	0.84683184	0.53186072	1.592206024	0.628059425	1.880191486	1.180871983
1.0110	0.84736328	0.53101362	1.595746783	0.626665841	1.883190855	1.180131381
1.0120	0.84789387	0.53016600	1.599298860	0.625274003	1.886201698	1.179392886
1.0130	0.84842361	0.52931784	1.602862317	0.623883904	1.889224076	1.178656492
1.0140	0.84895251	0.52846915	1.606437216	0.622495539	1.892258050	1.177922194
1.0150	0.84948055	0.52761993	1.610023619	0.621108901	1.895303684	1.177189987
1.0160	0.85000775	0.52677019	1.613621589	0.619723984	1.898361039	1.176459866
1.0170	0.85053409	0.52591992	1.617231190	0.618340783	1.901430178	1.175731825
1.0180	0.85105959	0.52506912	1.620852484	0.616959291	1.904511164	1.175005858
1.0190	0.85158423	0.52421780	1.624485537	0.615579503	1.907604062	1.174281961
1.0200	0.85210802	0.52336595	1.628130412	0.614201413	1.910708936	1.173560129
1.0210	0.85263096	0.52251358	1.631787176	0.612825015	1.913825851	1.172840355
1.0220	0.85315305	0.52166069	1.635455893	0.611450302	1.916954871	1.172122635
1.0230	0.85367428	0.52080728	1.639136630	0.610077270	1.920096063	1.171406964
1.0240	0.85419466	0.51995334	1.642829453	0.608705912	1.923249493	1.170693336
1.0250	0.85471419	0.51909889	1.646534429	0.607336222	1.926415227	1.169981746
1.0260	0.85523286	0.51824391	1.650251627	0.605968195	1.929593333	1.169272190
1.0270	0.85575068	0.51738842	1.653981113	0.604601825	1.932783879	1.168564661
1.0280	0.85626764	0.51653241	1.657722957	0.603237107	1.935986932	1.167859155
1.0290	0.85678374	0.51567589	1.661477227	0.601874033	1.939202562	1.167155667
1.0300	0.85729899	0.51481884	1.665243993	0.600512600	1.942430837	1.166454192
1.0310	0.85781338	0.51396129	1.669023326	0.599152801	1.945671828	1.165754725
1.0320	0.85832691	0.51310322	1.672815295	0.597794630	1.948925604	1.165057260
1.0330	0.85883959	0.51224464	1.676619971	0.596438082	1.952192237	1.164361793
1.0340	0.85935140	0.51138554	1.680437428	0.595083151	1.955471797	1.163668319
1.0350	0.85986236	0.51052593	1.684267735	0.593729832	1.958764357	1.162976833
1.0360	0.86037245	0.50966582	1.688110968	0.592378119	1.962069988	1.162287329
1.0370	0.86088169	0.50880519	1.691967197	0.591028007	1.965388765	1.161599804
1.0380	0.86139006	0.50794405	1.695836498	0.589679489	1.968720759	1.160914252
1.0390	0.86189758	0.50708241	1.699718945	0.588332561	1.972066046	1.160230668
1.0400	0.86240423	0.50622026	1.703614612	0.586987217	1.975424700	1.159549047
1.0410	0.86291002	0.50535760	1.707523576	0.585643451	1.978796796	1.158869385
1.0420	0.86341494	0.50449444	1.711445911	0.584301259	1.982182410	1.158191677
1.0430	0.86391900	0.50363077	1.715381696	0.582960634	1.985581618	1.157515918
1.0440	0.86442220	0.50276660	1.719331006	0.581621571	1.988994497	1.156842103
1.0450	0.86492454	0.50190193	1.723293920	0.580284064	1.992421124	1.156170228
1.0460	0.86542601	0.50103675	1.727270516	0.578948110	1.995861577	1.155500287
1.0470	0.86592661	0.50017107	1.731260873	0.577613701	1.999315936	1.154832277
1.0480	0.86642635	0.49930490	1.735265071	0.576280833	2.002784279	1.154166192
1.0490	0.86692522	0.49843822	1.739283190	0.574949500	2.006266686	1.153502027

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
1.0500	0.86742323	0.49757105	1.743315310	0.573619697	2.009763237	1.152839779
1.0510	0.86792036	0.49670338	1.747361513	0.572291419	2.013274015	1.152179443
1.0520	0.86841663	0.49583521	1.751421882	0.570964660	2.016799100	1.151521013
1.0530	0.86891203	0.49496654	1.755496498	0.569639416	2.020338574	1.150864486
1.0540	0.86940657	0.49409738	1.759585446	0.568315681	2.023892522	1.150209856
1.0550	0.86990023	0.49322773	1.763688808	0.566993449	2.027461026	1.149557119
1.0560	0.87039302	0.49235758	1.767806670	0.565672716	2.031044171	1.148906272
1.0570	0.87088494	0.49148694	1.771939118	0.564353476	2.034642041	1.148257308
1.0580	0.87137599	0.49061581	1.776086236	0.563035724	2.038254723	1.147610224
1.0590	0.87186617	0.48974419	1.780248111	0.561719456	2.041882303	1.146965016
1.0600	0.87235548	0.48887208	1.784424832	0.560404665	2.045524867	1.146321678
1.0610	0.87284392	0.48799948	1.788616485	0.559091347	2.049182503	1.145680206
1.0620	0.87333148	0.48712639	1.792823159	0.557779497	2.052855299	1.145040596
1.0630	0.87381817	0.48625282	1.797044944	0.556469110	2.056543345	1.144402844
1.0640	0.87430399	0.48537876	1.801281930	0.555160180	2.060246731	1.143766945
1.0650	0.87478893	0.48450421	1.805534208	0.553852702	2.063965546	1.143132895
1.0660	0.87527299	0.48362918	1.809801868	0.552546672	2.067699882	1.142500689
1.0670	0.87575619	0.48275367	1.814085004	0.551242085	2.071449831	1.141870324
1.0680	0.87623850	0.48187767	1.818383708	0.549938935	2.075215485	1.141241794
1.0690	0.87671994	0.48100119	1.822698074	0.548637218	2.078996938	1.140615096
1.0700	0.87720050	0.48012423	1.827028197	0.547336928	2.082794284	1.139990225
1.0710	0.87768019	0.47924679	1.831374170	0.546038061	2.086607618	1.139367177
1.0720	0.87815900	0.47836887	1.835736091	0.544740611	2.090437035	1.138745948
1.0730	0.87863693	0.47749047	1.840114057	0.543444574	2.094282632	1.138126533
1.0740	0.87911398	0.47661160	1.844508163	0.542149945	2.098144505	1.137508929
1.0750	0.87959015	0.47573224	1.848918510	0.540856719	2.102022754	1.136893131
1.0760	0.88006544	0.47485242	1.853345196	0.539564892	2.105917476	1.136279135
1.0770	0.88053986	0.47397211	1.857788320	0.538274457	2.109828771	1.135666937
1.0780	0.88101339	0.47309134	1.862247985	0.536985411	2.113756740	1.135056533
1.0790	0.88148604	0.47221009	1.866724290	0.535697749	2.117701483	1.134447918
1.0800	0.88195781	0.47132836	1.871217338	0.534411466	2.121663104	1.133841089
1.0810	0.88242869	0.47044617	1.875727233	0.533126556	2.125641703	1.133236041
1.0820	0.88289870	0.46956351	1.880254078	0.531843016	2.129637386	1.132632771
1.0830	0.88336782	0.46868037	1.884797979	0.530560841	2.133650257	1.132031274
1.0840	0.88383606	0.46779677	1.889359040	0.529280025	2.137680421	1.131431547
1.0850	0.88430341	0.46691270	1.893937369	0.528000564	2.141727984	1.130833585
1.0860	0.88476988	0.46602817	1.898533074	0.526722454	2.145793054	1.130237384
1.0870	0.88523547	0.46514316	1.903146261	0.525445690	2.149875739	1.129642940
1.0880	0.88570017	0.46425769	1.907777042	0.524170266	2.153976147	1.129050250
1.0890	0.88616399	0.46337176	1.912425525	0.522896179	2.158094388	1.128459310
1.0900	0.88662691	0.46248537	1.917091822	0.521623424	2.162230573	1.127870115
1.0910	0.88708896	0.46159851	1.921776044	0.520351996	2.166384814	1.127282662
1.0920	0.88755011	0.46071119	1.926478306	0.519081890	2.170557224	1.126696946
1.0930	0.88801038	0.45982341	1.931198720	0.517813102	2.174747915	1.126112964
1.0940	0.88846976	0.45893517	1.935937401	0.516545628	2.178957003	1.125530713
1.0950	0.88892825	0.45804647	1.940694466	0.515279462	2.183184603	1.124950187
1.0960	0.88938585	0.45715731	1.945470030	0.514014600	2.187430831	1.124371384
1.0970	0.88984256	0.45626770	1.950264212	0.512751038	2.191695804	1.123794299
1.0980	0.89029839	0.45537763	1.955077131	0.511488772	2.195979642	1.123218929
1.0990	0.89075332	0.45448710	1.959908906	0.510227795	2.200282463	1.122645270

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
1.1000	0.89120736	0.45359612	1.964759657	0.508968105	2.204604389	1.122073319
1.1010	0.89166051	0.45270469	1.969629507	0.507709697	2.208945540	1.121503070
1.1020	0.89211277	0.45181280	1.974518579	0.506452565	2.213306038	1.120934521
1.1030	0.89256414	0.45092046	1.979426996	0.505196707	2.217686009	1.120367669
1.1040	0.89301461	0.45002767	1.984354883	0.503942117	2.222085575	1.119802508
1.1050	0.89346419	0.44913443	1.989302367	0.502688790	2.226504863	1.119239036
1.1060	0.89391288	0.44824074	1.994269574	0.501436723	2.230944000	1.118677249
1.1070	0.89436067	0.44734661	1.999256632	0.500185911	2.235403114	1.118117143
1.1080	0.89480757	0.44645202	2.004263671	0.498936350	2.239882333	1.117558715
1.1090	0.89525358	0.44555699	2.009290822	0.497688035	2.244381787	1.117001961
1.1100	0.89569869	0.44466152	2.014338214	0.496440962	2.248901608	1.116446877
1.1110	0.89614290	0.44376560	2.019405983	0.495195126	2.253441928	1.115893459
1.1120	0.89658622	0.44286923	2.024494260	0.493950524	2.258002881	1.115341705
1.1130	0.89702864	0.44197242	2.029603182	0.492707150	2.262584601	1.114791611
1.1140	0.89747016	0.44107517	2.034732884	0.491465002	2.267187224	1.114243173
1.1150	0.89791079	0.44017748	2.039883504	0.490224073	2.271810888	1.113696387
1.1160	0.89835052	0.43927935	2.045055180	0.488984361	2.276455730	1.113151250
1.1170	0.89878935	0.43838078	2.050248052	0.487745860	2.281121890	1.112607758
1.1180	0.89922728	0.43748177	2.055462261	0.486508567	2.285809508	1.112065909
1.1190	0.89966431	0.43658233	2.060697950	0.485272478	2.290518727	1.111525698
1.1200	0.90010044	0.43568245	2.065955261	0.484037587	2.295249691	1.110987122
1.1210	0.90053567	0.43478213	2.071234341	0.482803892	2.300002542	1.110450178
1.1220	0.90097001	0.43388138	2.076535334	0.481571387	2.304777428	1.109914862
1.1230	0.90140344	0.43298019	2.081858388	0.480340068	2.309574495	1.109381170
1.1240	0.90183597	0.43207857	2.087203652	0.479109932	2.314393892	1.108849100
1.1250	0.90226759	0.43117652	2.092571276	0.477880974	2.319235768	1.108318648
1.1260	0.90269832	0.43027403	2.097961412	0.476653190	2.324100275	1.107789810
1.1270	0.90312814	0.42937112	2.103374212	0.475426576	2.328987564	1.107262584
1.1280	0.90355706	0.42846778	2.108809830	0.474201128	2.333897791	1.106736965
1.1290	0.90398508	0.42756401	2.114268422	0.472976841	2.338831109	1.106212951
1.1300	0.90441219	0.42665981	2.119750144	0.471753712	2.343787677	1.105690538
1.1310	0.90483840	0.42575518	2.125255156	0.470531737	2.348767651	1.105169722
1.1320	0.90526370	0.42485013	2.130783617	0.469310911	2.353771191	1.104650502
1.1330	0.90568810	0.42394466	2.136335688	0.468091230	2.358798459	1.104132872
1.1340	0.90611159	0.42303876	2.141911531	0.466872691	2.363849616	1.103616831
1.1350	0.90653417	0.42213243	2.147511313	0.465655289	2.368924827	1.103102374
1.1360	0.90695585	0.42122569	2.153135197	0.464439020	2.374024257	1.102589499
1.1370	0.90737663	0.42031852	2.158783351	0.463223880	2.379148074	1.102078202
1.1380	0.90779649	0.41941093	2.164455944	0.462009866	2.384296444	1.101568480
1.1390	0.90821545	0.41850293	2.170153147	0.460796972	2.389469540	1.101060330
1.1400	0.90863350	0.41759450	2.175875131	0.459585197	2.394667532	1.100553748
1.1410	0.90905064	0.41668566	2.181622070	0.458374534	2.399890593	1.100048732
1.1420	0.90946687	0.41577640	2.187394140	0.457164981	2.405138899	1.099545279
1.1430	0.90988219	0.41486673	2.193191516	0.455956533	2.410412626	1.099043384
1.1440	0.91029660	0.41395664	2.199014377	0.454749187	2.415711951	1.098543046
1.1450	0.91071010	0.41304614	2.204862905	0.453542938	2.421037056	1.098044260
1.1460	0.91112269	0.41213522	2.210737279	0.452337783	2.426388122	1.097547024
1.1470	0.91153437	0.41122389	2.216637685	0.451133718	2.431765331	1.097051335
1.1480	0.91194514	0.41031215	2.222564307	0.449930739	2.437168869	1.096557189
1.1490	0.91235500	0.40940000	2.228517332	0.448728841	2.442598923	1.096064584

x	sin(x)	cos(x)	tan(x)	cot(x)	sec(x)	csc(x)
1.1500	0.91276394	0.40848744	2.234496949	0.447528022	2.448055680	1.095573517
1.1510	0.91317197	0.40757447	2.240503349	0.446328277	2.453539332	1.095083984
1.1520	0.91357909	0.40666110	2.246536724	0.445129603	2.459050071	1.094595982
1.1530	0.91398529	0.40574731	2.252597268	0.443931995	2.464588090	1.094109508
1.1540	0.91439058	0.40483313	2.258685178	0.442735451	2.470153585	1.093624560
1.1550	0.91479496	0.40391853	2.264800652	0.441539965	2.475746755	1.093141135
1.1560	0.91519842	0.40300354	2.270943889	0.440345534	2.481367798	1.092659228
1.1570	0.91560097	0.40208814	2.277115092	0.439152155	2.487016916	1.092178839
1.1580	0.91600260	0.40117234	2.283314464	0.437959824	2.492694314	1.091699962
1.1590	0.91640331	0.40025613	2.289542211	0.436768536	2.498400195	1.091222596
1.1600	0.91680311	0.39933953	2.295798540	0.435578289	2.504134768	1.090746738
1.1610	0.91720199	0.39842253	2.302083663	0.434389078	2.509898243	1.090272384
1.1620	0.91759995	0.39750513	2.308397790	0.433200900	2.515690831	1.089799532
1.1630	0.91799700	0.39658733	2.314741135	0.432013751	2.521512745	1.089328179
1.1640	0.91839313	0.39566913	2.321113915	0.430827627	2.527364202	1.088858321
1.1650	0.91878834	0.39475054	2.327516348	0.429642525	2.533245418	1.088389957
1.1660	0.91918263	0.39383156	2.333948654	0.428458440	2.539156616	1.087923083
1.1670	0.91957600	0.39291218	2.340411055	0.427275370	2.545098015	1.087457697
1.1680	0.91996845	0.39199240	2.346903777	0.426093311	2.551069842	1.086993795
1.1690	0.92035999	0.39107224	2.353427046	0.424912258	2.557072322	1.086531374
1.1700	0.92075060	0.39015168	2.359981091	0.423732209	2.563105685	1.086070433
1.1710	0.92114029	0.38923074	2.366566145	0.422553159	2.569170161	1.085610967
1.1720	0.92152906	0.38830940	2.373182440	0.421375105	2.575265985	1.085152975
1.1730	0.92191691	0.38738768	2.379830214	0.420198044	2.581393392	1.084696453
1.1740	0.92230383	0.38646557	2.386509704	0.419021971	2.587552621	1.084241399
1.1750	0.92268984	0.38554307	2.393221152	0.417846884	2.593743912	1.083787810
1.1760	0.92307492	0.38462019	2.399964800	0.416672778	2.599967508	1.083335684
1.1770	0.92345908	0.38369692	2.406740896	0.415499650	2.606223655	1.082885017
1.1780	0.92384231	0.38277327	2.413549687	0.414327497	2.612512601	1.082435806
1.1790	0.92422463	0.38184924	2.420391424	0.413156314	2.618834597	1.081988050
1.1800	0.92460601	0.38092482	2.427266361	0.411986099	2.625189896	1.081541745
1.1810	0.92498647	0.38000003	2.434174754	0.410816848	2.631578753	1.081096889
1.1820	0.92536601	0.37907485	2.441116862	0.409648557	2.638001428	1.080653478
1.1830	0.92574462	0.37814930	2.448092945	0.408481223	2.644458180	1.080211511
1.1840	0.92612231	0.37722336	2.455103268	0.407314842	2.650949275	1.079770985
1.1850	0.92649907	0.37629705	2.462148098	0.406149411	2.657474978	1.079331897
1.1860	0.92687490	0.37537036	2.469227705	0.404984926	2.664035559	1.078894244
1.1870	0.92724981	0.37444330	2.476342361	0.403821384	2.670631290	1.078458024
1.1880	0.92762379	0.37351587	2.483492340	0.402658782	2.677262446	1.078023235
1.1890	0.92799684	0.37258806	2.490677922	0.401497115	2.683929305	1.077589872
1.1900	0.92836897	0.37165987	2.497899387	0.400336381	2.690632147	1.077157935
1.1910	0.92874016	0.37073132	2.505157020	0.399176575	2.697371256	1.076727421
1.1920	0.92911043	0.36980239	2.512451107	0.398017696	2.704146920	1.076298326
1.1930	0.92947977	0.36887310	2.519781938	0.396859738	2.710959427	1.075870648
1.1940	0.92984818	0.36794343	2.527149807	0.395702699	2.717809071	1.075444385
1.1950	0.93021565	0.36701340	2.534555010	0.394546576	2.724696148	1.075019535
1.1960	0.93058220	0.36608300	2.541997846	0.393391364	2.731620956	1.074596094
1.1970	0.93094782	0.36515224	2.549478617	0.392237061	2.738583798	1.074174060
1.1980	0.93131251	0.36422111	2.556997631	0.391083663	2.745584980	1.073753431
1.1990	0.93167626	0.36328961	2.564555195	0.389931167	2.752624810	1.073334205

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
1.2000	0.93203909	0.36235775	2.572151622	0.388779569	2.759703601	1.072916378
1.2010	0.93240098	0.36142553	2.579787229	0.387628867	2.766821668	1.072499948
1.2020	0.93276194	0.36049295	2.587462333	0.386479056	2.773979331	1.072084913
1.2030	0.93312196	0.35956001	2.595177259	0.385330134	2.781176911	1.071671270
1.2040	0.93348106	0.35862671	2.602932333	0.384182096	2.788414734	1.071259018
1.2050	0.93383922	0.35769305	2.610727883	0.383034941	2.795693131	1.070848153
1.2060	0.93419644	0.35675903	2.618564245	0.381888664	2.803012434	1.070438672
1.2070	0.93455273	0.35582466	2.626441754	0.380743262	2.810372980	1.070030575
1.2080	0.93490809	0.35488993	2.634360752	0.379598732	2.817775110	1.069623858
1.2090	0.93526251	0.35395484	2.642321582	0.378455070	2.825219168	1.069218518
1.2100	0.93561600	0.35301940	2.650324595	0.377312274	2.832705502	1.068814555
1.2110	0.93596855	0.35208361	2.658370141	0.376170340	2.840234464	1.068411964
1.2120	0.93632017	0.35114746	2.666458578	0.375029265	2.847806410	1.068010744
1.2130	0.93667085	0.35021097	2.674590265	0.373889045	2.855421700	1.067610893
1.2140	0.93702059	0.34927412	2.682765566	0.372749678	2.863080698	1.067212407
1.2150	0.93736940	0.34833693	2.690984850	0.371611159	2.870783772	1.066815286
1.2160	0.93771726	0.34739938	2.699248490	0.370473487	2.878531294	1.066419526
1.2170	0.93806419	0.34646149	2.707556862	0.369336657	2.886323641	1.066025125
1.2180	0.93841019	0.34552326	2.715910346	0.368200667	2.894161192	1.065632080
1.2190	0.93875524	0.34458467	2.724309329	0.367065513	2.902044334	1.065240391
1.2200	0.93909936	0.34364575	2.732754199	0.365931191	2.909973456	1.064850054
1.2210	0.93944253	0.34270648	2.741245352	0.364797700	2.917948951	1.064461066
1.2220	0.93978477	0.34176686	2.749783185	0.363665036	2.925971217	1.064073427
1.2230	0.94012607	0.34082691	2.758368102	0.362533195	2.934040659	1.063687133
1.2240	0.94046642	0.33988661	2.767000511	0.361402174	2.942157682	1.063302183
1.2250	0.94080584	0.33894597	2.775680824	0.360271970	2.950322701	1.062918573
1.2260	0.94114431	0.33800500	2.784409459	0.359142581	2.958536131	1.062536302
1.2270	0.94148185	0.33706369	2.793186838	0.358014003	2.966798394	1.062155368
1.2280	0.94181844	0.33612203	2.802013388	0.356886232	2.975109918	1.061775769
1.2290	0.94215409	0.33518005	2.810889541	0.355759266	2.983471134	1.061397501
1.2300	0.94248880	0.33423773	2.819815734	0.354633102	2.991882480	1.061020564
1.2310	0.94282257	0.33329507	2.828792411	0.353507736	3.000344397	1.060644954
1.2320	0.94315539	0.33235208	2.837820017	0.352383165	3.008857333	1.060270671
1.2330	0.94348727	0.33140876	2.846899007	0.351259387	3.017421740	1.059897711
1.2340	0.94381821	0.33046511	2.856029839	0.350136398	3.026038077	1.059526072
1.2350	0.94414820	0.32952112	2.865212976	0.349014195	3.034706806	1.059155753
1.2360	0.94447725	0.32857681	2.874448887	0.347892775	3.043428396	1.058786750
1.2370	0.94480536	0.32763217	2.883738048	0.346772135	3.052203324	1.058419063
1.2380	0.94513252	0.32668720	2.893080938	0.345652272	3.061032067	1.058052689
1.2390	0.94545873	0.32574191	2.902478046	0.344533183	3.069915114	1.057687626
1.2400	0.94578400	0.32479628	2.911929861	0.343414865	3.078852955	1.057323872
1.2410	0.94610832	0.32385034	2.921436884	0.342297315	3.087846088	1.056961424
1.2420	0.94643170	0.32290407	2.930999617	0.341180529	3.096895019	1.056600281
1.2430	0.94675413	0.32195748	2.940618572	0.340064505	3.106000256	1.056240440
1.2440	0.94707561	0.32101056	2.950294266	0.338949240	3.115162316	1.055881900
1.2450	0.94739615	0.32006332	2.960027220	0.337834731	3.124381722	1.055524659
1.2460	0.94771574	0.31911577	2.969817966	0.336720975	3.133659003	1.055168714
1.2470	0.94803438	0.31816789	2.979667037	0.335607968	3.142994695	1.054814063
1.2480	0.94835208	0.31721970	2.989574979	0.334495708	3.152389340	1.054460705
1.2490	0.94866882	0.31627119	2.999542339	0.333384192	3.161843488	1.054108638

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
1.2500	0.94898462	0.31532236	3.009569674	0.332273417	3.171357694	1.053757858
1.2510	0.94929947	0.31437322	3.019657547	0.331163380	3.180932521	1.053408365
1.2520	0.94961337	0.31342376	3.029806529	0.330054078	3.190568539	1.053060157
1.2530	0.94992631	0.31247399	3.040017196	0.328945508	3.200266325	1.052713231
1.2540	0.95023831	0.31152391	3.050290134	0.327837667	3.210026464	1.052367586
1.2550	0.95054936	0.31057352	3.060625934	0.326730552	3.219849548	1.052023219
1.2560	0.95085946	0.30962281	3.071025197	0.325624160	3.229736175	1.051680129
1.2570	0.95116861	0.30867180	3.081488530	0.324518489	3.239686954	1.051338313
1.2580	0.95147680	0.30772048	3.092016547	0.323413534	3.249702498	1.050997771
1.2590	0.95178405	0.30676885	3.102609871	0.322309295	3.259783430	1.050658499
1.2600	0.95209034	0.30581691	3.113269134	0.321205767	3.269930382	1.050320496
1.2610	0.95239568	0.30486467	3.123994975	0.320102948	3.280143991	1.049983760
1.2620	0.95270007	0.30391212	3.134788041	0.319000834	3.290424906	1.049648290
1.2630	0.95300351	0.30295927	3.145648987	0.317899424	3.300773781	1.049314082
1.2640	0.95330599	0.30200611	3.156578479	0.316798713	3.311191280	1.048981136
1.2650	0.95360752	0.30105265	3.167577188	0.315698700	3.321678076	1.048649450
1.2660	0.95390809	0.30009890	3.178645798	0.314599381	3.332234852	1.048319021
1.2670	0.95420772	0.29914484	3.189784998	0.313500753	3.342862297	1.047989848
1.2680	0.95450638	0.29819048	3.200995489	0.312402814	3.353561111	1.047661929
1.2690	0.95480410	0.29723583	3.212277981	0.311305561	3.364332003	1.047335263
1.2700	0.95510086	0.29628087	3.223633190	0.310208991	3.375175691	1.047009846
1.2710	0.95539666	0.29532562	3.235061847	0.309113101	3.386092904	1.046685678
1.2720	0.95569151	0.29437008	3.246564688	0.308017888	3.397084378	1.046362757
1.2730	0.95598540	0.29341424	3.258142462	0.306923350	3.408150863	1.046041081
1.2740	0.95627834	0.29245811	3.269795927	0.305829484	3.419293115	1.045720648
1.2750	0.95657032	0.29150169	3.281525851	0.304736286	3.430511902	1.045401456
1.2760	0.95686134	0.29054497	3.293333012	0.303643754	3.441808003	1.045083504
1.2770	0.95715140	0.28958796	3.305218200	0.302551886	3.453182207	1.044766789
1.2780	0.95744051	0.28863067	3.317182215	0.301460678	3.464635313	1.044451311
1.2790	0.95772867	0.28767308	3.329225868	0.300370128	3.476168132	1.044137067
1.2800	0.95801586	0.28671521	3.341349981	0.299280233	3.487781486	1.043824055
1.2810	0.95830210	0.28575705	3.353555387	0.298190990	3.499476209	1.043512274
1.2820	0.95858737	0.28479861	3.365842932	0.297102396	3.511253144	1.043201722
1.2830	0.95887169	0.28383988	3.378213472	0.296014449	3.523113150	1.042892398
1.2840	0.95915505	0.28288086	3.390667876	0.294927146	3.535057093	1.042584299
1.2850	0.95943746	0.28192157	3.403207025	0.293840484	3.547085854	1.042277425
1.2860	0.95971890	0.28096199	3.415831812	0.292754461	3.559200327	1.041971772
1.2870	0.95999938	0.28000213	3.428543143	0.291669073	3.571401418	1.041667340
1.2880	0.96027890	0.27904199	3.441341937	0.290584318	3.583690043	1.041364127
1.2890	0.96055746	0.27808157	3.454229125	0.289500194	3.596067136	1.041062132
1.2900	0.96083506	0.27712088	3.467205652	0.288416696	3.608533640	1.040761352
1.2910	0.96111170	0.27615990	3.480272476	0.287333824	3.621090514	1.040461785
1.2920	0.96138738	0.27519865	3.493430571	0.286251574	3.633738730	1.040163431
1.2930	0.96166210	0.27423713	3.506680922	0.285169943	3.646479273	1.039866288
1.2940	0.96193586	0.27327533	3.520024529	0.284088929	3.659313144	1.039570353
1.2950	0.96220865	0.27231326	3.533462408	0.283008529	3.672241358	1.039275626
1.2960	0.96248048	0.27135091	3.546995588	0.281928741	3.685264943	1.038982105
1.2970	0.96275135	0.27038830	3.560625114	0.280849561	3.698384945	1.038689788
1.2980	0.96302126	0.26942541	3.574352046	0.279770987	3.711602424	1.038398674
1.2990	0.96329020	0.26846225	3.588177461	0.278693016	3.724918454	1.038108760

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
1.3000	0.96355819	0.26749883	3.602102448	0.277615647	3.738334127	1.037820046
1.3010	0.96382520	0.26653514	3.616128117	0.276538875	3.751850551	1.037532529
1.3020	0.96409126	0.26557118	3.630255591	0.275462698	3.765468849	1.037246209
1.3030	0.96435634	0.26460695	3.644486011	0.274387114	3.779190163	1.036961083
1.3040	0.96462047	0.26364247	3.658820536	0.273312121	3.793015649	1.036677151
1.3050	0.96488363	0.26267771	3.673260341	0.272237714	3.806946484	1.036394410
1.3060	0.96514582	0.26171270	3.687806620	0.271163893	3.820983861	1.036112859
1.3070	0.96540705	0.26074742	3.702460583	0.270090654	3.835128990	1.035832497
1.3080	0.96566732	0.25978189	3.717223462	0.269017994	3.849383102	1.035553321
1.3090	0.96592662	0.25881609	3.732096503	0.267945912	3.863747444	1.035275331
1.3100	0.96618495	0.25785003	3.747080976	0.266874403	3.878223284	1.034998525
1.3110	0.96644232	0.25688372	3.762178167	0.265803467	3.892811910	1.034722902
1.3120	0.96669872	0.25591715	3.777389384	0.264733100	3.907514627	1.034448459
1.3130	0.96695415	0.25495032	3.792715954	0.263663299	3.922332764	1.034175196
1.3140	0.96720862	0.25398324	3.808159226	0.262594062	3.937267668	1.033903110
1.3150	0.96746212	0.25301590	3.823720568	0.261525387	3.952320708	1.033632201
1.3160	0.96771465	0.25204832	3.839401371	0.260457270	3.967493275	1.033362468
1.3170	0.96796622	0.25108048	3.855203048	0.259389710	3.982786781	1.033093907
1.3180	0.96821681	0.25011238	3.871127034	0.258322703	3.998202661	1.032826519
1.3190	0.96846644	0.24914404	3.887174787	0.257256248	4.013742371	1.032560302
1.3200	0.96871510	0.24817545	3.903347787	0.256190341	4.029407394	1.032295254
1.3210	0.96896279	0.24720661	3.919647540	0.255124980	4.045199234	1.032031373
1.3220	0.96920951	0.24623753	3.936075575	0.254060162	4.061119419	1.031768659
1.3230	0.96945527	0.24526819	3.952633444	0.252995886	4.077169502	1.031507110
1.3240	0.96970005	0.24429862	3.969322728	0.251932148	4.093351062	1.031246725
1.3250	0.96994386	0.24332879	3.986145029	0.250868945	4.109665704	1.030987501
1.3260	0.97018671	0.24235873	4.003101980	0.249806276	4.126115057	1.030729439
1.3270	0.97042858	0.24138842	4.020195237	0.248744138	4.142700779	1.030472535
1.3280	0.97066948	0.24041787	4.037426486	0.247682528	4.159424555	1.030216790
1.3290	0.97090942	0.23944708	4.054797438	0.246621444	4.176288096	1.029962202
1.3300	0.97114838	0.23847605	4.072309835	0.245560883	4.193293145	1.029708768
1.3310	0.97138637	0.23750479	4.089965448	0.244500843	4.210441469	1.029456489
1.3320	0.97162339	0.23653328	4.107766075	0.243441321	4.227734870	1.029205362
1.3330	0.97185943	0.23556154	4.125713547	0.242382315	4.245175176	1.028955386
1.3340	0.97209451	0.23458956	4.143809725	0.241323822	4.262764249	1.028706560
1.3350	0.97232861	0.23361735	4.162056501	0.240265840	4.280503980	1.028458883
1.3360	0.97256175	0.23264491	4.180455801	0.239208366	4.298396294	1.028212353
1.3370	0.97279390	0.23167223	4.199009581	0.238151398	4.316443149	1.027966968
1.3380	0.97302509	0.23069932	4.217719833	0.237094933	4.334646536	1.027722729
1.3390	0.97325530	0.22972618	4.236588583	0.236038969	4.353008480	1.027479632
1.3400	0.97348454	0.22875281	4.255617892	0.234983503	4.371531041	1.027237678
1.3410	0.97371281	0.22777921	4.274809855	0.233928533	4.390216316	1.026996864
1.3420	0.97394010	0.22680538	4.294166608	0.232874057	4.409066438	1.026757190
1.3430	0.97416642	0.22583133	4.313690319	0.231820072	4.428083577	1.026518653
1.3440	0.97439176	0.22485705	4.333383199	0.230766575	4.447269943	1.026281254
1.3450	0.97461613	0.22388255	4.353247495	0.229713565	4.466627783	1.026044990
1.3460	0.97483953	0.22290782	4.373285496	0.228661038	4.486159385	1.025809861
1.3470	0.97506195	0.22193287	4.393499530	0.227608992	4.505867078	1.025575864
1.3480	0.97528339	0.22095769	4.413891969	0.226557425	4.525753232	1.025343000
1.3490	0.97550386	0.21998230	4.434465227	0.225506335	4.545820261	1.025111266

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
1.3500	0.97572336	0.21900669	4.455221760	0.224455718	4.566070622	1.024880661
1.3510	0.97594188	0.21803085	4.476164070	0.223405573	4.586506817	1.024651185
1.3520	0.97615942	0.21705480	4.497294706	0.222355897	4.607131393	1.024422835
1.3530	0.97637599	0.21607854	4.518616262	0.221306688	4.627946945	1.024195611
1.3540	0.97659158	0.21510205	4.540131381	0.220257943	4.648956115	1.023969512
1.3550	0.97680619	0.21412535	4.561842754	0.219209660	4.670161593	1.023744536
1.3560	0.97701983	0.21314844	4.583753122	0.218161837	4.691566123	1.023520682
1.3570	0.97723249	0.21217131	4.605865279	0.217114470	4.713172495	1.023297949
1.3580	0.97744417	0.21119398	4.628182069	0.216067559	4.734983555	1.023076336
1.3590	0.97765487	0.21021643	4.650706393	0.215021099	4.757002202	1.022855842
1.3600	0.97786460	0.20923867	4.673441203	0.213975090	4.779231390	1.022636465
1.3610	0.97807335	0.20826070	4.696389511	0.212929528	4.801674129	1.022418204
1.3620	0.97828112	0.20728252	4.719554384	0.211884411	4.824333486	1.022201058
1.3630	0.97848792	0.20630413	4.742938950	0.210839737	4.847212589	1.021985027
1.3640	0.97869373	0.20532554	4.766546397	0.209795503	4.870314626	1.021770108
1.3650	0.97889857	0.20434675	4.790379973	0.208751708	4.893642844	1.021556301
1.3660	0.97910243	0.20336775	4.814442993	0.207708348	4.917200558	1.021343604
1.3670	0.97930530	0.20238854	4.838738833	0.206665421	4.940991145	1.021132017
1.3680	0.97950720	0.20140914	4.863270939	0.205622926	4.965018049	1.020921538
1.3690	0.97970812	0.20042953	4.888042824	0.204580859	4.989284783	1.020712167
1.3700	0.97990806	0.19944972	4.913058070	0.203539218	5.013794930	1.020503902
1.3710	0.98010702	0.19846971	4.938320333	0.202498002	5.038552145	1.020296742
1.3720	0.98030500	0.19748951	4.963833341	0.201457207	5.063560154	1.020090685
1.3730	0.98050200	0.19650910	4.989600897	0.200416831	5.088822763	1.019885732
1.3740	0.98069802	0.19552850	5.015626882	0.199376872	5.114343850	1.019681880
1.3750	0.98089306	0.19454771	5.041915256	0.198337328	5.140127377	1.019479130
1.3760	0.98108711	0.19356672	5.068470062	0.197298196	5.166177384	1.019277478
1.3770	0.98128019	0.19258553	5.095295423	0.196259474	5.192497997	1.019076926
1.3780	0.98147229	0.19160416	5.122395551	0.195221160	5.219093425	1.018877471
1.3790	0.98166340	0.19062259	5.149774743	0.194183251	5.245967966	1.018679113
1.3800	0.98185353	0.18964083	5.177437389	0.193145745	5.273126010	1.018481850
1.3810	0.98204268	0.18865888	5.205387968	0.192108639	5.300572035	1.018285682
1.3820	0.98223085	0.18767675	5.233631058	0.191071932	5.328310619	1.018090607
1.3830	0.98241803	0.18669442	5.262171331	0.190035622	5.356346433	1.017896624
1.3840	0.98260424	0.18571191	5.291013560	0.188999705	5.384684252	1.017703733
1.3850	0.98278946	0.18472921	5.320162622	0.187964179	5.413328951	1.017511932
1.3860	0.98297370	0.18374633	5.349623499	0.186929043	5.442285511	1.017321221
1.3870	0.98315695	0.18276327	5.379401281	0.185894293	5.471559023	1.017131598
1.3880	0.98333922	0.18178002	5.409501168	0.184859929	5.501154687	1.016943063
1.3890	0.98352051	0.18079659	5.439928478	0.183825946	5.531077819	1.016755614
1.3900	0.98370081	0.17981298	5.470688643	0.182792344	5.561333853	1.016569250
1.3910	0.98388014	0.17882919	5.501787218	0.181759119	5.591928343	1.016383971
1.3920	0.98405847	0.17784522	5.533229882	0.180726270	5.622866967	1.016199776
1.3930	0.98423583	0.17686107	5.565022441	0.179693795	5.654155531	1.016016663
1.3940	0.98441220	0.17587675	5.597170833	0.178661690	5.685799973	1.015834632
1.3950	0.98458758	0.17489225	5.629681131	0.177629954	5.717806366	1.015653681
1.3960	0.98476198	0.17390757	5.662559547	0.176598584	5.750180921	1.015473811
1.3970	0.98493539	0.17292272	5.695812435	0.175567579	5.782929992	1.015295019
1.3980	0.98510783	0.17193770	5.729446297	0.174536936	5.816060082	1.015117305
1.3990	0.98527927	0.17095251	5.763467788	0.173506652	5.849577843	1.014940667

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
1.4000	0.98544973	0.16996714	5.797883715	0.172476726	5.883490085	1.014765106
1.4010	0.98561920	0.16898161	5.832701050	0.171447155	5.917803776	1.014590620
1.4020	0.98578769	0.16799590	5.867926925	0.170417937	5.952526052	1.014417209
1.4030	0.98595520	0.16701003	5.903568646	0.169389070	5.987664216	1.014244870
1.4040	0.98612171	0.16602399	5.939633693	0.168360551	6.023225748	1.014073604
1.4050	0.98628724	0.16503779	5.976129727	0.167332378	6.059218309	1.013903410
1.4060	0.98645179	0.16405142	6.013064593	0.166304550	6.095649744	1.013734286
1.4070	0.98661535	0.16306489	6.050446330	0.165277063	6.132528092	1.013566232
1.4080	0.98677792	0.16207819	6.088283174	0.164249916	6.169861587	1.013399248
1.4090	0.98693950	0.16109133	6.126583562	0.163223106	6.207658668	1.013233331
1.4100	0.98710010	0.16010431	6.165356145	0.162196632	6.245927985	1.013068481
1.4110	0.98725971	0.15911713	6.204609787	0.161170490	6.284678401	1.012904698
1.4120	0.98741834	0.15812979	6.244353577	0.160144679	6.323919006	1.012741980
1.4130	0.98757597	0.15714230	6.284596835	0.159119197	6.363659119	1.012580327
1.4140	0.98773262	0.15615464	6.325349118	0.158094041	6.403908296	1.012419738
1.4150	0.98788828	0.15516683	6.366620227	0.157069209	6.444676339	1.012260212
1.4160	0.98804295	0.15417886	6.408420219	0.156044698	6.485973304	1.012101748
1.4170	0.98819664	0.15319074	6.450759410	0.155020508	6.527809508	1.011944345
1.4180	0.98834933	0.15220247	6.493648388	0.153996635	6.570195537	1.011788003
1.4190	0.98850104	0.15121405	6.537098019	0.152973077	6.613142256	1.011632721
1.4200	0.98865176	0.15022547	6.581119456	0.151949833	6.656660822	1.011478498
1.4210	0.98880149	0.14923674	6.625724153	0.150926899	6.700762685	1.011325333
1.4220	0.98895024	0.14824787	6.670923870	0.149904274	6.745459604	1.011173225
1.4230	0.98909799	0.14725884	6.716730684	0.148881956	6.790763660	1.011022174
1.4240	0.98924475	0.14626967	6.763157004	0.147859942	6.836687257	1.010872179
1.4250	0.98939053	0.14528035	6.810215576	0.146838230	6.883243145	1.010723239
1.4260	0.98953531	0.14429089	6.857919503	0.145816818	6.930444423	1.010575353
1.4270	0.98967911	0.14330128	6.906282246	0.144795704	6.978304555	1.010428521
1.4280	0.98982192	0.14231153	6.955317650	0.143774886	7.026837383	1.010282741
1.4290	0.98996373	0.14132164	7.005039944	0.142754361	7.076057138	1.010138014
1.4300	0.99010456	0.14033161	7.055463766	0.141734127	7.125978456	1.009994338
1.4310	0.99024440	0.13934143	7.106604172	0.140714183	7.176616393	1.009851713
1.4320	0.99038324	0.13835112	7.158476649	0.139694526	7.227986437	1.009710137
1.4330	0.99052110	0.13736067	7.211097137	0.138675153	7.280104527	1.009569610
1.4340	0.99065796	0.13637008	7.264482040	0.137656063	7.332987066	1.009430132
1.4350	0.99079384	0.13537935	7.318648247	0.136637254	7.386650944	1.009291702
1.4360	0.99092872	0.13438849	7.373613147	0.135618723	7.441113548	1.009154318
1.4370	0.99106262	0.13339749	7.429394647	0.134600468	7.496392787	1.009017981
1.4380	0.99119552	0.13240636	7.486011198	0.133582488	7.552507110	1.008882689
1.4390	0.99132743	0.13141510	7.543481806	0.132564779	7.609475524	1.008748443
1.4400	0.99145835	0.13042371	7.601826062	0.131547340	7.667317619	1.008615240
1.4410	0.99158828	0.12943219	7.661064159	0.130530169	7.726053588	1.008483081
1.4420	0.99171721	0.12844053	7.721216917	0.129513263	7.785704251	1.008351965
1.4430	0.99184516	0.12744875	7.782305809	0.128496621	7.846291079	1.008221891
1.4440	0.99197211	0.12645684	7.844352983	0.127480240	7.907836223	1.008092859
1.4450	0.99209807	0.12546481	7.907381294	0.126464118	7.970362535	1.007964867
1.4460	0.99222304	0.12447265	7.971414328	0.125448253	8.033893601	1.007837916
1.4470	0.99234702	0.12348036	8.036476433	0.124432643	8.098453770	1.007712004
1.4480	0.99247000	0.12248795	8.102592751	0.123417285	8.164068183	1.007587131
1.4490	0.99259199	0.12149542	8.169789249	0.122402178	8.230762806	1.007463296

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
1.4500	0.99271299	0.12050277	8.238092753	0.121387320	8.298564467	1.007340499
1.4510	0.99283300	0.11951000	8.307530987	0.120372708	8.367500887	1.007218739
1.4520	0.99295201	0.11851710	8.378132607	0.119358340	8.437600724	1.007098016
1.4530	0.99307003	0.11752409	8.449927242	0.118344214	8.508893605	1.006978328
1.4540	0.99318706	0.11653096	8.522945536	0.117330329	8.581410176	1.006859675
1.4550	0.99330309	0.11553772	8.597219191	0.116316681	8.655182137	1.006742057
1.4560	0.99341813	0.11454436	8.672781016	0.115303269	8.730242296	1.006625473
1.4570	0.99353218	0.11355088	8.749664970	0.114290090	8.806624613	1.006509923
1.4580	0.99364524	0.11255729	8.827906218	0.113277144	8.884364253	1.006395405
1.4590	0.99375730	0.11156359	8.907541182	0.112264426	8.963497638	1.006281919
1.4600	0.99386836	0.11056978	8.988607602	0.111251936	9.044062506	1.006169466
1.4610	0.99397844	0.10957586	9.071144588	0.110239672	9.126097969	1.006058043
1.4620	0.99408752	0.10858182	9.155192693	0.109227630	9.209644578	1.005947650
1.4630	0.99419560	0.10758768	9.240793971	0.108215809	9.294744387	1.005838288
1.4640	0.99430269	0.10659343	9.327992053	0.107204208	9.381441027	1.005729955
1.4650	0.99440879	0.10559908	9.416832219	0.106192823	9.469779777	1.005622651
1.4660	0.99451389	0.10460462	9.507361477	0.105181653	9.559807647	1.005516375
1.4670	0.99461800	0.10361005	9.599628647	0.104170696	9.651573455	1.005411127
1.4680	0.99472111	0.10261538	9.693684449	0.103159950	9.745127921	1.005306906
1.4690	0.99482323	0.10162061	9.789581596	0.102149412	9.840523758	1.005203712
1.4700	0.99492435	0.10062573	9.887374892	0.101139080	9.937815769	1.005101544
1.4710	0.99502448	0.09963076	9.987121338	0.100128953	10.03706096	1.005000402
1.4720	0.99512361	0.09863568	10.08888024	0.099119028	10.13831863	1.004900284
1.4730	0.99522175	0.09764051	10.19271334	0.098109303	10.24165052	1.004801192
1.4740	0.99531889	0.09664524	10.29868492	0.097099776	10.34712091	1.004703124
1.4750	0.99541504	0.09564987	10.40686195	0.096090445	10.45479678	1.004606079
1.4760	0.99551019	0.09465441	10.51731422	0.095081309	10.56474791	1.004510057
1.4770	0.99560435	0.09365885	10.63011451	0.094072364	10.67704709	1.004415058
1.4780	0.99569751	0.09266320	10.74533873	0.093063609	10.79177022	1.004321082
1.4790	0.99578967	0.09166746	10.86306610	0.092055041	10.90899652	1.004228127
1.4800	0.99588084	0.09067162	10.98337931	0.091046660	11.02880869	1.004136193
1.4810	0.99597102	0.08967570	11.10636477	0.090038462	11.15129313	1.004045280
1.4820	0.99606020	0.08867968	11.23211276	0.089030445	11.27654012	1.003955388
1.4830	0.99614838	0.08768358	11.36071766	0.088022608	11.40464404	1.003866515
1.4840	0.99623556	0.08668739	11.49227823	0.087014949	11.53570366	1.003778662
1.4850	0.99632175	0.08569111	11.62689782	0.086007464	11.66982232	1.003691827
1.4860	0.99640695	0.08469474	11.76468465	0.085000153	11.80710824	1.003606011
1.4870	0.99649114	0.08369829	11.90575212	0.083993014	11.94767482	1.003521214
1.4880	0.99657434	0.08270176	12.05021909	0.082986043	12.09164092	1.003437434
1.4890	0.99665655	0.08170515	12.19821025	0.081979240	12.23913123	1.003354671
1.4900	0.99673775	0.08070845	12.34985644	0.080972601	12.39027660	1.003272925
1.4910	0.99681796	0.07971167	12.50529509	0.079966126	12.54521444	1.003192196
1.4920	0.99689718	0.07871481	12.66467059	0.078959811	12.70408915	1.003112482
1.4930	0.99697539	0.07771788	12.82813474	0.077953656	12.86705254	1.003033784
1.4940	0.99705261	0.07672086	12.99584728	0.076947657	13.03426433	1.002956102
1.4950	0.99712883	0.07572377	13.16797635	0.075941813	13.20589266	1.002879434
1.4960	0.99720406	0.07472661	13.34469909	0.074936122	13.38211470	1.002803781
1.4970	0.99727829	0.07372936	13.52620225	0.073930582	13.56311716	1.002729141
1.4980	0.99735152	0.07273205	13.71268283	0.072925190	13.74909708	1.002655516
1.4990	0.99742375	0.07173466	13.90434882	0.071919945	13.94026241	1.002582904

x	$\sin(x)$	$\cos(x)$	$\tan(x)$	$\cot(x)$	$\sec(x)$	$\csc(x)$
1.5000	0.99749499	0.07073720	14.10141995	0.070914844	14.13683290	1.002511304
1.5010	0.99756523	0.06973967	14.30412854	0.069909886	14.33904088	1.002440718
1.5020	0.99763447	0.06874207	14.51272043	0.068905069	14.54713216	1.002371143
1.5030	0.99770271	0.06774440	14.72745595	0.067900390	14.76136710	1.002302581
1.5040	0.99776995	0.06674667	14.94861103	0.066895847	14.98202162	1.002235030
1.5050	0.99783620	0.06574886	15.17647838	0.065891439	15.20938842	1.002168490
1.5060	0.99790145	0.06475099	15.41136876	0.064887163	15.44377827	1.002102961
1.5070	0.99796570	0.06375306	15.65361244	0.063883018	15.68552142	1.002038442
1.5080	0.99802896	0.06275506	15.90356070	0.062879000	15.93496918	1.001974934
1.5090	0.99809121	0.06175700	16.16158757	0.061875109	16.19249557	1.001912436
1.5100	0.99815247	0.06075888	16.42809170	0.060871343	16.45849923	1.001850947
1.5110	0.99821273	0.05976070	16.70349840	0.059867698	16.73340547	1.001790468
1.5120	0.99827199	0.05876246	16.98826190	0.058864174	17.01766854	1.001730997
1.5130	0.99833026	0.05776415	17.28286788	0.057860767	17.31177409	1.001672536
1.5140	0.99838752	0.05676580	17.58783624	0.056857477	17.61624204	1.001615082
1.5150	0.99844379	0.05576738	17.90372411	0.055854301	17.93162951	1.001558637
1.5160	0.99849906	0.05476891	18.23112933	0.054851237	18.25853435	1.001503199
1.5170	0.99855333	0.05377038	18.57069417	0.053848283	18.59759882	1.001448769
1.5180	0.99860660	0.05277180	18.92310957	0.052845437	18.94951386	1.001395347
1.5190	0.99865887	0.05177317	19.28911981	0.051842697	19.31502377	1.001342931
1.5200	0.99871014	0.05077448	19.66952782	0.050840061	19.69493145	1.001291522
1.5210	0.99876042	0.04977575	20.06520098	0.049837527	20.09010429	1.001241119
1.5220	0.99880970	0.04877696	20.47707780	0.048835093	20.50148081	1.001191723
1.5230	0.99885797	0.04777813	20.90617532	0.047832757	20.93007804	1.001143333
1.5240	0.99890525	0.04677925	21.35359752	0.046830516	21.37699996	1.001095948
1.5250	0.99895153	0.04578032	21.82054481	0.045828370	21.84344698	1.001049569
1.5260	0.99899681	0.04478135	22.30832477	0.044826315	22.33072668	1.001004195
1.5270	0.99904109	0.04378233	22.81836443	0.043824350	22.84026609	1.000959826
1.5280	0.99908438	0.04278326	23.35222417	0.042822473	23.37362560	1.000916462
1.5290	0.99912666	0.04178416	23.91161372	0.041820682	23.93251492	1.000874103
1.5300	0.99916795	0.04078501	24.49841044	0.040818975	24.51881144	1.000832748
1.5310	0.99920823	0.03978582	25.11468040	0.039817349	25.13458119	1.000792397
1.5320	0.99924752	0.03878660	25.76270266	0.038815803	25.78210325	1.000753050
1.5330	0.99928580	0.03778733	26.44499749	0.037814335	26.46389790	1.000714707
1.5340	0.99932309	0.03678802	27.16435914	0.036812943	27.18275938	1.000677367
1.5350	0.99935938	0.03578868	27.92389408	0.035811624	27.94179415	1.000641031
1.5360	0.99939467	0.03478931	28.72706589	0.034810377	28.74446581	1.000605698
1.5370	0.99942896	0.03378989	29.57774809	0.033809200	29.59464787	1.000571368
1.5380	0.99946225	0.03279045	30.48028663	0.032808090	30.49668627	1.000538041
1.5390	0.99949454	0.03179097	31.43957419	0.031807047	31.45547369	1.000505716
1.5400	0.99952583	0.03079146	32.46113891	0.030806066	32.47653829	1.000474394
1.5410	0.99955612	0.02979192	33.55125110	0.029805148	33.56615036	1.000444075
1.5420	0.99958541	0.02879235	34.71705202	0.028804289	34.73145118	1.000414758
1.5430	0.99961371	0.02779275	35.96671060	0.027803488	35.98060966	1.000386442
1.5440	0.99964100	0.02679312	37.30961518	0.026802742	37.32301414	1.000359129
1.5450	0.99966729	0.02579347	38.75660986	0.025802050	38.76950874	1.000332818
1.5460	0.99969259	0.02479379	40.32028805	0.024801410	40.33268685	1.000307508
1.5470	0.99971688	0.02379408	42.01536004	0.023800819	42.02725876	1.000283199
1.5480	0.99974017	0.02279435	43.85911725	0.022800276	43.87051591	1.000259893
1.5490	0.99976247	0.02179460	45.87202442	0.021799779	45.88292302	1.000237587

x	sin(x)	cos(x)	tan(x)	cot(x)	sec(x)	csc(x)
1.5500	0.99978376	0.02079483	48.07848248	0.020799325	48.08888102	1.000216283
1.5510	0.99980406	0.01979503	50.50782276	0.019798913	50.51772125	1.000195979
1.5520	0.99982335	0.01879522	53.19561853	0.018798541	53.20501697	1.000176677
1.5530	0.99984165	0.01779539	56.18543869	0.017798206	56.19433709	1.000158376
1.5540	0.99985895	0.01679554	59.53122796	0.016797906	59.53962632	1.000141075
1.5550	0.99987524	0.01579567	63.30059114	0.015797641	63.30848947	1.000124775
1.5560	0.99989054	0.01479579	67.57940911	0.014797407	67.58680741	1.000109476
1.5570	0.99990483	0.01379589	72.47846241	0.013797202	72.48536068	1.000095177
1.5580	0.99991813	0.01279598	78.14316041	0.012797025	78.14955866	1.000081879
1.5590	0.99993042	0.01179605	84.76821917	0.011796874	84.77411740	1.000069581
1.5600	0.99994172	0.01079612	92.62049632	0.010796746	92.62589453	1.000058283
1.5610	0.99995202	0.00979617	102.0758118	0.009796640	102.0807100	1.000047986
1.5620	0.99996131	0.00879621	113.6808842	0.008796554	113.6852824	1.000038689
1.5630	0.99996961	0.00779625	128.2629327	0.007796485	128.2668309	1.000030392
1.5640	0.99997691	0.00679627	147.1360388	0.006796431	147.1394370	1.000023095
1.5650	0.99998320	0.00579629	172.5211218	0.005796392	172.5240199	1.000016799
1.5660	0.99998850	0.00479631	208.4912840	0.004796364	208.4936821	1.000011502
1.5670	0.99999279	0.00379632	263.4112525	0.003796345	263.4131507	1.000007206
1.5680	0.99999609	0.00279632	357.6110615	0.002796334	357.6124597	1.000003910
1.5690	0.99999839	0.00179633	556.6909803	0.001796329	556.6918785	1.000001613
1.5700	0.99999968	0.00079633	1255.765592	0.000796327	1255.765990	1.000000317
π/2	1	0	∞	0	∞	1