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# Table of the Debye functions

Harrison, Don Edward

Monterey, California. Naval Postgraduate School

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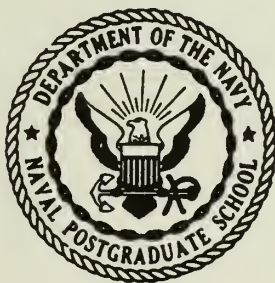
Don E. Harrison

TABLE OF THE DEBYE FUNCTIONS.

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# UNITED STATES NAVAL POSTGRADUATE SCHOOL



## TABLE OF THE DEBYE FUNCTIONS

by

Don E. Harrison, Jr.

and

John R. Neighbours

Department of Physics

RESEARCH REPORT NO. 49

December 1964

TABLE OF THE DEBYE FUNCTIONS

by

Don E. Harrison, Jr.  
"

and

John R. Neighbours

# TABLE OF DEBYE FUNCTIONS

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## Abstract

A seven place table of the Debye integral and the ratio  $\frac{C_v}{3R}$  has been calculated. For  $Z = \theta/T$  in the range  $1.0 < Z < 30.0$  the increment in  $Z$  is 0.01 and for the range  $30.0 < Z < 100$  the increment in  $Z$  is 0.1. The three point Simpson's rule integrations were performed on a CDC 1604 computer.

The values of the internal energy and specific heat of a Debye solid have been well tabulated by Beattie.<sup>1</sup> However in deriving equivalent Debye temperatures from specific heat data and in making computations involving the sum of several Debye spectra, it is convenient to have an extended table not only of the Debye specific heat but also other associated quantities. In addition, although it is true that above  $\theta/T = 24$  the  $T^3$  law holds to a high precision, it is more convenient to work with tabulated values rather than an analytic form which must be evaluated for each desired value. For these reasons we have prepared this table for general distribution.

The Debye integral

$$I(Z) = \int_0^Z \frac{x^3 dx}{e^x - 1},$$

where  $Z = \theta/T$ , with  $\theta$  the Debye temperature and  $T$  the absolute temperature, was evaluated for  $1.0 \leq Z < 100.0$  by a 3-point Simpson's Rule with a  $\Delta x = 1.0 \times 10^{-4}$ . The value at  $Z = 1.0$  was taken from Beattie.<sup>1</sup> Because this value was available to only six significant figures, the tabulated values may be uniformly in error by  $\pm 0.5 \times 10^{-8}$ . The actual calculations were performed to 10 significant figures, and rounded to the values appearing in the table. When this technique is used, the error introduced in any increment to the integration is of the order of  $(\Delta x)^5$ . The calculation was performed with  $\sim 10^6$  increments; so the integration method should be considerably more accurate than the actual calculations which are ultimately limited by the computer word length.

The program was run twice and compared to minimize the possibility of a computer initiated computational error.

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<sup>1</sup>James A. Beattie, Journ.Math.&Phys., 6, 1 (1926)

The column headings are, respectively:  
 THETA/T which is just Z, 1/Z, its reciprocal,  $1/Z^{**3}$  is  $Z^{-3}$ ,  
 INTEGRAL is the actual value of I(Z), C/3R is the I(Z) value  
 appropriately scaled to become  $C_v/3R$ , and DEL(C/3R) are first  
 differences in the C/3R column.

In the limit of  $Z \rightarrow \infty$  the value of the integral is  $\frac{4\pi^4}{15}$   
 which is closely approached for  $Z > 30$ .



# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
1.000	1.0000000	1.0000000	.3172440	.9517320	C
1.010	.9900990	.9705901	.3265366	.9507995	.0009325
1.020	.9803922	.9423223	.3359993	.9498589	.0009406
1.030	.9708738	.9151417	.3456333	.9489102	.0009487
1.040	.9615385	.8889964	.3554396	.9479534	.0009568
1.050	.9523810	.8638376	.3654193	.9469887	.0009648
1.060	.9433962	.8396193	.3755734	.9460159	.0009727
1.070	.9345794	.8162979	.3859029	.9450353	.0009807
1.080	.9259259	.7938322	.3964090	.9440467	.0009885
1.090	.9174312	.7721835	.4070925	.9430503	.0009964
1.100	.9090909	.7513148	.4179545	.9420462	.0010042
1.110	.9009009	.7311914	.4289959	.9410343	.0010119
1.120	.8928571	.7117802	.4402177	.9400147	.0010196
1.130	.8849557	.6930502	.4516207	.9389874	.0010272
1.140	.8771930	.6749715	.4632060	.9379526	.0010349
1.150	.8695652	.6575162	.4749744	.9369102	.0010424
1.160	.8620690	.6406577	.4869268	.9358602	.0010499
1.170	.8547008	.6243705	.4990641	.9348028	.0010574
1.180	.8474576	.6086309	.5113871	.9337380	.0010648
1.190	.8403361	.5934158	.5238967	.9326658	.0010722
1.200	.8333333	.5787037	.5365937	.9315862	.0010796
1.210	.8264463	.5644739	.5494788	.9304993	.0010869
1.220	.8196721	.5507069	.5625529	.9294052	.0010941
1.230	.8130081	.5373839	.5758167	.9283039	.0011013
1.240	.8064516	.5244872	.5892710	.9271954	.0011085
1.250	.8000000	.5120000	.6029165	.9260798	.0011156
1.260	.7936508	.4999060	.6167540	.9249571	.0011227
1.270	.7874016	.4881899	.6307841	.9238273	.0011297
1.280	.7812500	.4768371	.6450075	.9226906	.0011367
1.290	.7751938	.4658336	.6594250	.9215470	.0011436
1.300	.7692308	.4551661	.6740370	.9203964	.0011505
1.310	.7633588	.4448218	.6888444	.9192391	.0011574
1.320	.7575757	.4347886	.7038476	.9180748	.0011642
1.330	.7518797	.4250549	.7190474	.9169039	.0011710
1.340	.7462686	.4156096	.7344442	.9157262	.0011777
1.350	.7407407	.4064421	.7500387	.9145418	.0011844
1.360	.7352941	.3975422	.7658313	.9133509	.0011910
1.370	.7299270	.3889003	.7818227	.9121533	.0011976
1.380	.7246377	.3805071	.7980134	.9109492	.0012041
1.390	.7194245	.3723536	.8144038	.9097386	.0012106
1.400	.7142857	.3644315	.8309944	.9085216	.0012170
1.410	.7092198	.3567325	.8477858	.9072981	.0012234
1.420	.7042253	.3492488	.8647782	.9060683	.0012298
1.430	.6993007	.3419730	.8819723	.9048322	.0012361
1.440	.6944444	.3348980	.8993684	.9035899	.0012424
1.450	.6896552	.3280167	.9169668	.9023413	.0012486
1.460	.6849315	.3213227	.9347680	.9010866	.0012548
1.470	.6802721	.3148096	.9527724	.8998257	.0012609
1.480	.6756757	.3084713	.9709802	.8985587	.0012670
1.490	.6711409	.3023021	.9893919	.8972857	.0012730

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	FEL(C/3R)
1.500	.6666667	.2962963	1.0080077	.8960068	.0012790
1.510	.6622516	.2904485	1.0268279	.8947218	.0012849
1.520	.6578947	.2847536	1.0458528	.8934310	.0012908
1.530	.6535948	.2792066	1.0650827	.8921344	.0012967
1.540	.6493506	.2738028	1.0845178	.8908319	.0013025
1.550	.6451613	.2685375	1.1041584	.8895237	.0013082
1.560	.6410256	.2634063	1.1240047	.8882098	.0013139
1.570	.6369427	.2584051	1.1440568	.8868902	.0013196
1.580	.6329114	.2535296	1.1643149	.8855650	.0013252
1.590	.6289308	.2487761	1.1847793	.8842342	.0013308
1.600	.6250000	.2441406	1.2054500	.8828979	.0013363
1.610	.6211180	.2396196	1.2263272	.8815561	.0013418
1.620	.6172839	.2352095	1.2474111	.8802090	.0013472
1.630	.6134969	.2309070	1.2687016	.8788564	.0013526
1.640	.6097561	.2267088	1.2901989	.8774985	.0013579
1.650	.6060606	.2226118	1.3119031	.8761353	.0013632
1.660	.6024096	.2186129	1.3338142	.8747668	.0013684
1.670	.5988024	.2147092	1.3559322	.8733932	.0013736
1.680	.5952381	.2108978	1.3782572	.8720144	.0013788
1.690	.5917160	.2071762	1.4007891	.8706305	.0013839
1.700	.5882353	.2035416	1.4235280	.8692416	.0013889
1.710	.5847953	.1999915	1.4464738	.8678476	.0013939
1.720	.5813953	.1965236	1.4696265	.8664487	.0013989
1.730	.5780347	.1931353	1.4929860	.8650449	.0014038
1.740	.5747126	.1898245	1.5165522	.8636362	.0014087
1.750	.5714286	.1865889	1.5403250	.8622227	.0014135
1.760	.5681818	.1834265	1.5643044	.8608044	.0014183
1.770	.5649717	.1803351	1.5884902	.8593814	.0014230
1.780	.5617977	.1773128	1.6128823	.8579538	.0014277
1.790	.5586592	.1743576	1.6374805	.8565215	.0014323
1.800	.5555555	.1714678	1.6622846	.8550846	.0014369
1.810	.5524862	.1686414	1.6872944	.8536432	.0014414
1.820	.5494505	.1658769	1.7125099	.8521973	.0014459
1.830	.5464481	.1631724	1.7379206	.8507469	.0014503
1.840	.5434782	.1605264	1.7635565	.8492922	.0014547
1.850	.5405405	.1579373	1.7893873	.8478331	.0014591
1.860	.5376344	.1554036	1.8154226	.8463698	.0014634
1.870	.5347593	.1529238	1.8416623	.8449021	.0014676
1.880	.5319149	.1504965	1.8681060	.8434303	.0014718
1.890	.5291005	.1481203	1.8947534	.8419543	.0014760
1.900	.5263158	.1457938	1.9216043	.8404742	.0014801
1.910	.5235602	.1435159	1.9486582	.8389900	.0014842
1.920	.5208333	.1412851	1.9759149	.8375018	.0014882
1.930	.5181347	.1391003	2.0033739	.8360097	.0014922
1.940	.5154639	.1369603	2.0310349	.8345136	.0014961
1.950	.5128205	.1348640	2.0588975	.8330136	.0015000
1.960	.5102041	.1328103	2.0869613	.8315099	.0015038
1.970	.5076142	.1307981	2.1152259	.8300023	.0015076
1.980	.5050505	.1288263	2.1436908	.8284910	.0015113
1.990	.5025126	.1268939	2.1723556	.8269760	.0015150



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
2.000	.50000000	.12500000	2.2012198	.8254574	.0015186
2.010	.4975124	.1231436	2.2302830	.8239351	.0015222
2.020	.4950495	.1213238	2.2595447	.8224094	.0015258
2.030	.4926108	.1195396	2.2890043	.8208801	.0015293
2.040	.4901961	.1177903	2.3186614	.8193473	.0015327
2.050	.4878049	.1160749	2.3485154	.8178112	.0015361
2.060	.4854369	.1143927	2.3785658	.8162717	.0015395
2.070	.4830918	.1127428	2.4088120	.8147289	.0015428
2.080	.4807692	.1111245	2.4392535	.8131828	.0015461
2.090	.4784689	.1095371	2.4698897	.8116334	.0015493
2.100	.4761905	.1079797	2.5007200	.8100809	.0015525
2.110	.4739336	.1064517	2.5317437	.8085253	.0015556
2.120	.4716981	.1049524	2.5629604	.8069665	.0015587
2.130	.4694836	.1034811	2.5943693	.8054048	.0015618
2.140	.4672897	.1020372	2.6259697	.8038400	.0015648
2.150	.4651163	.1006201	2.6577612	.8022723	.0015677
2.160	.4629630	.0992290	2.6897429	.8007017	.0015706
2.170	.4608295	.0978635	2.7219142	.7991282	.0015735
2.180	.4587156	.0965229	2.7542744	.7975519	.0015763
2.190	.4566210	.0952067	2.7868229	.7959728	.0015791
2.200	.4545454	.0939143	2.8195588	.7943910	.0015818
2.210	.4524887	.0926452	2.8524815	.7928066	.0015845
2.220	.4504504	.0913989	2.8855902	.7912195	.0015871
2.230	.4484305	.0901748	2.9188843	.7896298	.0015897
2.240	.4464286	.0889725	2.9523629	.7880375	.0015922
2.250	.4444444	.0877915	2.9860252	.7864428	.0015947
2.260	.4424779	.0866313	3.0198705	.7848456	.0015972
2.270	.4405286	.0854914	3.0538980	.7832460	.0015996
2.280	.4385965	.0843714	3.0881069	.7816440	.0016020
2.290	.4366812	.0832709	3.1224964	.7800397	.0016043
2.300	.4347826	.0821895	3.1570656	.7784331	.0016066
2.310	.4329004	.0811267	3.1918137	.7768243	.0016088
2.320	.4310345	.0800822	3.2267400	.7752133	.0016110
2.330	.4291845	.0790555	3.2618434	.7736002	.0016131
2.340	.4273504	.0780463	3.2971232	.7719849	.0016153
2.350	.4255319	.0770542	3.3325785	.7703676	.0016173
2.360	.4237288	.0760789	3.3682084	.7687483	.0016193
2.370	.4219409	.0751199	3.4040120	.7671270	.0016213
2.380	.4201681	.0741770	3.4399884	.7655038	.0016232
2.390	.4184100	.0732498	3.4761367	.7638786	.0016251
2.400	.4166667	.0723380	3.5124560	.7622517	.0016270
2.410	.4149377	.0714412	3.5489453	.7606229	.0016288
2.420	.4132231	.0705592	3.5856037	.7589924	.0016305
2.430	.4115226	.0696917	3.6224303	.7573601	.0016322
2.440	.4098361	.0688384	3.6594241	.7557262	.0016339
2.450	.4081633	.0679989	3.6965841	.7540906	.0016356
2.460	.4065041	.0671730	3.7339094	.7524535	.0016371
2.470	.4048583	.0663604	3.7713989	.7508148	.0016387
2.480	.4032258	.0655560	3.8090517	.7491746	.0016402
2.490	.4016064	.0647742	3.8468668	.7475329	.0016417

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
2.500	.4000000	.0640000	3.8848432	.7458898	.0016431
2.510	.3984064	.0632381	3.9225799	.7442454	.0016445
2.520	.3968254	.0624882	3.9612758	.7425995	.0016458
2.530	.3952569	.0617502	3.9997299	.7409524	.0016471
2.540	.3937008	.0610237	4.0383412	.7393040	.0016484
2.550	.3921569	.0603086	4.0771086	.7376544	.0016496
2.560	.3906250	.0596046	4.1160311	.7360036	.0016508
2.570	.3891050	.0589116	4.1551076	.7343517	.0016519
2.580	.3875969	.0582292	4.1943370	.7326987	.0016530
2.590	.3861004	.0575573	4.2337183	.7310446	.0016541
2.600	.3846154	.0568958	4.2732504	.7293895	.0016551
2.610	.3831418	.0562443	4.3129322	.7277334	.0016561
2.620	.3816794	.0556027	4.3527626	.7260764	.0016570
2.630	.3802281	.0549709	4.3927405	.7244185	.0016579
2.640	.3787879	.0543486	4.4328648	.7227597	.0016588
2.650	.3773585	.0537356	4.4731344	.7211001	.0016596
2.660	.3759398	.0531319	4.5135482	.7194397	.0016604
2.670	.3745318	.0525371	4.5541050	.7177785	.0016611
2.680	.3731343	.0519512	4.5948037	.7161167	.0016619
2.690	.3717472	.0513740	4.6356432	.7144542	.0016625
2.700	.3703704	.0508053	4.6766223	.7127910	.0016632
2.710	.3690037	.0502449	4.7177399	.7111273	.0016637
2.720	.3676470	.0496928	4.7589948	.7094630	.0016643
2.730	.3663004	.0491487	4.8003859	.7077982	.0016648
2.740	.3649635	.0486125	4.8419120	.7061329	.0016653
2.750	.3636364	.0480841	4.8835720	.7044671	.0016657
2.760	.3623188	.0475634	4.9253646	.7028010	.0016662
2.770	.3610108	.0470501	4.9672886	.7011344	.0016665
2.780	.3597122	.0465442	5.0093430	.6994676	.0016669
2.790	.3584229	.0460455	5.0515265	.6978004	.0016672
2.800	.3571428	.0455539	5.0938379	.6961330	.0016674
2.810	.3558719	.0450693	5.1362760	.6944654	.0016676
2.820	.3546099	.0445916	5.1788397	.6927976	.0016678
2.830	.3533569	.0441205	5.2215277	.6911296	.0016680
2.840	.3521127	.0436561	5.2643387	.6894615	.0016681
2.850	.3508772	.0431982	5.3072717	.6877933	.0016682
2.860	.3496503	.0427466	5.3503254	.6861251	.0016682
2.870	.3484320	.0423014	5.3934985	.6844569	.0016682
2.880	.3472222	.0418622	5.4367898	.6827887	.0016682
2.890	.3460208	.0414292	5.4801982	.6811205	.0016682
2.900	.3448276	.0410021	5.5237223	.6794524	.0016681
2.910	.3436426	.0405808	5.5673610	.6777845	.0016679
2.920	.3424657	.0401653	5.6111130	.6761167	.0016678
2.930	.3412969	.0397555	5.6549771	.6744491	.0016676
2.940	.3401360	.0393512	5.6989520	.6727818	.0016674
2.950	.3389830	.0389524	5.7430364	.6711147	.0016671
2.960	.3378378	.0385589	5.7872293	.6694479	.0016668
2.970	.3367003	.0381707	5.8315292	.6677814	.0016665
2.980	.3355570	.0377878	5.8759349	.6661153	.0016661
2.990	.3344481	.0374099	5.9204452	.6644496	.0016657



# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL (C/3R)
3.000	.3333333	.0370370	5.9650589	.6627843	.0016653
3.010	.3322259	.0366691	6.0097746	.6611194	.0016648
3.020	.3311258	.0363061	6.0545911	.6594551	.0016644
3.030	.3300330	.0359478	6.0995072	.6577912	.0016638
3.040	.3289474	.0355942	6.1445216	.6561279	.0016633
3.050	.3278688	.0352452	6.1896329	.6544652	.0016627
3.060	.3267974	.0349008	6.2348401	.6528032	.0016621
3.070	.3257329	.0345609	6.2801417	.6511417	.0016614
3.080	.3246753	.0342253	6.3255365	.6494810	.0016608
3.090	.3236246	.0338941	6.3710232	.6478209	.0016601
3.100	.3225806	.0335672	6.4166007	.6461616	.0016593
3.110	.3215434	.0332444	6.4622675	.6445031	.0016585
3.120	.3205128	.0329258	6.5080225	.6428453	.0016577
3.130	.3194888	.0326112	6.5538643	.6411884	.0016569
3.140	.3184713	.0323006	6.5997916	.6395323	.0016561
3.150	.3174603	.0319940	6.6458033	.6378771	.0016552
3.160	.3164557	.0316912	6.6918980	.6362229	.0016543
3.170	.3154574	.0313922	6.7380745	.6345696	.0016533
3.180	.3144654	.0310970	6.7843314	.6329172	.0016523
3.190	.3134796	.0308055	6.8306675	.6312659	.0016513
3.200	.3125000	.0305176	6.8770816	.6296156	.0016503
3.210	.3115265	.0302333	6.9235722	.6279663	.0016493
3.220	.3105590	.0299524	6.9701383	.6263181	.0016482
3.230	.3095975	.0296751	7.0167784	.6246711	.0016471
3.240	.3086420	.0294012	7.0634914	.6230252	.0016459
3.250	.3076923	.0291306	7.1102759	.6213804	.0016447
3.260	.3067485	.0288634	7.1571306	.6197369	.0016435
3.270	.3058104	.0285994	7.2040544	.6180946	.0016423
3.280	.3048780	.0283386	7.2510458	.6164535	.0016411
3.290	.3039514	.0280810	7.2981038	.6148137	.0016398
3.300	.3030303	.0278265	7.3452268	.6131752	.0016385
3.310	.3021148	.0275750	7.3924138	.6115381	.0016372
3.320	.3012048	.0273266	7.4396634	.6099023	.0016358
3.330	.3003003	.0270812	7.4869744	.6082678	.0016344
3.340	.2994012	.0268386	7.5343455	.6066348	.0016330
3.350	.2985075	.0265990	7.5817753	.6050032	.0016316
3.360	.2976190	.0263622	7.6292628	.6033731	.0016301
3.370	.2967359	.0261282	7.6768066	.6017445	.0016286
3.380	.2958580	.0258970	7.7244054	.6001173	.0016271
3.390	.2949852	.0256685	7.7720579	.5984917	.0016256
3.400	.2941176	.0254427	7.8197630	.5968677	.0016241
3.410	.2932551	.0252195	7.8675194	.5952452	.0016225
3.420	.2923977	.0249989	7.9153257	.5936243	.0016209
3.430	.2915452	.0247809	7.9631809	.5920051	.0016192
3.440	.2906977	.0245654	8.0110835	.5903875	.0016176
3.450	.2898551	.0243525	8.0590324	.5887716	.0016159
3.460	.2890173	.0241419	8.1070263	.5871573	.0016142
3.470	.2881844	.0239338	8.1550640	.5855448	.0016125
3.480	.2873563	.0237281	8.2031442	.5839341	.0016108
3.490	.2865329	.0235247	8.2512656	.5823251	.0016090

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
3.500	.2857143	.0233236	8.2994272	.5807179	.0016072
3.510	.2849003	.0231248	8.3476275	.5791125	.0016054
3.520	.2840909	.0229283	8.3958654	.5775089	.0016036
3.530	.2832861	.0227340	8.4441397	.5759072	.0016017
3.540	.2824859	.0225419	8.4924492	.5743074	.0015998
3.550	.2816901	.0223519	8.5407925	.5727094	.0015979
3.560	.2808989	.0221641	8.5891685	.5711134	.0015960
3.570	.2801120	.0219784	8.6375760	.5695193	.0015941
3.580	.2793296	.0217947	8.6860138	.5679272	.0015921
3.590	.2785515	.0216131	8.7344806	.5663370	.0015902
3.600	.2777778	.0214335	8.7829752	.5647489	.0015882
3.610	.2770083	.0212558	8.8314965	.5631627	.0015861
3.620	.2762431	.0210802	8.8800432	.5615786	.0015841
3.630	.2754821	.0209064	8.9286142	.5599966	.0015820
3.640	.2747253	.0207346	8.9772082	.5584166	.0015800
3.650	.2739726	.0205647	9.0258240	.5568388	.0015779
3.660	.2732240	.0203965	9.0744605	.5552630	.0015757
3.670	.2724796	.0202303	9.1231166	.5536894	.0015736
3.680	.2717391	.0200658	9.1717909	.5521180	.0015715
3.690	.2710027	.0199031	9.2204823	.5505487	.0015693
3.700	.2702703	.0197422	9.2691897	.5489816	.0015671
3.710	.2695418	.0195830	9.3179119	.5474168	.0015649
3.720	.2688172	.0194255	9.3666478	.5458541	.0015626
3.730	.2680965	.0192696	9.4153961	.5442937	.0015604
3.740	.2673797	.0191155	9.4641557	.5427356	.0015581
3.750	.2666667	.0189630	9.5129254	.5411797	.0015559
3.760	.2659574	.0188121	9.5617042	.5396261	.0015536
3.770	.2652520	.0186628	9.6104909	.5380749	.0015512
3.780	.2645503	.0185150	9.6592843	.5365260	.0015489
3.790	.2638522	.0183689	9.7080833	.5349794	.0015466
3.800	.2631579	.0182242	9.7568868	.5334352	.0015442
3.810	.2624672	.0180811	9.8056936	.5318934	.0015418
3.820	.2617801	.0179395	9.8545026	.5303540	.0015394
3.830	.2610966	.0177993	9.9033127	.5288170	.0015370
3.840	.2604167	.0176606	9.9521229	.5272824	.0015346
3.850	.2597403	.0175234	10.0009319	.5257503	.0015321
3.860	.2590673	.0173875	10.0497387	.5242206	.0015297
3.870	.2583979	.0172531	10.0985422	.5226934	.0015272
3.880	.2577319	.0171200	10.1473413	.5211687	.0015247
3.890	.2570694	.0169883	10.1961349	.5196465	.0015222
3.900	.2564102	.0168580	10.2449219	.5181268	.0015197
3.910	.2557545	.0167290	10.2937012	.5166096	.0015172
3.920	.2551020	.0166013	10.3424719	.5150950	.0015146
3.930	.2544529	.0164749	10.3912327	.5135830	.0015120
3.940	.2538071	.0163498	10.4399827	.5120735	.0015095
3.950	.2531645	.0162259	10.4887207	.5105667	.0015069
3.960	.2525252	.0161033	10.5374458	.5090624	.0015043
3.970	.2518892	.0159819	10.5861569	.5075607	.0015017
3.980	.2512563	.0158617	10.6348529	.5060617	.0014990
3.990	.2506266	.0157428	10.6835328	.5045653	.0014964



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
4.000	.2500000	.0156250	10.7321955	.5030716	.0014937
4.010	.2493766	.0155084	10.7808401	.5015806	.0014910
4.020	.2487562	.0153929	10.8294655	.5000922	.0014884
4.030	.2481390	.0152786	10.8780708	.4986065	.0014857
4.040	.2475247	.0151655	10.9266548	.4971236	.0014830
4.050	.2469136	.0150534	10.9752165	.4956433	.0014802
4.060	.2463054	.0149425	11.0237551	.4941658	.0014775
4.070	.2457002	.0148326	11.0722695	.4926910	.0014748
4.080	.2450980	.0147238	11.1207586	.4912190	.0014720
4.090	.2444988	.0146161	11.1692216	.4897497	.0014693
4.100	.2439024	.0145094	11.2176574	.4882833	.0014665
4.110	.2433090	.0144037	11.2660651	.4868196	.0014637
4.120	.2427184	.0142991	11.3144436	.4853587	.0014609
4.130	.2421307	.0141955	11.3627921	.4839006	.0014581
4.140	.2415459	.0140929	11.4111096	.4824453	.0014553
4.150	.2409639	.0139912	11.4593951	.4809929	.0014524
4.160	.2403846	.0138906	11.5076477	.4795433	.0014496
4.170	.2398082	.0137909	11.5558665	.4780965	.0014467
4.180	.2392344	.0136921	11.6040504	.4766526	.0014439
4.190	.2386635	.0135943	11.6521987	.4752116	.0014410
4.200	.2380952	.0134975	11.7003103	.4737735	.0014381
4.210	.2375297	.0134015	11.7483843	.4723382	.0014352
4.220	.2369668	.0133065	11.7964199	.4709059	.0014324
4.230	.2364066	.0132123	11.8444162	.4694764	.0014294
4.240	.2358491	.0131191	11.8923721	.4680499	.0014265
4.250	.2352941	.0130267	11.9402869	.4666263	.0014236
4.260	.2347418	.0129351	11.9881597	.4652056	.0014207
4.270	.2341920	.0128445	12.0359896	.4637879	.0014177
4.280	.2336449	.0127547	12.0837756	.4623731	.0014148
4.290	.2331002	.0126657	12.1315170	.4609613	.0014118
4.300	.2325581	.0125775	12.1792129	.4595525	.0014088
4.310	.2320186	.0124902	12.2268624	.4581466	.0014059
4.320	.2314815	.0124036	12.2744647	.4567437	.0014029
4.330	.2309469	.0123179	12.3220189	.4553438	.0013999
4.340	.2304147	.0122329	12.3695241	.4539469	.0013969
4.350	.2298851	.0121488	12.4169797	.4525530	.0013939
4.360	.2293578	.0120654	12.4643846	.4511621	.0013909
4.370	.2288330	.0119827	12.5117382	.4497743	.0013879
4.380	.2283105	.0119008	12.5590396	.4483894	.0013848
4.390	.2277904	.0118197	12.6062879	.4470076	.0013818
4.400	.2272727	.0117393	12.6534825	.4456289	.0013788
4.410	.2267574	.0116596	12.7006224	.4442531	.0013757
4.420	.2262443	.0115807	12.7477069	.4428805	.0013727
4.430	.2257336	.0115024	12.7947353	.4415109	.0013696
4.440	.2252252	.0114249	12.8417066	.4401443	.0013665
4.450	.2247191	.0113480	12.8886203	.4387809	.0013635
4.460	.2242153	.0112719	12.9354754	.4374205	.0013604
4.470	.2237137	.0111964	12.9822713	.4360632	.0013573
4.480	.2232143	.0111216	13.0290072	.4347089	.0013542
4.490	.2227172	.0110474	13.0756824	.4333578	.0013511

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
4.500	.2222222	.0109739	13.1222960	.4322098	.0013480
4.510	.2217295	.0109011	13.1688474	.4306649	.0013449
4.520	.2212389	.0108289	13.2153359	.4293230	.0013418
4.530	.2207506	.0107574	13.2617607	.4279843	.0013387
4.540	.2202643	.0106864	13.3081210	.4266488	.0013356
4.550	.2197802	.0106161	13.3544163	.4253163	.0013325
4.560	.2192983	.0105464	13.4006458	.4239870	.0013293
4.570	.2188184	.0104773	13.4468087	.4226608	.0013262
4.580	.2183406	.0104089	13.4929045	.4213377	.0013231
4.590	.2178649	.0103410	13.5389324	.4200178	.0013199
4.600	.2173913	.0102737	13.5848917	.4187010	.0013168
4.610	.2169197	.0102070	13.6307818	.4173874	.0013136
4.620	.2164502	.0101408	13.6766020	.4160769	.0013105
4.630	.2159827	.0100753	13.7223516	.4147696	.0013073
4.640	.2155173	.0100103	13.7680300	.4134654	.0013042
4.650	.2150538	.0099458	13.8136366	.4121644	.0013010
4.660	.2145923	.0098819	13.8591706	.4108666	.0012978
4.670	.2141328	.0098186	13.9046316	.4095719	.0012947
4.680	.2136752	.0097558	13.9500187	.4082804	.0012915
4.690	.2132196	.0096935	13.9953315	.4069921	.0012883
4.700	.2127660	.0096318	14.0405692	.4057070	.0012851
4.710	.2123142	.0095706	14.0857313	.4044250	.0012820
4.720	.2118644	.0095099	14.1308172	.4031462	.0012788
4.730	.2114165	.0094497	14.1758263	.4018706	.0012756
4.740	.2109705	.0093900	14.2207579	.4005982	.0012724
4.750	.2105263	.0093308	14.2656116	.3993290	.0012692
4.760	.2100840	.0092721	14.3103866	.3980630	.0012660
4.770	.2096436	.0092139	14.3550825	.3968002	.0012628
4.780	.2092050	.0091562	14.3996987	.3955406	.0012596
4.790	.2087683	.0090990	14.4442346	.3942842	.0012564
4.800	.2083333	.0090422	14.4886896	.3930309	.0012532
4.810	.2079002	.0089860	14.5330632	.3917809	.0012500
4.820	.2074689	.0089302	14.5773549	.3905341	.0012468
4.830	.2070394	.0088748	14.6215641	.3892905	.0012436
4.840	.2066116	.0088199	14.6656903	.3880501	.0012404
4.850	.2061856	.0087655	14.7097330	.3868129	.0012372
4.860	.2057613	.0087115	14.7536916	.3855789	.0012340
4.870	.2053388	.0086579	14.7975656	.3843481	.0012308
4.880	.2049180	.0086048	14.8413545	.3831205	.0012276
4.890	.2044990	.0085521	14.8850578	.3818962	.0012244
4.900	.2040816	.0084999	14.9286751	.3806750	.0012211
4.910	.2036660	.0084480	14.9722057	.3794571	.0012179
4.920	.2032520	.0083966	15.0156493	.3782424	.0012147
4.930	.2028398	.0083456	15.0590054	.3770308	.0012115
4.940	.2024292	.0082951	15.1022735	.3758225	.0012083
4.950	.2020202	.0082449	15.1454531	.3746175	.0012051
4.960	.2016129	.0081951	15.1885437	.3734156	.0012019
4.970	.2012073	.0081457	15.2315449	.3722169	.0011987
4.980	.2008032	.0080968	15.2744563	.3710215	.0011954
4.990	.2004008	.0080482	15.3172774	.3698293	.0011922



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
5.000	.2000000	.0080000	15.3600078	.3686403	.0011890
5.010	.1996008	.0079522	15.4026470	.3674545	.0011858
5.020	.1992032	.0079048	15.4451946	.3662719	.0011826
5.030	.1988072	.0078577	15.4876502	.3650925	.0011794
5.040	.1984127	.0078110	15.5300133	.3639164	.0011762
5.050	.1980198	.0077647	15.5722837	.3627434	.0011729
5.060	.1976285	.0077188	15.6144607	.3615737	.0011697
5.070	.1972387	.0076732	15.6565442	.3604071	.0011665
5.080	.1968504	.0076280	15.6985336	.3592438	.0011633
5.090	.1964637	.0075831	15.7404286	.3580837	.0011601
5.100	.1960784	.0075386	15.7822288	.3569268	.0011569
5.110	.1956947	.0074944	15.8239338	.3557731	.0011537
5.120	.1953125	.0074506	15.8655432	.3546226	.0011505
5.130	.1949318	.0074071	15.9070567	.3534753	.0011473
5.140	.1945525	.0073639	15.9484740	.3523312	.0011441
5.150	.1941748	.0073211	15.9897946	.3511903	.0011409
5.160	.1937985	.0072787	16.0310183	.3500527	.0011377
5.170	.1934236	.0072365	16.0721446	.3489182	.0011345
5.180	.1930502	.0071947	16.1131732	.3477869	.0011313
5.190	.1926782	.0071532	16.1541039	.3466588	.0011281
5.200	.1923077	.0071120	16.1949363	.3455338	.0011249
5.210	.1919386	.0070711	16.2356700	.3444121	.0011217
5.220	.1915709	.0070305	16.2763047	.3432936	.0011185
5.230	.1912046	.0069903	16.3168402	.3421782	.0011154
5.240	.1908397	.0069503	16.3572761	.3410661	.0011122
5.250	.1904762	.0069107	16.3976121	.3400571	.0011090
5.260	.1901141	.0068714	16.4378480	.3390513	.0011058
5.270	.1897533	.0068323	16.4779833	.3380486	.0011026
5.280	.1893940	.0067936	16.5180180	.3370492	.0010995
5.290	.1890359	.0067551	16.5579516	.3360529	.0010963
5.300	.1886793	.0067170	16.5977839	.3350598	.0010931
5.310	.1883239	.0066791	16.6375146	.3340698	.0010900
5.320	.1879699	.0066415	16.6771435	.3330830	.0010868
5.330	.1876173	.0066042	16.7166703	.3320994	.0010836
5.340	.1872659	.0065671	16.7560948	.3311189	.0010805
5.350	.1869159	.0065304	16.7954167	.3301416	.0010773
5.360	.1865672	.0064939	16.8346357	.3291675	.0010742
5.370	.1862198	.0064577	16.8737516	.3281964	.0010710
5.380	.1858736	.0064217	16.9127642	.3272286	.0010679
5.390	.1855288	.0063861	16.9516733	.3262638	.0010647
5.400	.1851852	.0063507	16.9904786	.3253023	.0010616
5.410	.1848429	.0063155	17.0291799	.3243438	.0010584
5.420	.1845019	.0062806	17.0677770	.3233885	.0010553
5.430	.1841621	.0062460	17.1062696	.3224363	.0010522
5.440	.1838236	.0062116	17.1446577	.3214872	.0010491
5.450	.1834863	.0061775	17.1829409	.3205413	.0010459
5.460	.1831502	.0061436	17.2211192	.3195985	.0010428
5.470	.1828154	.0061100	17.2591922	.3186588	.0010397
5.480	.1824818	.0060766	17.2971598	.3177222	.0010366
5.490	.1821494	.0060434	17.3350218	.3167887	.0010335

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
5.500	.1818182	.0060105	17.3727781	.3132583	.0010304
5.510	.1814882	.0059779	17.4104285	.3122310	.0010273
5.520	.1811594	.0059454	17.4479728	.3112069	.0010242
5.530	.1808318	.0059132	17.4854108	.3101858	.0010211
5.540	.1805054	.0058813	17.5227424	.3091678	.0010180
5.550	.1801802	.0058495	17.5599675	.3081528	.0010149
5.560	.1798561	.0058180	17.5970858	.3071410	.0010118
5.570	.1795332	.0057867	17.6340973	.3061322	.0010088
5.580	.1792115	.0057557	17.6710017	.3051265	.0010057
5.590	.1788909	.0057249	17.7077990	.3041239	.0010026
5.600	.1785715	.0056942	17.7444891	.3031244	.0009996
5.610	.1782531	.0056638	17.7810717	.3021279	.0009965
5.620	.1779360	.0056337	17.8175469	.3011344	.0009934
5.630	.1776199	.0056037	17.8539144	.3001440	.0009904
5.640	.1773050	.0055739	17.8901741	.2991567	.0009874
5.650	.1769912	.0055444	17.9263260	.2981724	.0009843
5.660	.1766785	.0055151	17.9623699	.2971911	.0009813
5.670	.1763669	.0054859	17.9983057	.2962128	.0009782
5.680	.1760564	.0054570	18.0341334	.2952376	.0009752
5.690	.1757469	.0054283	18.0698528	.2942654	.0009722
5.700	.1754386	.0053998	18.1054639	.2932963	.0009692
5.710	.1751314	.0053715	18.1409665	.2923301	.0009662
5.720	.1748252	.0053433	18.1763606	.2913669	.0009632
5.730	.1745201	.0053154	18.2116461	.2904068	.0009601
5.740	.1742161	.0052877	18.2468229	.2894496	.0009572
5.750	.1739131	.0052601	18.2818910	.2884955	.0009542
5.760	.1736111	.0052328	18.3168503	.2875443	.0009512
5.770	.1733102	.0052056	18.3517008	.2865961	.0009482
5.780	.1730104	.0051787	18.3864423	.2856509	.0009452
5.790	.1727116	.0051519	18.4210748	.2847087	.0009422
5.800	.1724138	.0051253	18.4555984	.2837694	.0009393
5.810	.1721171	.0050988	18.4900128	.2828331	.0009363
5.820	.1718213	.0050726	18.5243182	.2818998	.0009333
5.830	.1715266	.0050465	18.5585144	.2809694	.0009304
5.840	.1712329	.0050207	18.5926014	.2800419	.0009274
5.850	.1709402	.0049950	18.6265792	.2791174	.0009245
5.860	.1706485	.0049694	18.6604477	.2781959	.0009216
5.870	.1703578	.0049441	18.6942070	.2772772	.0009186
5.880	.1700681	.0049189	18.7278570	.2763615	.0009157
5.890	.1697793	.0048939	18.7613977	.2754487	.0009128
5.900	.1694916	.0048690	18.7948291	.2745388	.0009099
5.910	.1692048	.0048444	18.8281512	.2736319	.0009070
5.920	.1689189	.0048199	18.8613640	.2727278	.0009041
5.930	.1686341	.0047955	18.8944674	.2718266	.0009012
5.940	.1683502	.0047713	18.9274615	.2709284	.0008983
5.950	.1680673	.0047473	18.9603463	.2700330	.0008954
5.960	.1677853	.0047235	18.9931218	.2691405	.0008925
5.970	.1675042	.0046998	19.0257879	.2682509	.0008896
5.980	.1672241	.0046762	19.0583448	.2673641	.0008868
5.990	.1669449	.0046529	19.0907925	.2664802	.0008839



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
6.000	.16666667	.0046296	19.1231308	.2655992	.0008810
6.010	.1663894	.0046066	19.1553600	.2647210	.0008782
6.020	.1661130	.0045836	19.1874800	.2638456	.0008753
6.030	.1658375	.0045609	19.2194908	.2629731	.0008725
6.040	.1655629	.0045383	19.2513924	.2621035	.0008697
6.050	.1652893	.0045158	19.2831850	.2612366	.0008668
6.060	.1650165	.0044935	19.3148686	.2603726	.0008640
6.070	.1647447	.0044713	19.3464432	.2595114	.0008612
6.080	.1644737	.0044493	19.3779088	.2586531	.0008584
6.090	.1642036	.0044274	19.4092655	.2577975	.0008556
6.100	.1639345	.0044057	19.4405133	.2569447	.0008528
6.110	.1636661	.0043841	19.4716524	.2560947	.0008500
6.120	.1633987	.0043626	19.5026827	.2552475	.0008472
6.130	.1631322	.0043413	19.5336044	.2544031	.0008444
6.140	.1628665	.0043201	19.5644174	.2535615	.0008416
6.150	.1626017	.0042991	19.5951219	.2527226	.0008389
6.160	.1623377	.0042782	19.6257180	.2518865	.0008361
6.170	.1620746	.0042574	19.6562057	.2510531	.0008334
6.180	.1618123	.0042368	19.6865850	.2502225	.0008306
6.190	.1615509	.0042163	19.7168561	.2493947	.0008279
6.200	.1612903	.0041959	19.7470191	.2485696	.0008251
6.210	.1610306	.0041757	19.7770740	.2477472	.0008224
6.220	.1607717	.0041556	19.8070210	.2469275	.0008197
6.230	.1605137	.0041356	19.8368600	.2461106	.0008169
6.240	.1602564	.0041157	19.8665913	.2452963	.0008142
6.250	.1600000	.0040960	19.8962148	.2444848	.0008115
6.260	.1597444	.0040764	19.9257308	.2436760	.0008088
6.270	.1594897	.0040569	19.9551393	.2428699	.0008061
6.280	.1592357	.0040376	19.9844403	.2420664	.0008034
6.290	.1589825	.0040184	20.0136341	.2412657	.0008008
6.300	.1587302	.0039993	20.0427207	.2404676	.0007981
6.310	.1584786	.0039803	20.0717003	.2396721	.0007954
6.320	.1582279	.0039614	20.1005729	.2388794	.0007928
6.330	.1579779	.0039427	20.1293387	.2380893	.0007901
6.340	.1577287	.0039240	20.1579977	.2373018	.0007875
6.350	.1574803	.0039055	20.1865502	.2365170	.0007848
6.360	.1572327	.0038871	20.2149962	.2357349	.0007822
6.370	.1569859	.0038689	20.2433359	.2349553	.0007795
6.380	.1567398	.0038507	20.2715693	.2341784	.0007769
6.390	.1564946	.0038326	20.2996967	.2334041	.0007743
6.400	.1562500	.0038147	20.3277181	.2326324	.0007717
6.410	.1560063	.0037969	20.3556337	.2318633	.0007691
6.420	.1557633	.0037792	20.3834436	.2310968	.0007665
6.430	.1555210	.0037616	20.4111480	.2303329	.0007639
6.440	.1552795	.0037441	20.4387469	.2295716	.0007613
6.450	.1550388	.0037267	20.4662407	.2288129	.0007587
6.460	.1547988	.0037094	20.4936293	.2280567	.0007562
6.470	.1545595	.0036922	20.5209130	.2273031	.0007536
6.480	.1543210	.0036752	20.5480919	.2265520	.0007510
6.490	.1540832	.0036582	20.5751661	.2258035	.0007485

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
6.500	.1538462	.0036413	20.6021358	.2250576	.0007460
6.510	.1536099	.0036246	20.6290012	.2243142	.0007434
6.520	.1533743	.0036079	20.6557624	.2235733	.0007409
6.530	.1531394	.0035914	20.6824156	.2228349	.0007384
6.540	.1529052	.0035749	20.7089729	.2220991	.0007358
6.550	.1526718	.0035586	20.7354225	.2213658	.0007333
6.560	.1524391	.0035423	20.7617686	.2206350	.0007308
6.570	.1522070	.0035262	20.7880113	.2199066	.0007283
6.580	.1519757	.0035101	20.8141509	.2191808	.0007258
6.590	.1517451	.0034942	20.8401874	.2184575	.0007233
6.600	.1515152	.0034783	20.8661211	.2177366	.0007209
6.610	.1512860	.0034625	20.8919521	.2170182	.0007184
6.620	.1510574	.0034469	20.9176807	.2163023	.0007159
6.630	.1508296	.0034313	20.9433069	.2155888	.0007135
6.640	.1506024	.0034158	20.9688310	.2148778	.0007110
6.650	.1503760	.0034004	20.9942531	.2141692	.0007086
6.660	.1501502	.0033851	21.0195735	.2134631	.0007061
6.670	.1499251	.0033699	21.0447923	.2127593	.0007037
6.680	.1497006	.0033548	21.0699097	.2120581	.0007013
6.690	.1494769	.0033398	21.0949259	.2113592	.0006989
6.700	.1492538	.0033249	21.1198412	.2106627	.0006965
6.710	.1490313	.0033100	21.1446556	.2099687	.0006940
6.720	.1488096	.0032953	21.1693693	.2092771	.0006916
6.730	.1485884	.0032806	21.1939827	.2085878	.0006893
6.740	.1483680	.0032660	21.2184958	.2079009	.0006869
6.750	.1481482	.0032515	21.2429089	.2072164	.0006845
6.760	.1479290	.0032371	21.2672222	.2065343	.0006821
6.770	.1477105	.0032228	21.2914358	.2058545	.0006798
6.780	.1474927	.0032086	21.3155500	.2051771	.0006774
6.790	.1472754	.0031944	21.3395650	.2045021	.0006751
6.800	.1470589	.0031803	21.3634810	.2038294	.0006727
6.810	.1468429	.0031664	21.3872981	.2031590	.0006704
6.820	.1466276	.0031524	21.4110167	.2024910	.0006680
6.830	.1464129	.0031386	21.4346369	.2018253	.0006657
6.840	.1461989	.0031249	21.4581589	.2011619	.0006634
6.850	.1459854	.0031112	21.4815829	.2005008	.0006611
6.860	.1457726	.0030976	21.5049092	.1998420	.0006588
6.870	.1455604	.0030841	21.5281380	.1991855	.0006565
6.880	.1453489	.0030707	21.5512694	.1985313	.0006542
6.890	.1451379	.0030573	21.5743037	.1978794	.0006519
6.900	.1449276	.0030441	21.5972412	.1972298	.0006496
6.910	.1447178	.0030309	21.6200819	.1965824	.0006474
6.920	.1445087	.0030177	21.6428263	.1959373	.0006451
6.930	.1443002	.0030047	21.6654744	.1952945	.0006428
6.940	.1440922	.0029917	21.6880265	.1946539	.0006406
6.950	.1438849	.0029788	21.7104829	.1940156	.0006383
6.960	.1436782	.0029660	21.7328437	.1933795	.0006361
6.970	.1434721	.0029533	21.7551092	.1927456	.0006339
6.980	.1432665	.0029406	21.7772795	.1921139	.0006317
6.990	.1430615	.0029280	21.7993551	.1914845	.0006294



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
7.000	.1428572	.0029155	21.8213360	.1908573	.0006272
7.010	.1426534	.0029030	21.8432225	.1902323	.0006250
7.020	.1424502	.0028906	21.8650148	.1896094	.0006228
7.030	.1422475	.0028783	21.8867132	.1889888	.0006206
7.040	.1420455	.0028660	21.9083178	.1883704	.0006184
7.050	.1418440	.0028539	21.9298291	.1877541	.0006163
7.060	.1416431	.0028418	21.9512470	.1871400	.0006141
7.070	.1414427	.0028297	21.9725720	.1865281	.0006119
7.080	.1412430	.0028177	21.9938042	.1859183	.0006098
7.090	.1410438	.0028058	22.0149439	.1853107	.0006076
7.100	.1408451	.0027940	22.0359913	.1847052	.0006055
7.110	.1406470	.0027822	22.0569467	.1841018	.0006033
7.120	.1404495	.0027705	22.0778102	.1835006	.0006012
7.130	.1402525	.0027589	22.0985822	.1829015	.0005991
7.140	.1400561	.0027473	22.1192629	.1823046	.0005970
7.150	.1398602	.0027358	22.1398525	.1817097	.0005949
7.160	.1396648	.0027243	22.1603513	.1811170	.0005928
7.170	.1394700	.0027130	22.1807595	.1805263	.0005907
7.180	.1392758	.0027016	22.2010773	.1799377	.0005886
7.190	.1390821	.0026904	22.2213051	.1793513	.0005865
7.200	.1388889	.0026792	22.2414430	.1787669	.0005844
7.210	.1386963	.0026681	22.2614912	.1781845	.0005823
7.220	.1385042	.0026570	22.2814502	.1776043	.0005803
7.230	.1383126	.0026460	22.3013200	.1770261	.0005782
7.240	.1381216	.0026350	22.3211010	.1764499	.0005762
7.250	.1379311	.0026241	22.3407933	.1758758	.0005741
7.260	.1377411	.0026133	22.3603973	.1753037	.0005721
7.270	.1375516	.0026025	22.3799132	.1747337	.0005700
7.280	.1373627	.0025918	22.3993413	.1741657	.0005680
7.290	.1371742	.0025812	22.4186817	.1735997	.0005660
7.300	.1369863	.0025706	22.4379348	.1730358	.0005640
7.310	.1367989	.0025600	22.4571008	.1724738	.0005620
7.320	.1366121	.0025496	22.4761799	.1719138	.0005600
7.330	.1364257	.0025392	22.4951725	.1713559	.0005580
7.340	.1362398	.0025288	22.5140787	.1707999	.0005560
7.350	.1360545	.0025185	22.5328988	.1702459	.0005540
7.360	.1358696	.0025082	22.5516331	.1696938	.0005520
7.370	.1356852	.0024980	22.5702818	.1691438	.0005501
7.380	.1355014	.0024879	22.5888453	.1685957	.0005481
7.390	.1353180	.0024778	22.6073236	.1680496	.0005461
7.400	.1351352	.0024678	22.6257172	.1675054	.0005442
7.410	.1349528	.0024578	22.6440262	.1669631	.0005422
7.420	.1347709	.0024479	22.6622510	.1664228	.0005403
7.430	.1345895	.0024380	22.6803917	.1658844	.0005384
7.440	.1344086	.0024282	22.6984487	.1653480	.0005365
7.450	.1342282	.0024184	22.7164221	.1648135	.0005345
7.460	.1340483	.0024087	22.7343123	.1642808	.0005326
7.470	.1338688	.0023990	22.7521195	.1637501	.0005307
7.480	.1336899	.0023894	22.7698440	.1632213	.0005288
7.490	.1335114	.0023799	22.7874860	.1626944	.0005269

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL (C/3R)
7.500	.1333334	.0023704	22.8050458	.1621693	.0005250
7.510	.1331558	.0023609	22.8225236	.1616462	.0005232
7.520	.1329788	.0023515	22.8399198	.1611249	.0005213
7.530	.1328022	.0023422	22.8572345	.1606055	.0005194
7.540	.1326260	.0023328	22.8744681	.1600879	.0005176
7.550	.1324504	.0023236	22.8916207	.1595722	.0005157
7.560	.1322752	.0023144	22.9086927	.1590584	.0005139
7.570	.1321004	.0023052	22.9256844	.1585463	.0005120
7.580	.1319262	.0022961	22.9425959	.1580362	.0005102
7.590	.1317523	.0022870	22.9594276	.1575278	.0005083
7.600	.1315790	.0022780	22.9761796	.1570213	.0005065
7.610	.1314061	.0022691	22.9928524	.1565166	.0005047
7.620	.1312336	.0022601	23.0094460	.1560137	.0005029
7.630	.1310616	.0022513	23.0259609	.1555126	.0005011
7.640	.1308901	.0022424	23.0423972	.1550134	.0004993
7.650	.1307190	.0022337	23.0587552	.1545159	.0004975
7.660	.1305483	.0022249	23.0750353	.1540202	.0004957
7.670	.1303781	.0022162	23.0912375	.1535263	.0004939
7.680	.1302084	.0022076	23.1073623	.1530341	.0004921
7.690	.1300390	.0021990	23.1234098	.1525438	.0004904
7.700	.1298702	.0021904	23.1393804	.1520551	.0004886
7.710	.1297017	.0021819	23.1552743	.1515683	.0004868
7.720	.1295337	.0021734	23.1710917	.1510832	.0004851
7.730	.1293661	.0021650	23.1868330	.1505998	.0004834
7.740	.1291990	.0021566	23.2024983	.1501182	.0004816
7.750	.1290323	.0021483	23.2180880	.1496384	.0004799
7.760	.1288660	.0021400	23.2336023	.1491602	.0004782
7.770	.1287002	.0021318	23.2490415	.1486838	.0004764
7.780	.1285347	.0021235	23.2644059	.1482091	.0004747
7.790	.1283697	.0021154	23.2796956	.1477361	.0004730
7.800	.1282052	.0021073	23.2949110	.1472648	.0004713
7.810	.1280410	.0020992	23.3100523	.1467952	.0004696
7.820	.1278773	.0020911	23.3251198	.1463272	.0004679
7.830	.1277140	.0020831	23.3401138	.1458610	.0004662
7.840	.1275511	.0020752	23.3550345	.1453965	.0004645
7.850	.1273886	.0020672	23.3698822	.1449336	.0004629
7.860	.1272265	.0020594	23.3846571	.1444724	.0004612
7.870	.1270648	.0020515	23.3993595	.1440129	.0004595
7.880	.1269036	.0020437	23.4139897	.1435550	.0004579
7.890	.1267427	.0020360	23.4285479	.1430988	.0004562
7.900	.1265823	.0020282	23.4430344	.1426442	.0004546
7.910	.1264223	.0020206	23.4574495	.1421913	.0004529
7.920	.1262627	.0020129	23.4717934	.1417400	.0004513
7.930	.1261034	.0020053	23.4860663	.1412903	.0004497
7.940	.1259446	.0019977	23.5002686	.1408422	.0004481
7.950	.1257862	.0019902	23.5144005	.1403958	.0004464
7.960	.1256282	.0019827	23.5284622	.1399510	.0004448
7.970	.1254705	.0019753	23.5424541	.1395078	.0004432
7.980	.1253133	.0019678	23.5563764	.1390661	.0004416
7.990	.1251565	.0019605	23.5702293	.1386261	.0004400



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
8.000	.1250000	.0019531	23.5840130	.1381877	.0004384
8.010	.1248440	.0019458	23.5977280	.1377508	.0004369
8.020	.1246883	.0019386	23.6113744	.1373156	.0004353
8.030	.1245330	.0019313	23.6249524	.1368819	.0004337
8.040	.1243781	.0019241	23.6384624	.1364497	.0004321
8.050	.1242236	.0019170	23.6519046	.1360191	.0004306
8.060	.1240695	.0019098	23.6652792	.1355901	.0004290
8.070	.1239158	.0019027	23.6785866	.1351627	.0004275
8.080	.1237624	.0018957	23.6918269	.1347367	.0004259
8.090	.1236094	.0018887	23.7050005	.1343124	.0004244
8.100	.1234568	.0018817	23.7181075	.1338895	.0004229
8.110	.1233046	.0018747	23.7311483	.1334682	.0004213
8.120	.1231527	.0018678	23.7441231	.1330484	.0004198
8.130	.1230013	.0018609	23.7570321	.1326301	.0004183
8.140	.1228502	.0018541	23.7698757	.1322133	.0004168
8.150	.1226994	.0018473	23.7826540	.1317981	.0004153
8.160	.1225490	.0018405	23.7953674	.1313843	.0004138
8.170	.1223990	.0018337	23.8080160	.1309720	.0004123
8.180	.1222494	.0018270	23.8206001	.1305613	.0004108
8.190	.1221002	.0018203	23.8331201	.1301520	.0004093
8.200	.1219512	.0018137	23.8455761	.1297442	.0004078
8.210	.1218027	.0018071	23.8579684	.1293378	.0004063
8.220	.1216545	.0018005	23.8702972	.1289330	.0004049
8.230	.1215067	.0017939	23.8825628	.1285295	.0004034
8.240	.1213593	.0017874	23.8947655	.1281276	.0004019
8.250	.1212121	.0017809	23.9069055	.1277271	.0004005
8.260	.1210654	.0017744	23.9189831	.1273281	.0003990
8.270	.1209190	.0017680	23.9309985	.1269305	.0003976
8.280	.1207730	.0017616	23.9429519	.1265343	.0003962
8.290	.1206273	.0017552	23.9548436	.1261396	.0003947
8.300	.1204820	.0017489	23.9666739	.1257462	.0003933
8.310	.1203370	.0017426	23.9784430	.1253544	.0003919
8.320	.1201923	.0017363	23.9901512	.1249639	.0003905
8.330	.1200480	.0017301	24.0017987	.1245748	.0003891
8.340	.1199041	.0017239	24.0133857	.1241872	.0003877
8.350	.1197605	.0017177	24.0249125	.1238009	.0003862
8.360	.1196173	.0017115	24.0363794	.1234161	.0003849
8.370	.1194743	.0017054	24.0477866	.1230326	.0003835
8.380	.1193318	.0016993	24.0591343	.1226505	.0003821
8.390	.1191895	.0016932	24.0704228	.1222698	.0003807
8.400	.1190476	.0016872	24.0816524	.1218905	.0003793
8.410	.1189061	.0016812	24.0928232	.1215126	.0003779
8.420	.1187649	.0016752	24.1039356	.1211360	.0003766
8.430	.1186240	.0016692	24.1149897	.1207608	.0003752
8.440	.1184834	.0016633	24.1259859	.1203869	.0003739
8.450	.1183432	.0016574	24.1369243	.1200144	.0003725
8.460	.1182033	.0016515	24.1478052	.1196432	.0003712
8.470	.1180638	.0016457	24.1586288	.1192734	.0003698
8.480	.1179246	.0016399	24.1693955	.1189049	.0003685
8.490	.1177857	.0016341	24.1801053	.1185377	.0003672

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
8.500	.1176471	.0016283	24.1907586	.1181719	.0003658
8.510	.1175088	.0016226	24.2013557	.1178074	.0003645
8.520	.1173709	.0016169	24.2118966	.1174442	.0003632
8.530	.1172333	.0016112	24.2223818	.1170823	.0003619
8.540	.1170960	.0016056	24.2328114	.1167217	.0003606
8.550	.1169591	.0015999	24.2431856	.1163624	.0003593
8.560	.1168225	.0015943	24.2535047	.1160045	.0003580
8.570	.1166861	.0015888	24.2637690	.1156478	.0003567
8.580	.1165501	.0015832	24.2739787	.1152924	.0003554
8.590	.1164145	.0015777	24.2841339	.1149383	.0003541
8.600	.1162791	.0015722	24.2942350	.1145854	.0003528
8.610	.1161440	.0015667	24.3042822	.1142339	.0003516
8.620	.1160093	.0015613	24.3142757	.1138836	.0003503
8.630	.1158749	.0015559	24.3242157	.1135345	.0003490
8.640	.1157408	.0015505	24.3341025	.1131868	.0003478
8.650	.1156070	.0015451	24.3439363	.1128402	.0003465
8.660	.1154735	.0015397	24.3537174	.1124950	.0003453
8.670	.1153403	.0015344	24.3634459	.1121509	.0003440
8.680	.1152074	.0015291	24.3731222	.1118082	.0003428
8.690	.1150748	.0015238	24.3827464	.1114666	.0003415
8.700	.1149425	.0015186	24.3923187	.1111263	.0003403
8.710	.1148106	.0015134	24.4018395	.1107872	.0003391
8.720	.1146789	.0015082	24.4113088	.1104493	.0003379
8.730	.1145476	.0015030	24.4207270	.1101127	.0003367
8.740	.1144165	.0014978	24.4300943	.1097772	.0003354
8.750	.1142857	.0014927	24.4394109	.1094430	.0003342
8.760	.1141553	.0014876	24.4486771	.1091100	.0003330
8.770	.1140251	.0014825	24.4578930	.1087782	.0003318
8.780	.1138952	.0014775	24.4670588	.1084475	.0003306
8.790	.1137657	.0014724	24.4761749	.1081181	.0003294
8.800	.1136364	.0014674	24.4852414	.1077898	.0003283
8.810	.1135074	.0014624	24.4942586	.1074628	.0003271
8.820	.1133787	.0014575	24.5032266	.1071369	.0003259
8.830	.1132503	.0014525	24.5121457	.1068122	.0003247
8.840	.1131222	.0014476	24.5210162	.1064886	.0003236
8.850	.1129944	.0014427	24.5298382	.1061662	.0003224
8.860	.1128668	.0014378	24.5386119	.1058450	.0003212
8.870	.1127396	.0014329	24.5473377	.1055249	.0003201
8.880	.1126126	.0014281	24.5560156	.1052060	.0003189
8.890	.1124860	.0014233	24.5646460	.1048882	.0003178
8.900	.1123596	.0014185	24.5732289	.1045716	.0003166
8.910	.1122335	.0014137	24.5817648	.1042561	.0003155
8.920	.1121076	.0014090	24.5902537	.1039417	.0003144
8.930	.1119821	.0014043	24.5986959	.1036285	.0003132
8.940	.1118568	.0013995	24.6070916	.1033164	.0003121
8.950	.1117319	.0013949	24.6154410	.1030054	.0003110
8.960	.1116072	.0013902	24.6237443	.1026955	.0003099
8.970	.1114827	.0013856	24.6320018	.1023868	.0003088
8.980	.1113586	.0013809	24.6402136	.1020791	.0003076
8.990	.1112347	.0013763	24.6483800	.1017726	.0003065



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
9.000	.1111111	.0013717	24.6565011	.1014671	.0003054
9.010	.1109878	.0013672	24.6645773	.1011628	.0003043
9.020	.1108648	.0013626	24.6726086	.1008595	.0003033
9.030	.1107420	.0013581	24.6805954	.1005574	.0003022
9.040	.1106195	.0013536	24.6885378	.1002563	.0003011
9.050	.1104973	.0013491	24.6964359	.0999563	.0003000
9.060	.1103753	.0013447	24.7042902	.0996573	.0002989
9.070	.1102536	.0013402	24.7121006	.0993595	.0002979
9.080	.1101322	.0013358	24.7198675	.0990627	.0002968
9.090	.1100110	.0013314	24.7275911	.0987669	.0002957
9.100	.1098901	.0013270	24.7352715	.0984723	.0002947
9.110	.1097695	.0013227	24.7429090	.0981787	.0002936
9.120	.1096491	.0013183	24.7505037	.0978861	.0002926
9.130	.1095290	.0013140	24.7580559	.0975946	.0002915
9.140	.1094092	.0013097	24.7655658	.0973041	.0002905
9.150	.1092896	.0013054	24.7730335	.0970147	.0002894
9.160	.1091703	.0013011	24.7804593	.0967263	.0002884
9.170	.1090513	.0012969	24.7878434	.0964389	.0002874
9.180	.1089325	.0012926	24.7951860	.0961525	.0002863
9.190	.1088139	.0012884	24.8024872	.0958672	.0002853
9.200	.1086957	.0012842	24.8097473	.0955829	.0002843
9.210	.1085776	.0012800	24.8169664	.0952996	.0002833
9.220	.1084599	.0012759	24.8241448	.0950174	.0002823
9.230	.1083424	.0012717	24.8312827	.0947361	.0002813
9.240	.1082251	.0012676	24.8383802	.0944558	.0002803
9.250	.1081081	.0012635	24.8454376	.0941766	.0002793
9.260	.1079914	.0012594	24.8524550	.0938983	.0002783
9.270	.1078749	.0012553	24.8594327	.0936210	.0002773
9.280	.1077586	.0012513	24.8663708	.0933448	.0002763
9.290	.1076426	.0012472	24.8732695	.0930695	.0002753
9.300	.1075269	.0012432	24.8801290	.0927951	.0002743
9.310	.1074114	.0012392	24.8869496	.0925218	.0002733
9.320	.1072962	.0012352	24.8937313	.0922494	.0002724
9.330	.1071811	.0012313	24.9004744	.0919780	.0002714
9.340	.1070664	.0012273	24.9071791	.0917076	.0002704
9.350	.1069519	.0012234	24.9138456	.0914381	.0002695
9.360	.1068376	.0012195	24.9204740	.0911696	.0002685
9.370	.1067236	.0012156	24.9270646	.0909021	.0002676
9.380	.1066098	.0012117	24.9336175	.0906355	.0002666
9.390	.1064963	.0012078	24.9401328	.0903698	.0002657
9.400	.1063830	.0012040	24.9466109	.0901051	.0002647
9.410	.1062699	.0012001	24.9530519	.0898413	.0002638
9.420	.1061571	.0011963	24.9594559	.0895785	.0002628
9.430	.1060446	.0011925	24.9658232	.0893166	.0002619
9.440	.1059322	.0011887	24.9721539	.0890556	.0002610
9.450	.1058201	.0011850	24.9784483	.0887956	.0002600
9.460	.1057083	.0011812	24.9847064	.0885365	.0002591
9.470	.1055966	.0011775	24.9909285	.0882783	.0002582
9.480	.1054852	.0011737	24.9971147	.0880210	.0002573
9.490	.1053741	.0011700	25.0032653	.0877646	.0002564

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
9.500	.1052632	.0011664	25.0093804	.0875092	.0002555
9.510	.1051525	.0011627	25.0154602	.0872546	.0002546
9.520	.1050420	.0011590	25.0215048	.0870009	.0002537
9.530	.1049318	.0011554	25.0275145	.0867482	.0002528
9.540	.1048218	.0011517	25.0334894	.0864963	.0002519
9.550	.1047121	.0011481	25.0394298	.0862454	.0002510
9.560	.1046025	.0011445	25.0453356	.0859953	.0002501
9.570	.1044932	.0011409	25.0512073	.0857461	.0002492
9.580	.1043841	.0011374	25.0570448	.0854978	.0002483
9.590	.1042753	.0011338	25.0628484	.0852503	.0002474
9.600	.1041667	.0011303	25.0686183	.0850038	.0002466
9.610	.1040583	.0011268	25.0743546	.0847581	.0002457
9.620	.1039501	.0011232	25.0800576	.0845132	.0002448
9.630	.1038422	.0011198	25.0857273	.0842693	.0002440
9.640	.1037345	.0011163	25.0913639	.0840262	.0002431
9.650	.1036270	.0011128	25.0969676	.0837839	.0002422
9.660	.1035197	.0011094	25.1025387	.0835425	.0002414
9.670	.1034126	.0011059	25.1080771	.0833020	.0002405
9.680	.1033058	.0011025	25.1135832	.0830623	.0002397
9.690	.1031992	.0010991	25.1190571	.0828235	.0002388
9.700	.1030928	.0010957	25.1244989	.0825855	.0002380
9.710	.1029866	.0010923	25.1299088	.0823483	.0002372
9.720	.1028807	.0010889	25.1352870	.0821120	.0002363
9.730	.1027749	.0010856	25.1406337	.0818765	.0002355
9.740	.1026694	.0010822	25.1459489	.0816418	.0002347
9.750	.1025641	.0010789	25.1512329	.0814079	.0002338
9.760	.1024590	.0010756	25.1564858	.0811749	.0002330
9.770	.1023542	.0010723	25.1617078	.0809427	.0002322
9.780	.1022495	.0010690	25.1668990	.0807113	.0002314
9.790	.1021451	.0010657	25.1720597	.0804808	.0002306
9.800	.1020408	.0010625	25.1771899	.0802510	.0002297
9.810	.1019368	.0010592	25.1822898	.0800220	.0002290
9.820	.1018330	.0010560	25.1873597	.0797939	.0002282
9.830	.1017294	.0010528	25.1923995	.0795665	.0002274
9.840	.1016260	.0010496	25.1974095	.0793400	.0002266
9.850	.1015229	.0010464	25.2023899	.0791142	.0002258
9.860	.1014199	.0010432	25.2073408	.0788892	.0002250
9.870	.1013171	.0010400	25.2122624	.0786650	.0002242
9.880	.1012146	.0010369	25.2171547	.0784416	.0002234
9.890	.1011122	.0010337	25.2220181	.0782190	.0002226
9.900	.1010101	.0010306	25.2268525	.0779972	.0002218
9.910	.1009082	.0010275	25.2316582	.0777761	.0002211
9.920	.1008065	.0010244	25.2364354	.0775558	.0002203
9.930	.1007049	.0010213	25.2411841	.0773363	.0002195
9.940	.1006036	.0010182	25.2459045	.0771175	.0002188
9.950	.1005025	.0010152	25.2505968	.0768995	.0002180
9.960	.1004016	.0010121	25.2552611	.0766823	.0002172
9.970	.1003009	.0010091	25.2598976	.0764658	.0002165
9.980	.1002004	.0010060	25.2645064	.0762501	.0002157
9.990	.1001001	.0010030	25.2690877	.0760352	.0002150



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
10.000	.1000000	.0010000	25.2736415	.0758209	.0002142
10.010	.0999001	.0009970	25.2781682	.0756075	.0002135
10.020	.0998004	.0009940	25.2826677	.0753947	.0002127
10.030	.0997009	.0009911	25.2871403	.0751828	.0002120
10.040	.0996016	.0009881	25.2915860	.0749715	.0002112
10.050	.0995025	.0009851	25.2960051	.0747610	.0002105
10.060	.0994036	.0009822	25.3003977	.0745512	.0002098
10.070	.0993049	.0009793	25.3047639	.0743422	.0002091
10.080	.0992064	.0009764	25.3091038	.0741338	.0002083
10.090	.0991080	.0009735	25.3134176	.0739262	.0002076
10.100	.0990099	.0009706	25.3177055	.0737194	.0002069
10.110	.0989120	.0009677	25.3219675	.0735132	.0002062
10.120	.0988142	.0009648	25.3262039	.0733078	.0002054
10.130	.0987167	.0009620	25.3304147	.0731030	.0002047
10.140	.0986193	.0009591	25.3346001	.0728990	.0002040
10.150	.0985222	.0009563	25.3387603	.0726957	.0002033
10.160	.0984252	.0009535	25.3428953	.0724931	.0002026
10.170	.0983284	.0009507	25.3470053	.0722911	.0002019
10.180	.0982318	.0009479	25.3510904	.0720899	.0002012
10.190	.0981354	.0009451	25.3551509	.0718894	.0002005
10.200	.0980392	.0009423	25.3591867	.0716896	.0001998
10.210	.0979432	.0009396	25.3631980	.0714905	.0001991
10.220	.0978474	.0009368	25.3671851	.0712920	.0001984
10.230	.0977517	.0009341	25.3711479	.0710943	.0001978
10.240	.0976563	.0009313	25.3750867	.0708972	.0001971
10.250	.0975610	.0009286	25.3790015	.0707008	.0001964
10.260	.0974659	.0009259	25.3828926	.0705051	.0001957
10.270	.0973710	.0009232	25.3867600	.0703100	.0001950
10.280	.0972763	.0009205	25.3906038	.0701157	.0001944
10.290	.0971817	.0009178	25.3944242	.0699220	.0001937
10.300	.0970874	.0009151	25.3982214	.0697289	.0001930
10.310	.0969932	.0009125	25.4019953	.0695366	.0001924
10.320	.0968992	.0009098	25.4057463	.0693448	.0001917
10.330	.0968054	.0009072	25.4094743	.0691538	.0001910
10.340	.0967118	.0009046	25.4131796	.0689634	.0001904
10.350	.0966184	.0009019	25.4168622	.0687737	.0001897
10.360	.0965251	.0008993	25.4205223	.0685846	.0001891
10.370	.0964320	.0008967	25.4241600	.0683962	.0001884
10.380	.0963391	.0008941	25.4277754	.0682084	.0001878
10.390	.0962464	.0008916	25.4313686	.0680212	.0001871
10.400	.0961539	.0008890	25.4349399	.0678347	.0001865
10.410	.0960615	.0008864	25.4384892	.0676489	.0001859
10.420	.0959693	.0008839	25.4420167	.0674636	.0001852
10.430	.0958773	.0008813	25.4455225	.0672790	.0001846
10.440	.0957854	.0008788	25.4490068	.0670951	.0001840
10.450	.0956938	.0008763	25.4524697	.0669117	.0001833
10.460	.0956023	.0008738	25.4559113	.0667290	.0001827
10.470	.0955110	.0008713	25.4593316	.0665470	.0001821
10.480	.0954199	.0008688	25.4627309	.0663655	.0001815
10.490	.0953289	.0008663	25.4661093	.0661847	.0001808

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2 **3	INTEGRAL	C/3R	DEL (C/3R)
10.500	.0952381	.0008638	25.4694668	.0660045	.0001802
10.510	.0951475	.0008614	25.4728035	.0658249	.0001796
10.520	.0950570	.0008589	25.4761197	.0656459	.0001790
10.530	.0949668	.0008565	25.4794154	.0654675	.0001784
10.540	.0948767	.0008540	25.4826907	.0652897	.0001778
10.550	.0947867	.0008516	25.4859457	.0651125	.0001772
10.560	.0946970	.0008492	25.4891806	.0649360	.0001766
10.570	.0946074	.0008468	25.4923955	.0647600	.0001760
10.580	.0945180	.0008444	25.4955904	.0645847	.0001754
10.590	.0944287	.0008420	25.4987656	.0644099	.0001748
10.600	.0943396	.0008396	25.5019210	.0642357	.0001742
10.610	.0942507	.0008372	25.5050568	.0640621	.0001736
10.620	.0941620	.0008349	25.5081732	.0638891	.0001730
10.630	.0940734	.0008325	25.5112702	.0637167	.0001724
10.640	.0939850	.0008302	25.5143479	.0635449	.0001718
10.650	.0938967	.0008278	25.5174065	.0633737	.0001712
10.660	.0938086	.0008255	25.5204461	.0632030	.0001707
10.670	.0937207	.0008232	25.5234667	.0630330	.0001701
10.680	.0936330	.0008209	25.5264685	.0628635	.0001695
10.690	.0935454	.0008186	25.5294515	.0626945	.0001689
10.700	.0934579	.0008163	25.5324160	.0625262	.0001684
10.710	.0933707	.0008140	25.5353620	.0623584	.0001678
10.720	.0932836	.0008117	25.5382895	.0621912	.0001672
10.730	.0931966	.0008095	25.5411988	.0620245	.0001667
10.740	.0931099	.0008072	25.5440899	.0618584	.0001661
10.750	.0930233	.0008050	25.5469628	.0616929	.0001655
10.760	.0929368	.0008027	25.5498178	.0615279	.0001650
10.770	.0928505	.0008005	25.5526549	.0613635	.0001644
10.780	.0927644	.0007983	25.5554743	.0611997	.0001639
10.790	.0926784	.0007960	25.5582759	.0610363	.0001633
10.800	.0925926	.0007938	25.5610600	.0608736	.0001628
10.810	.0925069	.0007916	25.5638266	.0607114	.0001622
10.820	.0924214	.0007894	25.5665759	.0605497	.0001617
10.830	.0923361	.0007873	25.5693078	.0603886	.0001611
10.840	.0922509	.0007851	25.5720226	.0602280	.0001606
10.850	.0921659	.0007829	25.5747203	.0600680	.0001600
10.860	.0920810	.0007807	25.5774010	.0599085	.0001595
10.870	.0919963	.0007786	25.5800649	.0597495	.0001590
10.880	.0919118	.0007764	25.5827119	.0595911	.0001584
10.890	.0918274	.0007743	25.5853423	.0594332	.0001579
10.900	.0917431	.0007722	25.5879561	.0592758	.0001574
10.910	.0916590	.0007701	25.5905533	.0591189	.0001568
10.920	.0915751	.0007679	25.5931342	.0589626	.0001563
10.930	.0914913	.0007658	25.5956988	.0588068	.0001558
10.940	.0914077	.0007637	25.5982472	.0586516	.0001553
10.950	.0913242	.0007617	25.6007794	.0584968	.0001548
10.960	.0912409	.0007596	25.6032957	.0583426	.0001542
10.970	.0911577	.0007575	25.6057960	.0581888	.0001537
10.980	.0910747	.0007554	25.6082805	.0580356	.0001532
10.990	.0909918	.0007534	25.6107492	.0578829	.0001527



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
11.000	.0909091	.0007513	25.6132022	.0577307	.0001522
11.010	.0908265	.0007493	25.6156398	.0575791	.0001517
11.020	.0907441	.0007472	25.6180618	.0574279	.0001512
11.030	.0906618	.0007452	25.6204684	.0572772	.0001507
11.040	.0905797	.0007432	25.6228598	.0571270	.0001502
11.050	.0904977	.0007412	25.6252360	.0569774	.0001497
11.060	.0904159	.0007392	25.6275970	.0568282	.0001492
11.070	.0903342	.0007372	25.6299431	.0566795	.0001487
11.080	.0902527	.0007352	25.6322741	.0565313	.0001482
11.090	.0901713	.0007332	25.6345904	.0563836	.0001477
11.100	.0900901	.0007312	25.6368919	.0562364	.0001472
11.110	.0900090	.0007292	25.6391787	.0560897	.0001467
11.120	.0899281	.0007273	25.6414509	.0559435	.0001462
11.130	.0898473	.0007253	25.6437086	.0557977	.0001457
11.140	.0897666	.0007233	25.6459519	.0556525	.0001453
11.150	.0896861	.0007214	25.6481809	.0555077	.0001448
11.160	.0896057	.0007195	25.6503956	.0553634	.0001443
11.170	.0895255	.0007175	25.6525961	.0552196	.0001438
11.180	.0894454	.0007156	25.6547826	.0550762	.0001433
11.190	.0893655	.0007137	25.6569551	.0549334	.0001429
11.200	.0892857	.0007118	25.6591136	.0547910	.0001424
11.210	.0892061	.0007099	25.6612584	.0546490	.0001419
11.220	.0891266	.0007080	25.6633893	.0545076	.0001415
11.230	.0890472	.0007061	25.6655066	.0543666	.0001410
11.240	.0889680	.0007042	25.6676104	.0542260	.0001405
11.250	.0888889	.0007023	25.6697006	.0540860	.0001401
11.260	.0888099	.0007005	25.6717773	.0539463	.0001396
11.270	.0887311	.0006986	25.6738408	.0538072	.0001391
11.280	.0886525	.0006967	25.6758909	.0536685	.0001387
11.290	.0885740	.0006949	25.6779279	.0535303	.0001382
11.300	.0884956	.0006931	25.6799518	.0533925	.0001378
11.310	.0884173	.0006912	25.6819626	.0532552	.0001373
11.320	.0883392	.0006894	25.6839605	.0531183	.0001369
11.330	.0882613	.0006876	25.6859455	.0529818	.0001364
11.340	.0881834	.0006857	25.6879177	.0528459	.0001360
11.350	.0881057	.0006839	25.6898772	.0527103	.0001355
11.360	.0880282	.0006821	25.6918240	.0525752	.0001351
11.370	.0879507	.0006803	25.6937582	.0524406	.0001347
11.380	.0878735	.0006785	25.6956800	.0523064	.0001342
11.390	.0877963	.0006768	25.6975893	.0521726	.0001338
11.400	.0877193	.0006750	25.6994863	.0520393	.0001333
11.410	.0876424	.0006732	25.7013710	.0519064	.0001329
11.420	.0875657	.0006714	25.7032435	.0517739	.0001325
11.430	.0874891	.0006697	25.7051039	.0516419	.0001320
11.440	.0874126	.0006679	25.7069522	.0515103	.0001316
11.450	.0873362	.0006662	25.7087886	.0513791	.0001312
11.460	.0872600	.0006644	25.7106130	.0512483	.0001307
11.470	.0871840	.0006627	25.7124256	.0511180	.0001303
11.480	.0871080	.0006610	25.7142264	.0509881	.0001299
11.490	.0870322	.0006592	25.7160156	.0508586	.0001295

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
11.500	.0869565	.0006575	25.7177931	.0507296	.0001291
11.510	.0868810	.0006558	25.7195590	.0506010	.0001286
11.520	.0868056	.0006541	25.7213135	.0504727	.0001282
11.530	.0867303	.0006524	25.7230565	.0503449	.0001278
11.540	.0866551	.0006507	25.7247883	.0502176	.0001274
11.550	.0865801	.0006490	25.7265087	.0500906	.0001270
11.560	.0865052	.0006473	25.7282179	.0499640	.0001266
11.570	.0864304	.0006457	25.7299160	.0498379	.0001262
11.580	.0863558	.0006440	25.7316030	.0497121	.0001257
11.590	.0862813	.0006423	25.7332790	.0495868	.0001253
11.600	.0862069	.0006407	25.7349440	.0494619	.0001249
11.610	.0861326	.0006390	25.7365982	.0493373	.0001245
11.620	.0860585	.0006374	25.7382416	.0492132	.0001241
11.630	.0859845	.0006357	25.7398742	.0490895	.0001237
11.640	.0859107	.0006341	25.7414962	.0489662	.0001233
11.650	.0858369	.0006324	25.7431075	.0488432	.0001229
11.660	.0857633	.0006308	25.7447083	.0487207	.0001225
11.670	.0856898	.0006292	25.7462986	.0485986	.0001221
11.680	.0856164	.0006276	25.7478785	.0484768	.0001217
11.690	.0855432	.0006260	25.7494480	.0483555	.0001214
11.700	.0854701	.0006244	25.7510073	.0482345	.0001210
11.710	.0853971	.0006228	25.7525563	.0481139	.0001206
11.720	.0853242	.0006212	25.7540952	.0479937	.0001202
11.730	.0852515	.0006196	25.7556239	.0478739	.0001198
11.740	.0851789	.0006180	25.7571426	.0477545	.0001194
11.750	.0851064	.0006164	25.7586514	.0476355	.0001190
11.760	.0850340	.0006149	25.7601502	.0475168	.0001187
11.770	.0849618	.0006133	25.7616391	.0473986	.0001183
11.780	.0848896	.0006117	25.7631183	.0472807	.0001179
11.790	.0848176	.0006102	25.7645877	.0471632	.0001175
11.800	.0847458	.0006086	25.7660475	.0470460	.0001171
11.810	.0846740	.0006071	25.7674976	.0469293	.0001168
11.820	.0846024	.0006055	25.7689381	.0468129	.0001164
11.830	.0845309	.0006040	25.7703692	.0466969	.0001160
11.840	.0844595	.0006025	25.7717908	.0465812	.0001157
11.850	.0843882	.0006010	25.7732031	.0464659	.0001153
11.860	.0843170	.0005994	25.7746060	.0463510	.0001149
11.870	.0842460	.0005979	25.7759997	.0462365	.0001145
11.880	.0841751	.0005964	25.7773841	.0461223	.0001142
11.890	.0841043	.0005949	25.7787594	.0460085	.0001138
11.900	.0840336	.0005934	25.7801256	.0458950	.0001135
11.910	.0839631	.0005919	25.7814827	.0457819	.0001131
11.920	.0838926	.0005904	25.7828309	.0456692	.0001127
11.930	.0838223	.0005890	25.7841702	.0455568	.0001124
11.940	.0837521	.0005875	25.7855005	.0454448	.0001120
11.950	.0836820	.0005860	25.7868221	.0453331	.0001117
11.960	.0836120	.0005845	25.7881349	.0452218	.0001113
11.970	.0835422	.0005831	25.7894389	.0451108	.0001110
11.980	.0834725	.0005816	25.7907344	.0450002	.0001106
11.990	.0834028	.0005802	25.7920212	.0448899	.0001103



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C /3R)
12.000	.08333333	.0005787	25.7932995	.0447800	.0001099
12.010	.0832639	.0005773	25.7945693	.0446705	.0001096
12.020	.0831947	.0005758	25.7958306	.0445612	.0001092
12.030	.0831255	.0005744	25.7970836	.0444524	.0001089
12.040	.0830565	.0005730	25.7983282	.0443438	.0001085
12.050	.0829875	.0005715	25.7995645	.0442357	.0001082
12.060	.0829187	.0005701	25.8007926	.0441278	.0001078
12.070	.0828500	.0005687	25.8020125	.0440203	.0001075
12.080	.0827815	.0005673	25.8032243	.0439131	.0001072
12.090	.0827130	.0005659	25.8044280	.0438063	.0001068
12.100	.0826446	.0005645	25.8056237	.0436998	.0001065
12.110	.0825764	.0005631	25.8068114	.0435936	.0001062
12.120	.0825082	.0005617	25.8079912	.0434878	.0001058
12.130	.0824402	.0005603	25.8091631	.0433823	.0001055
12.140	.0823723	.0005589	25.8103272	.0432771	.0001052
12.150	.0823045	.0005575	25.8114835	.0431723	.0001048
12.160	.0822368	.0005562	25.8126321	.0430678	.0001045
12.170	.0821693	.0005548	25.8137730	.0429636	.0001042
12.180	.0821018	.0005534	25.8149062	.0428598	.0001039
12.190	.0820345	.0005521	25.8160319	.0427562	.0001035
12.200	.0819672	.0005507	25.8171500	.0426530	.0001032
12.210	.0819001	.0005494	25.8182606	.0425502	.0001029
12.220	.0818331	.0005480	25.8193638	.0424476	.0001026
12.230	.0817661	.0005467	25.8204596	.0423454	.0001022
12.240	.0816993	.0005453	25.8215481	.0422434	.0001019
12.250	.0816326	.0005440	25.8226292	.0421418	.0001016
12.260	.0815661	.0005427	25.8237031	.0420405	.0001013
12.270	.0814996	.0005413	25.8247698	.0419396	.0001010
12.280	.0814332	.0005400	25.8258293	.0418389	.0001007
12.290	.0813670	.0005387	25.8268817	.0417386	.0001003
12.300	.0813008	.0005374	25.8279270	.0416385	.0001000
12.310	.0812348	.0005361	25.8289653	.0415388	.0000997
12.320	.0811688	.0005348	25.8299966	.0414394	.0000994
12.330	.0811030	.0005335	25.8310210	.0413403	.0000991
12.340	.0810373	.0005322	25.8320384	.0412415	.0000988
12.350	.0809717	.0005309	25.8330490	.0411430	.0000985
12.360	.0809061	.0005296	25.8340528	.0410448	.0000982
12.370	.0808407	.0005283	25.8350499	.0409469	.0000979
12.380	.0807754	.0005270	25.8360402	.0408494	.0000976
12.390	.0807102	.0005258	25.8370238	.0407521	.0000973
12.400	.0806452	.0005245	25.8380008	.0406551	.0000970
12.410	.0805802	.0005232	25.8389712	.0405584	.0000967
12.420	.0805153	.0005220	25.8399350	.0404620	.0000964
12.430	.0804505	.0005207	25.8408924	.0403660	.0000961
12.440	.0803858	.0005194	25.8418432	.0402702	.0000958
12.450	.0803213	.0005182	25.8427877	.0401747	.0000955
12.460	.0802568	.0005169	25.8437257	.0400795	.0000952
12.470	.0801925	.0005157	25.8446574	.0399846	.0000949
12.480	.0801282	.0005145	25.8455828	.0398900	.0000946
12.490	.0800640	.0005132	25.8465019	.0397957	.0000943

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
12.500	.0800000	.0005120	25.8474148	.0397016	.0000940
12.510	.0799360	.0005108	25.8483215	.0396079	.0000937
12.520	.0798722	.0005096	25.8492221	.0395144	.0000935
12.530	.0798085	.0005083	25.8501165	.0394213	.0000932
12.540	.0797448	.0005071	25.8510049	.0393284	.0000929
12.550	.0796813	.0005059	25.8518872	.0392358	.0000926
12.560	.0796178	.0005047	25.8527636	.0391435	.0000923
12.570	.0795545	.0005035	25.8536340	.0390514	.0000920
12.580	.0794913	.0005023	25.8544985	.0389597	.0000918
12.590	.0794281	.0005011	25.8553571	.0388682	.0000915
12.600	.0793651	.0004999	25.8562099	.0387770	.0000912
12.610	.0793021	.0004987	25.8570569	.0386861	.0000909
12.620	.0792393	.0004975	25.8578981	.0385955	.0000906
12.630	.0791766	.0004964	25.8587336	.0385051	.0000904
12.640	.0791139	.0004952	25.8595634	.0384150	.0000901
12.650	.0790514	.0004940	25.8603875	.0383252	.0000898
12.660	.0789889	.0004928	25.8612061	.0382357	.0000895
12.670	.0789266	.0004917	25.8620190	.0381464	.0000893
12.680	.0788643	.0004905	25.8628264	.0380574	.0000890
12.690	.0788022	.0004893	25.8636283	.0379687	.0000887
12.700	.0787402	.0004882	25.8644248	.0378802	.0000885
12.710	.0786782	.0004870	25.8652158	.0377921	.0000882
12.720	.0786163	.0004859	25.8660013	.0377041	.0000879
12.730	.0785546	.0004847	25.8667816	.0376165	.0000877
12.740	.0784929	.0004836	25.8675564	.0375291	.0000874
12.750	.0784314	.0004825	25.8683260	.0374420	.0000871
12.760	.0783699	.0004813	25.8690904	.0373551	.0000869
12.770	.0783085	.0004802	25.8698495	.0372685	.0000866
12.780	.0782473	.0004791	25.8706034	.0371822	.0000863
12.790	.0781861	.0004780	25.8713521	.0370961	.0000861
12.800	.0781250	.0004768	25.8720957	.0370103	.0000858
12.810	.0780640	.0004757	25.8728342	.0369248	.0000856
12.820	.0780031	.0004746	25.8735677	.0368395	.0000853
12.830	.0779423	.0004735	25.8742961	.0367544	.0000850
12.840	.0778816	.0004724	25.8750195	.0366696	.0000848
12.850	.0778210	.0004713	25.8757380	.0365851	.0000845
12.860	.0777605	.0004702	25.8764515	.0365008	.0000843
12.870	.0777001	.0004691	25.8771602	.0364168	.0000840
12.880	.0776397	.0004680	25.8778640	.0363331	.0000838
12.890	.0775795	.0004669	25.8785629	.0362495	.0000835
12.900	.0775194	.0004658	25.8792570	.0361663	.0000833
12.910	.0774593	.0004648	25.8799464	.0360833	.0000830
12.920	.0773994	.0004637	25.8806310	.0360005	.0000828
12.930	.0773395	.0004626	25.8813109	.0359180	.0000825
12.940	.0772797	.0004615	25.8819861	.0358357	.0000823
12.950	.0772201	.0004605	25.8826567	.0357537	.0000820
12.960	.0771605	.0004594	25.8833227	.0356719	.0000818
12.970	.0771010	.0004583	25.8839840	.0355904	.0000815
12.980	.0770416	.0004573	25.8846408	.0355091	.0000813
12.990	.0769823	.0004562	25.8852931	.0354280	.0000811



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
13.000	.0769231	.0004552	25.8859409	.0353472	.0000808
13.010	.0768639	.0004541	25.8865842	.0352666	.0000806
13.020	.0768049	.0004531	25.8872231	.0351863	.0000803
13.030	.0767460	.0004520	25.8878576	.0351062	.0000801
13.040	.0766871	.0004510	25.8884876	.0350264	.0000799
13.050	.0766283	.0004500	25.8891134	.0349467	.0000796
13.060	.0765697	.0004489	25.8897348	.0348674	.0000794
13.070	.0765111	.0004479	25.8903519	.0347882	.0000791
13.080	.0764526	.0004469	25.8909647	.0347093	.0000789
13.090	.0763942	.0004458	25.8915733	.0346306	.0000787
13.100	.0763359	.0004448	25.8921777	.0345522	.0000784
13.110	.0762776	.0004438	25.8927779	.0344740	.0000782
13.120	.0762195	.0004428	25.8933740	.0343960	.0000780
13.130	.0761615	.0004418	25.8939659	.0343183	.0000777
13.140	.0761035	.0004408	25.8945537	.0342408	.0000775
13.150	.0760456	.0004398	25.8951375	.0341635	.0000773
13.160	.0759878	.0004388	25.8957172	.0340864	.0000771
13.170	.0759301	.0004378	25.8962928	.0340096	.0000768
13.180	.0758725	.0004368	25.8968645	.0339330	.0000766
13.190	.0758150	.0004358	25.8974322	.0338566	.0000764
13.200	.0757576	.0004348	25.8979960	.0337805	.0000762
13.210	.0757002	.0004338	25.8985559	.0337045	.0000759
13.220	.0756430	.0004328	25.8991118	.0336288	.0000757
13.230	.0755858	.0004318	25.8996639	.0335533	.0000755
13.240	.0755287	.0004309	25.9002122	.0334778	.0000753
13.250	.0754717	.0004299	25.9007567	.0334030	.0000750
13.260	.0754148	.0004289	25.9012973	.0333282	.0000748
13.270	.0753579	.0004279	25.9018342	.0332536	.0000746
13.280	.0753012	.0004270	25.9023674	.0331792	.0000744
13.290	.0752445	.0004260	25.9028968	.0331051	.0000742
13.300	.0751880	.0004251	25.9034226	.0330311	.0000739
13.310	.0751315	.0004241	25.9039447	.0329574	.0000737
13.320	.0750751	.0004231	25.9044632	.0328839	.0000735
13.330	.0750187	.0004222	25.9049780	.0328106	.0000733
13.340	.0749625	.0004212	25.9054893	.0327375	.0000731
13.350	.0749064	.0004203	25.9059969	.0326646	.0000729
13.360	.0748503	.0004194	25.9065011	.0325920	.0000727
13.370	.0747943	.0004184	25.9070017	.0325195	.0000724
13.380	.0747384	.0004175	25.9074988	.0324473	.0000722
13.390	.0746826	.0004165	25.9079925	.0323753	.0000720
13.400	.0746269	.0004156	25.9084827	.0323034	.0000718
13.410	.0745712	.0004147	25.9089695	.0322318	.0000716
13.420	.0745156	.0004138	25.9094528	.0321604	.0000714
13.430	.0744602	.0004128	25.9099328	.0320892	.0000712
13.440	.0744048	.0004119	25.9104095	.0320182	.0000710
13.450	.0743494	.0004110	25.9108828	.0319475	.0000708
13.460	.0742942	.0004101	25.9113528	.0318769	.0000706
13.470	.0742390	.0004092	25.9118195	.0318065	.0000704
13.480	.0741840	.0004083	25.9122829	.0317364	.0000702
13.490	.0741290	.0004073	25.9127431	.0316664	.0000700

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
13.500	.0740741	.0004064	25.9132000	.0315966	.0000698
13.510	.0740192	.0004055	25.9136537	.0315271	.0000696
13.520	.0739645	.0004046	25.9141043	.0314577	.0000694
13.530	.0739098	.0004037	25.9145517	.0313886	.0000692
13.540	.0738552	.0004029	25.9149960	.0313196	.0000690
13.550	.0738007	.0004020	25.9154371	.0312508	.0000688
13.560	.0737463	.0004011	25.9158752	.0311823	.0000686
13.570	.0736920	.0004002	25.9163101	.0311139	.0000684
13.580	.0736377	.0003993	25.9167420	.0310458	.0000682
13.590	.0735835	.0003984	25.9171709	.0309778	.0000680
13.600	.0735294	.0003975	25.9175968	.0309100	.0000678
13.610	.0734754	.0003967	25.9180196	.0308424	.0000676
13.620	.0734214	.0003958	25.9184395	.0307750	.0000674
13.630	.0733676	.0003949	25.9188564	.0307078	.0000672
13.640	.0733138	.0003941	25.9192704	.0306408	.0000670
13.650	.0732601	.0003932	25.9196815	.0305740	.0000668
13.660	.0732064	.0003923	25.9200897	.0305074	.0000666
13.670	.0731529	.0003915	25.9204950	.0304410	.0000664
13.680	.0730994	.0003906	25.9208975	.0303748	.0000662
13.690	.0730460	.0003898	25.9212971	.0303087	.0000660
13.700	.0729927	.0003889	25.9216939	.0302429	.0000659
13.710	.0729395	.0003880	25.9220879	.0301772	.0000657
13.720	.0728863	.0003872	25.9224791	.0301117	.0000655
13.730	.0728332	.0003864	25.9228675	.0300464	.0000653
13.740	.0727802	.0003855	25.9232532	.0299813	.0000651
13.750	.0727273	.0003847	25.9236362	.0299164	.0000649
13.760	.0726744	.0003838	25.9240165	.0298516	.0000647
13.770	.0726216	.0003830	25.9243941	.0297871	.0000646
13.780	.0725689	.0003822	25.9247690	.0297227	.0000644
13.790	.0725163	.0003813	25.9251413	.0296585	.0000642
13.800	.0724638	.0003805	25.9255109	.0295945	.0000640
13.810	.0724113	.0003797	25.9258780	.0295307	.0000638
13.820	.0723589	.0003789	25.9262424	.0294670	.0000636
13.830	.0723066	.0003780	25.9266042	.0294036	.0000635
13.840	.0722543	.0003772	25.9269635	.0293403	.0000633
13.850	.0722022	.0003764	25.9273202	.0292772	.0000631
13.860	.0721501	.0003756	25.9276744	.0292143	.0000629
13.870	.0720980	.0003748	25.9280261	.0291515	.0000627
13.880	.0720461	.0003740	25.9283753	.0290889	.0000626
13.890	.0719942	.0003732	25.9287221	.0290266	.0000624
13.900	.0719424	.0003724	25.9290663	.0289643	.0000622
13.910	.0718907	.0003716	25.9294081	.0289023	.0000620
13.920	.0718391	.0003708	25.9297475	.0288404	.0000619
13.930	.0717875	.0003700	25.9300845	.0287787	.0000617
13.940	.0717360	.0003692	25.9304191	.0287172	.0000615
13.950	.0716846	.0003684	25.9307513	.0286559	.0000613
13.960	.0716332	.0003676	25.9310812	.0285947	.0000612
13.970	.0715820	.0003668	25.9314087	.0285337	.0000610
13.980	.0715307	.0003660	25.9317339	.0284729	.0000608
13.990	.0714796	.0003652	25.9320567	.0284122	.0000607



# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
14.000	.0714286	.0003644	25.9323773	.0283517	.0000605
14.010	.0713776	.0003637	25.9326956	.0282914	.0000603
14.020	.0713267	.0003629	25.9330116	.0282312	.0000602
14.030	.0712758	.0003621	25.9333254	.0281713	.0000600
14.040	.0712251	.0003613	25.9336369	.0281114	.0000598
14.050	.0711744	.0003606	25.9339462	.0280518	.0000596
14.060	.0711237	.0003598	25.9342533	.0279923	.0000595
14.070	.0710732	.0003590	25.9345583	.0279330	.0000593
14.080	.0710227	.0003583	25.9348610	.0278739	.0000591
14.090	.0709723	.0003575	25.9351616	.0278149	.0000590
14.100	.0709220	.0003567	25.9354600	.0277561	.0000588
14.110	.0708717	.0003560	25.9357564	.0276974	.0000587
14.120	.0708215	.0003552	25.9360506	.0276389	.0000585
14.130	.0707714	.0003545	25.9363426	.0275806	.0000583
14.140	.0707213	.0003537	25.9366327	.0275224	.0000582
14.150	.0706714	.0003530	25.9369206	.0274644	.0000580
14.160	.0706215	.0003522	25.9372065	.0274066	.0000578
14.170	.0705716	.0003515	25.9374903	.0273489	.0000577
14.180	.0705219	.0003507	25.9377721	.0272914	.0000575
14.190	.0704722	.0003500	25.9380519	.0272340	.0000574
14.200	.0704225	.0003492	25.9383297	.0271768	.0000572
14.210	.0703730	.0003485	25.9386055	.0271197	.0000570
14.220	.0703235	.0003478	25.9388793	.0270628	.0000569
14.230	.0702741	.0003470	25.9391512	.0270061	.0000567
14.240	.0702247	.0003463	25.9394211	.0269495	.0000566
14.250	.0701754	.0003456	25.9396891	.0268931	.0000564
14.260	.0701262	.0003449	25.9399551	.0268369	.0000563
14.270	.0700771	.0003441	25.9402193	.0267808	.0000561
14.280	.0700280	.0003434	25.9404815	.0267248	.0000560
14.290	.0699790	.0003427	25.9407419	.0266690	.0000558
14.300	.0699301	.0003420	25.9410004	.0266134	.0000556
14.310	.0698812	.0003413	25.9412571	.0265579	.0000555
14.320	.0698324	.0003405	25.9415119	.0265025	.0000553
14.330	.0697837	.0003398	25.9417649	.0264473	.0000552
14.340	.0697350	.0003391	25.9420160	.0263923	.0000550
14.350	.0696864	.0003384	25.9422654	.0263374	.0000549
14.360	.0696379	.0003377	25.9425130	.0262827	.0000547
14.370	.0695894	.0003370	25.9427588	.0262281	.0000546
14.380	.0695410	.0003363	25.9430028	.0261737	.0000544
14.390	.0694927	.0003356	25.9432450	.0261194	.0000543
14.400	.0694444	.0003349	25.9434856	.0260653	.0000541
14.410	.0693962	.0003342	25.9437244	.0260113	.0000540
14.420	.0693481	.0003335	25.9439614	.0259574	.0000538
14.430	.0693001	.0003328	25.9441968	.0259037	.0000537
14.440	.0692521	.0003321	25.9444305	.0258502	.0000535
14.450	.0692041	.0003314	25.9446625	.0257968	.0000534
14.460	.0691563	.0003307	25.9448928	.0257435	.0000533
14.470	.0691085	.0003301	25.9451214	.0256904	.0000531
14.480	.0690608	.0003294	25.9453484	.0256375	.0000530
14.490	.0690131	.0003287	25.9455738	.0255846	.0000528

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
14.500	.0689655	.0003280	25.9457976	.0255320	.0000527
14.510	.0689180	.0003273	25.9460197	.0254794	.0000525
14.520	.0688705	.0003267	25.9462402	.0254270	.0000524
14.530	.0688231	.0003260	25.9464592	.0253748	.0000522
14.540	.0687758	.0003253	25.9466765	.0253227	.0000521
14.550	.0687285	.0003246	25.9468923	.0252707	.0000520
14.560	.0686813	.0003240	25.9471065	.0252189	.0000518
14.570	.0686342	.0003233	25.9473192	.0251672	.0000517
14.580	.0685871	.0003226	25.9475303	.0251157	.0000515
14.590	.0685401	.0003220	25.9477400	.0250643	.0000514
14.600	.0684931	.0003213	25.9479481	.0250130	.0000513
14.610	.0684463	.0003207	25.9481546	.0249619	.0000511
14.620	.0683994	.0003200	25.9483597	.0249109	.0000510
14.630	.0683527	.0003193	25.9485634	.0248600	.0000509
14.640	.0683060	.0003187	25.9487655	.0248093	.0000507
14.650	.0682594	.0003180	25.9489662	.0247587	.0000506
14.660	.0682128	.0003174	25.9491654	.0247083	.0000504
14.670	.0681663	.0003167	25.9493632	.0246580	.0000503
14.680	.0681199	.0003161	25.9495595	.0246078	.0000502
14.690	.0680735	.0003155	25.9497544	.0245578	.0000500
14.700	.0680272	.0003148	25.9499479	.0245079	.0000499
14.710	.0679810	.0003142	25.9501401	.0244581	.0000498
14.720	.0679348	.0003135	25.9503308	.0244085	.0000496
14.730	.0678887	.0003129	25.9505201	.0243590	.0000495
14.740	.0678426	.0003123	25.9507080	.0243096	.0000494
14.750	.0677966	.0003116	25.9508946	.0242604	.0000492
14.760	.0677507	.0003110	25.9510799	.0242113	.0000491
14.770	.0677048	.0003104	25.9512638	.0241623	.0000490
14.780	.0676590	.0003097	25.9514463	.0241134	.0000488
14.790	.0676132	.0003091	25.9516275	.0240647	.0000487
14.800	.0675676	.0003085	25.9518074	.0240162	.0000486
14.810	.0675219	.0003078	25.9519860	.0239677	.0000485
14.820	.0674764	.0003072	25.9521633	.0239194	.0000483
14.830	.0674309	.0003066	25.9523394	.0238712	.0000482
14.840	.0673854	.0003060	25.9525141	.0238231	.0000481
14.850	.0673401	.0003054	25.9526876	.0237752	.0000479
14.860	.0672947	.0003047	25.9528597	.0237274	.0000478
14.870	.0672495	.0003041	25.9530307	.0236797	.0000477
14.880	.0672043	.0003035	25.9532004	.0236321	.0000476
14.890	.0671592	.0003029	25.9533689	.0235847	.0000474
14.900	.0671141	.0003023	25.9535361	.0235374	.0000473
14.910	.0670691	.0003017	25.9537021	.0234902	.0000472
14.920	.0670241	.0003011	25.9538669	.0234432	.0000471
14.930	.0669792	.0003005	25.9540305	.0233963	.0000469
14.940	.0669344	.0002999	25.9541929	.0233495	.0000468
14.950	.0668896	.0002993	25.9543541	.0233028	.0000467
14.960	.0668449	.0002987	25.9545142	.0232562	.0000466
14.970	.0668003	.0002981	25.9546731	.0232098	.0000464
14.980	.0667557	.0002975	25.9548308	.0231635	.0000463
14.990	.0667111	.0002969	25.9549874	.0231173	.0000462



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
15.000	.0666667	.0002963	25.9551428	.0230712	.0000461
15.010	.0666222	.0002957	25.9552971	.0230253	.0000459
15.020	.0665779	.0002951	25.9554502	.0229795	.0000458
15.030	.0665336	.0002945	25.9556023	.0229338	.0000457
15.040	.0664894	.0002939	25.9557532	.0228882	.0000456
15.050	.0664452	.0002934	25.9559030	.0228427	.0000455
15.060	.0664011	.0002928	25.9560518	.0227974	.0000453
15.070	.0663570	.0002922	25.9561994	.0227521	.0000452
15.080	.0663130	.0002916	25.9563460	.0227070	.0000451
15.090	.0662670	.0002910	25.9564915	.0226621	.0000450
15.100	.0662252	.0002904	25.9566359	.0226172	.0000449
15.110	.0661813	.0002899	25.9567792	.0225724	.0000448
15.120	.0661376	.0002893	25.9569216	.0225278	.0000446
15.130	.0660938	.0002887	25.9570628	.0224833	.0000445
15.140	.0660502	.0002882	25.9572031	.0224389	.0000444
15.150	.0660066	.0002876	25.9573423	.0223946	.0000443
15.160	.0659630	.0002870	25.9574805	.0223504	.0000442
15.170	.0659196	.0002864	25.9576176	.0223064	.0000441
15.180	.0658761	.0002859	25.9577538	.0222624	.0000439
15.190	.0658328	.0002853	25.9578890	.0222186	.0000438
15.200	.0657895	.0002848	25.9580231	.0221749	.0000437
15.210	.0657462	.0002842	25.9581563	.0221313	.0000436
15.220	.0657030	.0002836	25.9582886	.0220878	.0000435
15.230	.0656599	.0002831	25.9584198	.0220445	.0000434
15.240	.0656168	.0002825	25.9585501	.0220012	.0000433
15.250	.0655738	.0002820	25.9586794	.0219581	.0000431
15.260	.0655308	.0002814	25.9588078	.0219150	.0000430
15.270	.0654879	.0002809	25.9589352	.0218721	.0000429
15.280	.0654450	.0002803	25.9590617	.0218293	.0000428
15.290	.0654022	.0002798	25.9591872	.0217866	.0000427
15.300	.0653595	.0002792	25.9593119	.0217440	.0000426
15.310	.0653168	.0002787	25.9594356	.0217015	.0000425
15.320	.0652741	.0002781	25.9595584	.0216592	.0000424
15.330	.0652316	.0002776	25.9596803	.0216169	.0000423
15.340	.0651890	.0002770	25.9598013	.0215748	.0000421
15.350	.0651466	.0002765	25.9599214	.0215327	.0000420
15.360	.0651042	.0002759	25.9600407	.0214908	.0000419
15.370	.0650618	.0002754	25.9601590	.0214490	.0000418
15.380	.0650195	.0002749	25.9602765	.0214073	.0000417
15.390	.0649772	.0002743	25.9603931	.0213657	.0000416
15.400	.0649351	.0002738	25.9605089	.0213242	.0000415
15.410	.0648929	.0002733	25.9606238	.0212828	.0000414
15.420	.0648508	.0002727	25.9607378	.0212415	.0000413
15.430	.0648088	.0002722	25.9608510	.0212003	.0000412
15.440	.0647668	.0002717	25.9609634	.0211592	.0000411
15.450	.0647249	.0002712	25.9610749	.0211183	.0000410
15.460	.0646830	.0002706	25.9611857	.0210774	.0000409
15.470	.0646412	.0002701	25.9612956	.0210366	.0000408
15.480	.0645995	.0002696	25.9614047	.0209960	.0000407
15.490	.0645578	.0002691	25.9615129	.0209554	.0000406

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
15.500	.0645161	.0002685	25.9616204	.0209150	.0000404
15.510	.0644745	.0002680	25.9617271	.0208747	.0000403
15.520	.0644330	.0002675	25.9618330	.0208344	.0000402
15.530	.0643915	.0002670	25.9619381	.0207943	.0000401
15.540	.0643501	.0002665	25.9620425	.0207542	.0000400
15.550	.0643087	.0002660	25.9621461	.0207143	.0000399
15.560	.0642673	.0002654	25.9622489	.0206745	.0000398
15.570	.0642261	.0002649	25.9623509	.0206347	.0000397
15.580	.0641848	.0002644	25.9624522	.0205951	.0000396
15.590	.0641437	.0002639	25.9625527	.0205556	.0000395
15.600	.0641026	.0002634	25.9626525	.0205162	.0000394
15.610	.0640615	.0002629	25.9627516	.0204768	.0000393
15.620	.0640205	.0002624	25.9628499	.0204376	.0000392
15.630	.0639795	.0002619	25.9629475	.0203985	.0000391
15.640	.0639386	.0002614	25.9630444	.0203595	.0000390
15.650	.0638978	.0002609	25.9631405	.0203205	.0000389
15.660	.0638569	.0002604	25.9632359	.0202817	.0000388
15.670	.0638162	.0002599	25.9633307	.0202430	.0000387
15.680	.0637755	.0002594	25.9634247	.0202043	.0000386
15.690	.0637349	.0002589	25.9635180	.0201658	.0000385
15.700	.0636943	.0002584	25.9636107	.0201274	.0000384
15.710	.0636537	.0002579	25.9637026	.0200890	.0000383
15.720	.0636132	.0002574	25.9637939	.0200508	.0000382
15.730	.0635728	.0002569	25.9638844	.0200126	.0000381
15.740	.0635324	.0002564	25.9639744	.0199746	.0000381
15.750	.0634921	.0002560	25.9640636	.0199366	.0000380
15.760	.0634518	.0002555	25.9641522	.0198988	.0000379
15.770	.0634115	.0002550	25.9642401	.0198610	.0000378
15.780	.0633713	.0002545	25.9643274	.0198234	.0000377
15.790	.0633312	.0002540	25.9644140	.0197858	.0000376
15.800	.0632911	.0002535	25.9645000	.0197483	.0000375
15.810	.0632511	.0002530	25.9645853	.0197109	.0000374
15.820	.0632111	.0002526	25.9646700	.0196736	.0000373
15.830	.0631712	.0002521	25.9647541	.0196364	.0000372
15.840	.0631313	.0002516	25.9648375	.0195993	.0000371
15.850	.0630915	.0002511	25.9649204	.0195623	.0000370
15.860	.0630517	.0002507	25.9650026	.0195254	.0000369
15.870	.0630120	.0002502	25.9650842	.0194886	.0000368
15.880	.0629723	.0002497	25.9651651	.0194518	.0000367
15.890	.0629327	.0002492	25.9652455	.0194152	.0000366
15.900	.0628931	.0002488	25.9653253	.0193786	.0000365
15.910	.0628535	.0002483	25.9654045	.0193422	.0000365
15.920	.0628141	.0002478	25.9654831	.0193058	.0000364
15.930	.0627746	.0002474	25.9655611	.0192695	.0000363
15.940	.0627352	.0002469	25.9656385	.0192334	.0000362
15.950	.0626959	.0002464	25.9657154	.0191973	.0000361
15.960	.0626566	.0002460	25.9657917	.0191613	.0000360
15.970	.0626174	.0002455	25.9658674	.0191253	.0000359
15.980	.0625782	.0002451	25.9659425	.0190895	.0000358
15.990	.0625391	.0002446	25.9660171	.0190538	.0000357



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
16.000	.0625000	.0002441	25.9660911	.0190181	.0000356
16.010	.0624610	.0002437	25.9661646	.0189826	.0000356
16.020	.0624220	.0002432	25.9662375	.0189471	.0000355
16.030	.0623830	.0002428	25.9663099	.0189117	.0000354
16.040	.0623441	.0002423	25.9663817	.0188764	.0000353
16.050	.0623053	.0002419	25.9664530	.0188412	.0000352
16.060	.0622665	.0002414	25.9665238	.0188061	.0000351
16.070	.0622277	.0002410	25.9665940	.0187710	.0000350
16.080	.0621890	.0002405	25.9666637	.0187361	.0000349
16.090	.0621504	.0002401	25.9667329	.0187012	.0000349
16.100	.0621118	.0002396	25.9668016	.0186665	.0000348
16.110	.0620732	.0002392	25.9668697	.0186318	.0000347
16.120	.0620347	.0002387	25.9669374	.0185972	.0000346
16.130	.0619963	.0002383	25.9670045	.0185626	.0000345
16.140	.0619579	.0002378	25.9670712	.0185282	.0000345
16.150	.0619195	.0002374	25.9671373	.0184939	.0000343
16.160	.0618812	.0002370	25.9672029	.0184596	.0000343
16.170	.0618429	.0002365	25.9672681	.0184254	.0000342
16.180	.0618047	.0002361	25.9673328	.0183913	.0000341
16.190	.0617665	.0002356	25.9673969	.0183573	.0000340
16.200	.0617284	.0002352	25.9674606	.0183234	.0000339
16.210	.0616903	.0002348	25.9675238	.0182895	.0000338
16.220	.0616523	.0002343	25.9675866	.0182558	.0000338
16.230	.0616143	.0002339	25.9676489	.0182221	.0000337
16.240	.0615763	.0002335	25.9677107	.0181885	.0000336
16.250	.0615385	.0002330	25.9677720	.0181550	.0000335
16.260	.0615006	.0002326	25.9678329	.0181215	.0000334
16.270	.0614628	.0002322	25.9678933	.0180882	.0000334
16.280	.0614251	.0002318	25.9679533	.0180549	.0000333
16.290	.0613873	.0002313	25.9680128	.0180217	.0000332
16.300	.0613497	.0002309	25.9680719	.0179886	.0000331
16.310	.0613121	.0002305	25.9681305	.0179556	.0000330
16.320	.0612745	.0002301	25.9681887	.0179227	.0000329
16.330	.0612370	.0002296	25.9682464	.0178898	.0000329
16.340	.0611995	.0002292	25.9683037	.0178570	.0000328
16.350	.0611621	.0002288	25.9683606	.0178243	.0000327
16.360	.0611247	.0002284	25.9684171	.0177917	.0000326
16.370	.0610873	.0002280	25.9684731	.0177591	.0000325
16.380	.0610501	.0002275	25.9685287	.0177267	.0000325
16.390	.0610128	.0002271	25.9685839	.0176943	.0000324
16.400	.0609756	.0002267	25.9686387	.0176620	.0000323
16.410	.0609384	.0002263	25.9686930	.0176297	.0000322
16.420	.0609013	.0002259	25.9687470	.0175976	.0000322
16.430	.0608643	.0002255	25.9688005	.0175655	.0000321
16.440	.0608272	.0002251	25.9688537	.0175335	.0000320
16.450	.0607903	.0002246	25.9689064	.0175016	.0000319
16.460	.0607533	.0002242	25.9689587	.0174697	.0000318
16.470	.0607164	.0002238	25.9690107	.0174380	.0000318
16.480	.0606796	.0002234	25.9690623	.0174063	.0000317
16.490	.0606428	.0002230	25.9691134	.0173747	.0000316

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
16.500	.0606061	.0002226	25.9691642	.0173431	.0000315
16.510	.0605693	.0002222	25.9692146	.0173117	.0000315
16.520	.0605327	.0002218	25.9692646	.0172803	.0000314
16.530	.0604961	.0002214	25.9693143	.0172490	.0000313
16.540	.0604595	.0002210	25.9693635	.0172177	.0000312
16.550	.0604230	.0002206	25.9694124	.0171866	.0000312
16.560	.0603865	.0002202	25.9694609	.0171555	.0000311
16.570	.0603500	.0002198	25.9695091	.0171245	.0000310
16.580	.0603136	.0002194	25.9695569	.0170935	.0000309
16.590	.0602773	.0002190	25.9696043	.0170627	.0000309
16.600	.0602410	.0002186	25.9696514	.0170319	.0000308
16.610	.0602047	.0002182	25.9696981	.0170012	.0000307
16.620	.0601685	.0002178	25.9697445	.0169705	.0000306
16.630	.0601323	.0002174	25.9697905	.0169400	.0000306
16.640	.0600961	.0002170	25.9698361	.0169095	.0000305
16.650	.0600601	.0002166	25.9698815	.0168791	.0000304
16.660	.0600240	.0002163	25.9699264	.0168487	.0000303
16.670	.0599880	.0002159	25.9699711	.0168184	.0000303
16.680	.0599520	.0002155	25.9700154	.0167882	.0000302
16.690	.0599161	.0002151	25.9700593	.0167581	.0000301
16.700	.0598802	.0002147	25.9701030	.0167281	.0000301
16.710	.0598444	.0002143	25.9701463	.0166981	.0000300
16.720	.0598086	.0002139	25.9701892	.0166682	.0000299
16.730	.0597729	.0002136	25.9702319	.0166383	.0000298
16.740	.0597372	.0002132	25.9702742	.0166085	.0000298
16.750	.0597015	.0002128	25.9703162	.0165788	.0000297
16.760	.0596659	.0002124	25.9703579	.0165492	.0000296
16.770	.0596303	.0002120	25.9703992	.0165196	.0000296
16.780	.0595947	.0002117	25.9704403	.0164901	.0000295
16.790	.0595593	.0002113	25.9704810	.0164607	.0000294
16.800	.0595238	.0002109	25.9705215	.0164314	.0000294
16.810	.0594884	.0002105	25.9705616	.0164021	.0000293
16.820	.0594530	.0002101	25.9706014	.0163729	.0000292
16.830	.0594177	.0002098	25.9706409	.0163437	.0000291
16.840	.0593824	.0002094	25.9706802	.0163147	.0000291
16.850	.0593472	.0002090	25.9707191	.0162857	.0000290
16.860	.0593120	.0002087	25.9707577	.0162567	.0000289
16.870	.0592768	.0002083	25.9707960	.0162279	.0000289
16.880	.0592417	.0002079	25.9708341	.0161991	.0000288
16.890	.0592066	.0002075	25.9708718	.0161703	.0000287
16.900	.0591716	.0002072	25.9709093	.0161417	.0000287
16.910	.0591366	.0002068	25.9709465	.0161131	.0000286
16.920	.0591016	.0002064	25.9709834	.0160845	.0000285
16.930	.0590667	.0002061	25.9710200	.0160561	.0000285
16.940	.0590319	.0002057	25.9710563	.0160277	.0000284
16.950	.0589970	.0002053	25.9710924	.0159993	.0000283
16.960	.0589623	.0002050	25.9711282	.0159711	.0000283
16.970	.0589275	.0002046	25.9711637	.0159429	.0000282
16.980	.0588928	.0002043	25.9711989	.0159148	.0000281
16.990	.0588581	.0002039	25.9712339	.0158867	.0000281



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
17.000	.0588235	.0002035	25.9712686	.0158587	.0000280
17.010	.0587889	.0002032	25.9713030	.0158308	.0000279
17.020	.0587544	.0002028	25.9713372	.0158029	.0000279
17.030	.0587199	.0002025	25.9713711	.0157751	.0000278
17.040	.0586854	.0002021	25.9714048	.0157474	.0000277
17.050	.0586510	.0002018	25.9714382	.0157197	.0000277
17.060	.0586166	.0002014	25.9714714	.0156921	.0000276
17.070	.0585823	.0002010	25.9715043	.0156645	.0000275
17.080	.0585480	.0002007	25.9715369	.0156371	.0000275
17.090	.0585137	.0002003	25.9715693	.0156097	.0000274
17.100	.0584795	.0002000	25.9716014	.0155823	.0000274
17.110	.0584453	.0001996	25.9716334	.0155550	.0000273
17.120	.0584112	.0001993	25.9716650	.0155278	.0000272
17.130	.0583771	.0001989	25.9716964	.0155006	.0000272
17.140	.0583431	.0001986	25.9717276	.0154735	.0000271
17.150	.0583090	.0001982	25.9717586	.0154465	.0000270
17.160	.0582751	.0001979	25.9717893	.0154195	.0000270
17.170	.0582411	.0001976	25.9718197	.0153926	.0000269
17.180	.0582072	.0001972	25.9718500	.0153658	.0000268
17.190	.0581734	.0001969	25.9718800	.0153390	.0000268
17.200	.0581395	.0001965	25.9719098	.0153123	.0000267
17.210	.0581057	.0001962	25.9719393	.0152856	.0000267
17.220	.0580720	.0001958	25.9719686	.0152590	.0000266
17.230	.0580383	.0001955	25.9719977	.0152325	.0000265
17.240	.0580046	.0001952	25.9720266	.0152060	.0000265
17.250	.0579710	.0001948	25.9720553	.0151796	.0000264
17.260	.0579374	.0001945	25.9720837	.0151532	.0000264
17.270	.0579039	.0001941	25.9721119	.0151270	.0000263
17.280	.0578704	.0001938	25.9721399	.0151007	.0000262
17.290	.0578369	.0001935	25.9721677	.0150746	.0000262
17.300	.0578035	.0001931	25.9721953	.0150484	.0000261
17.310	.0577701	.0001928	25.9722227	.0150224	.0000260
17.320	.0577367	.0001925	25.9722498	.0149964	.0000260
17.330	.0577034	.0001921	25.9722768	.0149705	.0000259
17.340	.0576701	.0001918	25.9723035	.0149446	.0000259
17.350	.0576369	.0001915	25.9723300	.0149188	.0000258
17.360	.0576037	.0001911	25.9723564	.0148930	.0000258
17.370	.0575705	.0001908	25.9723825	.0148673	.0000257
17.380	.0575374	.0001905	25.9724084	.0148417	.0000256
17.390	.0575043	.0001902	25.9724342	.0148161	.0000256
17.400	.0574713	.0001898	25.9724597	.0147906	.0000255
17.410	.0574383	.0001895	25.9724850	.0147652	.0000255
17.420	.0574053	.0001892	25.9725102	.0147398	.0000254
17.430	.0573723	.0001888	25.9725351	.0147144	.0000253
17.440	.0573394	.0001885	25.9725599	.0146891	.0000253
17.450	.0573066	.0001882	25.9725845	.0146639	.0000252
17.460	.0572738	.0001879	25.9726088	.0146388	.0000252
17.470	.0572410	.0001876	25.9726330	.0146136	.0000251
17.480	.0572082	.0001872	25.9726570	.0145886	.0000251
17.490	.0571755	.0001869	25.9726809	.0145636	.0000250

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
17.500	.05711429	.0001866	25.9727045	.0145387	.0000249
17.510	.05711102	.0001863	25.9727280	.0145138	.0000249
17.520	.05707776	.0001860	25.9727512	.0144889	.0000248
17.530	.0570451	.0001856	25.9727743	.0144642	.0000248
17.540	.0570125	.0001853	25.9727973	.0144395	.0000247
17.550	.0569801	.0001850	25.9728200	.0144148	.0000247
17.560	.0569476	.0001847	25.9728426	.0143902	.0000246
17.570	.0569152	.0001844	25.9728650	.0143657	.0000245
17.580	.0568828	.0001841	25.9728872	.0143412	.0000245
17.590	.0568505	.0001837	25.9729093	.0143167	.0000244
17.600	.0568182	.0001834	25.9729311	.0142924	.0000244
17.610	.0567859	.0001831	25.9729529	.0142680	.0000243
17.620	.0567537	.0001828	25.9729744	.0142438	.0000243
17.630	.0567215	.0001825	25.9729958	.0142196	.0000242
17.640	.0566893	.0001822	25.9730170	.0141954	.0000242
17.650	.0566572	.0001819	25.9730381	.0141713	.0000241
17.660	.0566251	.0001816	25.9730589	.0141473	.0000240
17.670	.0565931	.0001813	25.9730797	.0141233	.0000240
17.680	.0565611	.0001809	25.9731002	.0140993	.0000239
17.690	.0565291	.0001806	25.9731207	.0140754	.0000239
17.700	.0564972	.0001803	25.9731409	.0140516	.0000238
17.710	.0564653	.0001800	25.9731610	.0140278	.0000238
17.720	.0564334	.0001797	25.9731810	.0140041	.0000237
17.730	.0564016	.0001794	25.9732008	.0139804	.0000237
17.740	.0563698	.0001791	25.9732204	.0139568	.0000236
17.750	.0563380	.0001788	25.9732399	.0139332	.0000236
17.760	.0563063	.0001785	25.9732592	.0139097	.0000235
17.770	.0562746	.0001782	25.9732784	.0138863	.0000235
17.780	.0562430	.0001779	25.9732974	.0138629	.0000234
17.790	.0562114	.0001776	25.9733163	.0138395	.0000234
17.800	.0561798	.0001773	25.9733351	.0138162	.0000233
17.810	.0561482	.0001770	25.9733537	.0137930	.0000232
17.820	.0561167	.0001767	25.9733721	.0137698	.0000232
17.830	.0560852	.0001764	25.9733904	.0137466	.0000231
17.840	.0560538	.0001761	25.9734086	.0137235	.0000231
17.850	.0560224	.0001758	25.9734267	.0137005	.0000230
17.860	.0559910	.0001755	25.9734445	.0136775	.0000230
17.870	.0559597	.0001752	25.9734623	.0136546	.0000229
17.880	.0559284	.0001749	25.9734799	.0136317	.0000229
17.890	.0558971	.0001747	25.9734974	.0136088	.0000228
17.900	.0558659	.0001744	25.9735147	.0135860	.0000228
17.910	.0558347	.0001741	25.9735320	.0135633	.0000227
17.920	.0558036	.0001738	25.9735490	.0135406	.0000227
17.930	.0557724	.0001735	25.9735660	.0135180	.0000226
17.940	.0557414	.0001732	25.9735828	.0134954	.0000226
17.950	.0557103	.0001729	25.9735995	.0134729	.0000225
17.960	.0556793	.0001726	25.9736160	.0134504	.0000225
17.970	.0556483	.0001723	25.9736325	.0134280	.0000224
17.980	.0556174	.0001720	25.9736488	.0134056	.0000224
17.990	.0555864	.0001718	25.9736649	.0133832	.0000223



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
18.000	.0555556	.0001715	25.9736810	.01333609	.0000223
18.010	.05555247	.0001712	25.9736969	.01333387	.0000222
18.020	.05554939	.0001709	25.9737127	.01333165	.0000222
18.030	.05554631	.0001706	25.9737284	.01332944	.0000221
18.040	.05554324	.0001703	25.9737440	.01332723	.0000221
18.050	.05554017	.0001700	25.9737594	.01332503	.0000220
18.060	.05553710	.0001698	25.9737747	.01332283	.0000220
18.070	.05553403	.0001695	25.9737899	.01332063	.0000219
18.080	.05553097	.0001692	25.9738050	.01331844	.0000219
18.090	.05552792	.0001689	25.9738200	.01331626	.0000218
18.100	.05552486	.0001686	25.9738348	.01331408	.0000218
18.110	.05552181	.0001684	25.9738495	.01331190	.0000217
18.120	.05551876	.0001681	25.9738642	.01330973	.0000217
18.130	.05551572	.0001678	25.9738787	.01330757	.0000217
18.140	.05551268	.0001675	25.9738931	.01330541	.0000216
18.150	.05550964	.0001673	25.9739073	.01330325	.0000216
18.160	.05550661	.0001670	25.9739215	.01330110	.0000215
18.170	.05550358	.0001667	25.9739356	.0129896	.0000215
18.180	.05550055	.0001664	25.9739495	.01299681	.0000214
18.190	.0549753	.0001662	25.9739634	.0129468	.0000214
18.200	.0549451	.0001659	25.9739771	.0129254	.0000213
18.210	.0549149	.0001656	25.9739907	.0129042	.0000213
18.220	.0548847	.0001653	25.9740042	.0128829	.0000212
18.230	.0548546	.0001651	25.9740176	.0128618	.0000212
18.240	.0548246	.0001648	25.9740310	.0128406	.0000211
18.250	.0547945	.0001645	25.9740442	.0128195	.0000211
18.260	.0547645	.0001642	25.9740573	.0127985	.0000210
18.270	.0547345	.0001640	25.9740703	.0127775	.0000210
18.280	.0547046	.0001637	25.9740832	.0127565	.0000210
18.290	.0546747	.0001634	25.9740960	.0127356	.0000209
18.300	.0546448	.0001632	25.9741087	.0127148	.0000209
18.310	.0546150	.0001629	25.9741213	.0126940	.0000208
18.320	.0545852	.0001626	25.9741338	.0126732	.0000208
18.330	.0545554	.0001624	25.9741462	.0126525	.0000207
18.340	.0545256	.0001621	25.9741585	.0126318	.0000207
18.350	.0544959	.0001618	25.9741707	.0126112	.0000206
18.360	.0544662	.0001616	25.9741829	.0125906	.0000206
18.370	.0544366	.0001613	25.9741949	.0125700	.0000205
18.380	.0544070	.0001611	25.9742068	.0125495	.0000205
18.390	.0543774	.0001608	25.9742186	.0125291	.0000205
18.400	.0543478	.0001605	25.9742304	.0125087	.0000204
18.410	.0543183	.0001603	25.9742421	.0124883	.0000204
18.420	.0542888	.0001600	25.9742536	.0124680	.0000203
18.430	.0542594	.0001597	25.9742651	.0124477	.0000203
18.440	.0542299	.0001595	25.9742765	.0124275	.0000202
18.450	.0542005	.0001592	25.9742878	.0124073	.0000202
18.460	.0541712	.0001590	25.9742990	.0123871	.0000201
18.470	.0541419	.0001587	25.9743101	.0123670	.0000201
18.480	.0541126	.0001585	25.9743211	.0123469	.0000201
18.490	.0540833	.0001582	25.9743321	.0123269	.0000200



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
18.500	.0540541	.0001579	25.9743429	.0123070	.CC00200
18.510	.0540249	.0001577	25.9743537	.0122870	.CC00199
18.520	.0539957	.0001574	25.9743644	.0122671	.0000199
18.530	.0539665	.0001572	25.9743750	.0122473	.CC00198
18.540	.0539374	.0001569	25.9743856	.0122275	.CC00198
18.550	.0539084	.0001567	25.9743960	.0122077	.CC00198
18.560	.0538793	.0001564	25.9744064	.0121880	.0000197
18.570	.0538503	.0001562	25.9744166	.0121683	.CC00197
18.580	.0538213	.0001559	25.9744268	.0121487	.CC00196
18.590	.0537924	.0001557	25.9744370	.0121291	.CC00196
18.600	.0537634	.0001554	25.9744470	.0121096	.0000195
18.610	.0537346	.0001552	25.9744570	.0120901	.CC00195
18.620	.0537057	.0001549	25.9744669	.0120706	.CC00195
18.630	.0536769	.0001547	25.9744767	.0120512	.CC00194
18.640	.0536481	.0001544	25.9744864	.0120318	.0000194
18.650	.0536193	.0001542	25.9744961	.0120125	.CC00193
18.660	.0535906	.0001539	25.9745056	.0119932	.CC00193
18.670	.0535619	.0001537	25.9745151	.0119739	.0000193
18.680	.0535332	.0001534	25.9745246	.0119547	.0000192
18.690	.0535046	.0001532	25.9745339	.0119355	.CC00192
18.700	.0534759	.0001529	25.9745432	.0119164	.CC00191
18.710	.0534474	.0001527	25.9745524	.0118973	.0000191
18.720	.0534188	.0001524	25.9745616	.0118782	.0000191
18.730	.0533903	.0001522	25.9745706	.0118592	.CC00190
18.740	.0533618	.0001519	25.9745796	.0118403	.CC00190
18.750	.0533333	.0001517	25.9745886	.0118213	.0000189
18.760	.0533049	.0001515	25.9745974	.0118024	.0000189
18.770	.0532765	.0001512	25.9746062	.0117836	.CC00188
18.780	.0532481	.0001510	25.9746149	.0117648	.0000188
18.790	.0532198	.0001507	25.9746236	.0117460	.0000188
18.800	.0531915	.0001505	25.9746322	.0117273	.0000187
18.810	.0531632	.0001503	25.9746407	.0117086	.CC00187
18.820	.0531350	.0001500	25.9746491	.0116899	.CC00187
18.830	.0531067	.0001498	25.9746575	.0116713	.0000186
18.840	.0530786	.0001495	25.9746658	.0116528	.CC00186
18.850	.0530504	.0001493	25.9746741	.0116342	.CC00185
18.860	.0530223	.0001491	25.9746822	.0116157	.CC00185
18.870	.0529942	.0001488	25.9746904	.0115973	.CC00185
18.880	.0529661	.0001486	25.9746984	.0115789	.CC00184
18.890	.0529381	.0001484	25.9747064	.0115605	.0000184
18.900	.0529101	.0001481	25.9747144	.0115422	.CC00183
18.910	.0528821	.0001479	25.9747222	.0115239	.CC00183
18.920	.0528541	.0001477	25.9747300	.0115056	.CC00183
18.930	.0528262	.0001474	25.9747378	.0114874	.CC00182
18.940	.0527983	.0001472	25.9747455	.0114692	.0000182
18.950	.0527705	.0001470	25.9747531	.0114510	.0000181
18.960	.0527426	.0001467	25.9747607	.0114329	.CC00181
18.970	.0527148	.0001465	25.9747682	.0114149	.CC00181
18.980	.0526870	.0001463	25.9747756	.0113968	.0000180
18.990	.0526593	.0001460	25.9747830	.0113789	.CC00180

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL (C/3R)
19.000	.0526316	.0001458	25.9747903	.0113609	.0000180
19.010	.0526039	.0001456	25.9747976	.0113430	.0000179
19.020	.0525762	.0001453	25.9748048	.0113251	.0000179
19.030	.0525486	.0001451	25.9748120	.0113073	.0000178
19.040	.0525210	.0001449	25.9748191	.0112895	.0000178
19.050	.0524934	.0001446	25.9748261	.0112717	.0000178
19.060	.0524659	.0001444	25.9748331	.0112540	.0000177
19.070	.0524384	.0001442	25.9748400	.0112363	.0000177
19.080	.0524109	.0001440	25.9748469	.0112186	.0000177
19.090	.0523835	.0001437	25.9748538	.0112010	.0000176
19.100	.0523560	.0001435	25.9748605	.0111834	.0000176
19.110	.0523286	.0001433	25.9748672	.0111659	.0000175
19.120	.0523013	.0001431	25.9748739	.0111484	.0000175
19.130	.0522739	.0001428	25.9748805	.0111309	.0000175
19.140	.0522466	.0001426	25.9748871	.0111135	.0000174
19.150	.0522193	.0001424	25.9748936	.0110961	.0000174
19.160	.0521921	.0001422	25.9749001	.0110787	.0000174
19.170	.0521648	.0001419	25.9749065	.0110614	.0000173
19.180	.0521376	.0001417	25.9749128	.0110441	.0000173
19.190	.0521105	.0001415	25.9749191	.0110268	.0000173
19.200	.0520833	.0001413	25.9749254	.0110096	.0000172
19.210	.0520562	.0001411	25.9749316	.0109924	.0000172
19.220	.0520291	.0001408	25.9749378	.0109753	.0000171
19.230	.0520021	.0001406	25.9749439	.0109582	.0000171
19.240	.0519751	.0001404	25.9749499	.0109411	.0000171
19.250	.0519481	.0001402	25.9749560	.0109241	.0000170
19.260	.0519211	.0001400	25.9749619	.0109071	.0000170
19.270	.0518941	.0001398	25.9749678	.0108901	.0000170
19.280	.0518672	.0001395	25.9749737	.0108732	.0000169
19.290	.0518403	.0001393	25.9749795	.0108563	.0000169
19.300	.0518135	.0001391	25.9749853	.0108394	.0000169
19.310	.0517866	.0001389	25.9749911	.0108226	.0000168
19.320	.0517598	.0001387	25.9749968	.0108058	.0000168
19.330	.0517331	.0001385	25.9750024	.0107890	.0000168
19.340	.0517063	.0001382	25.9750080	.0107723	.0000167
19.350	.0516796	.0001380	25.9750136	.0107556	.0000167
19.360	.0516529	.0001378	25.9750191	.0107389	.0000167
19.370	.0516262	.0001376	25.9750245	.0107223	.0000166
19.380	.0515996	.0001374	25.9750300	.0107057	.0000166
19.390	.0515730	.0001372	25.9750353	.0106892	.0000166
19.400	.0515464	.0001370	25.9750407	.0106727	.0000165
19.410	.0515198	.0001367	25.9750460	.0106562	.0000165
19.420	.0514933	.0001365	25.9750512	.0106397	.0000165
19.430	.0514668	.0001363	25.9750565	.0106233	.0000164
19.440	.0514403	.0001361	25.9750616	.0106069	.0000164
19.450	.0514139	.0001359	25.9750668	.0105906	.0000163
19.460	.0513875	.0001357	25.9750719	.0105743	.0000163
19.470	.0513611	.0001355	25.9750769	.0105580	.0000163
19.480	.0513347	.0001353	25.9750819	.0105417	.0000162
19.490	.0513084	.0001351	25.9750869	.0105255	.0000162



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
19.500	.0512821	.0001349	25.9750918	.0105093	.0000162
19.510	.0512558	.0001347	25.9750967	.0104932	.0000161
19.520	.0512295	.0001344	25.9751016	.0104771	.0000161
19.530	.0512033	.0001342	25.9751064	.0104610	.0000161
19.540	.0511771	.0001340	25.9751112	.0104449	.0000161
19.550	.0511509	.0001338	25.9751159	.0104289	.0000160
19.560	.0511248	.0001336	25.9751206	.0104129	.0000160
19.570	.0510986	.0001334	25.9751253	.0103970	.0000160
19.580	.0510725	.0001332	25.9751299	.0103810	.0000159
19.590	.0510465	.0001330	25.9751345	.0103652	.0000159
19.600	.0510204	.0001328	25.9751391	.0103493	.0000159
19.610	.0509944	.0001326	25.9751436	.0103335	.0000158
19.620	.0509684	.0001324	25.9751481	.0103177	.0000158
19.630	.0509424	.0001322	25.9751525	.0103019	.0000158
19.640	.0509165	.0001320	25.9751569	.0102862	.0000157
19.650	.0508906	.0001318	25.9751613	.0102705	.0000157
19.660	.0508647	.0001316	25.9751656	.0102548	.0000157
19.670	.0508388	.0001314	25.9751699	.0102392	.0000156
19.680	.0508130	.0001312	25.9751742	.0102236	.0000156
19.690	.0507872	.0001310	25.9751785	.0102081	.0000156
19.700	.0507614	.0001308	25.9751827	.0101925	.0000155
19.710	.0507357	.0001306	25.9751868	.0101770	.0000155
19.720	.0507099	.0001304	25.9751910	.0101615	.0000155
19.730	.0506842	.0001302	25.9751951	.0101461	.0000154
19.740	.0506586	.0001300	25.9751992	.0101307	.0000154
19.750	.0506329	.0001298	25.9752032	.0101153	.0000154
19.760	.0506073	.0001296	25.9752072	.0101000	.0000153
19.770	.0505817	.0001294	25.9752112	.0100846	.0000153
19.780	.0505561	.0001292	25.9752151	.0100694	.0000153
19.790	.0505306	.0001290	25.9752191	.0100541	.0000153
19.800	.0505051	.0001288	25.9752229	.0100389	.0000152
19.810	.0504796	.0001286	25.9752268	.0100237	.0000152
19.820	.0504541	.0001284	25.9752306	.0100085	.0000152
19.830	.0504287	.0001282	25.9752344	.0099934	.0000151
19.840	.0504032	.0001280	25.9752382	.0099783	.0000151
19.850	.0503778	.0001279	25.9752419	.0099632	.0000151
19.860	.0503525	.0001277	25.9752456	.0099482	.0000150
19.870	.0503271	.0001275	25.9752493	.0099332	.0000150
19.880	.0503018	.0001273	25.9752529	.0099182	.0000150
19.890	.0502765	.0001271	25.9752565	.0099032	.0000150
19.900	.0502513	.0001269	25.9752601	.0098883	.0000149
19.910	.0502260	.0001267	25.9752637	.0098734	.0000149
19.920	.0502008	.0001265	25.9752672	.0098586	.0000149
19.930	.0501756	.0001263	25.9752707	.0098437	.0000148
19.940	.0501505	.0001261	25.9752742	.0098289	.0000148
19.950	.0501253	.0001259	25.9752776	.0098142	.0000148
19.960	.0501002	.0001258	25.9752811	.0097994	.0000147
19.970	.0500751	.0001256	25.9752845	.0097847	.0000147
19.980	.0500501	.0001254	25.9752878	.0097700	.0000147
19.990	.0500250	.0001252	25.9752912	.0097554	.0000147



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
20.000	.0500000	.0001250	25.9752945	.0097407	.0000146
20.010	.0499750	.0001248	25.9752978	.0097261	.0000146
20.020	.0499501	.0001246	25.9753010	.0097116	.0000146
20.030	.0499251	.0001244	25.9753042	.0096970	.0000145
20.040	.0499002	.0001243	25.9753074	.0096825	.0000145
20.050	.0498753	.0001241	25.9753106	.0096681	.0000145
20.060	.0498505	.0001239	25.9753138	.0096536	.0000145
20.070	.0498256	.0001237	25.9753169	.0096392	.0000144
20.080	.0498008	.0001235	25.9753200	.0096248	.0000144
20.090	.0497760	.0001233	25.9753231	.0096104	.0000144
20.100	.0497513	.0001231	25.9753262	.0095961	.0000143
20.110	.0497265	.0001230	25.9753292	.0095818	.0000143
20.120	.0497018	.0001228	25.9753322	.0095675	.0000143
20.130	.0496771	.0001226	25.9753352	.0095533	.0000143
20.140	.0496524	.0001224	25.9753381	.0095390	.0000142
20.150	.0496278	.0001222	25.9753411	.0095248	.0000142
20.160	.0496032	.0001220	25.9753440	.0095107	.0000142
20.170	.0495786	.0001219	25.9753469	.0094965	.0000141
20.180	.0495540	.0001217	25.9753497	.0094824	.0000141
20.190	.0495295	.0001215	25.9753526	.0094683	.0000141
20.200	.0495050	.0001213	25.9753554	.0094543	.0000141
20.210	.0494805	.0001211	25.9753582	.0094403	.0000140
20.220	.0494560	.0001210	25.9753610	.0094263	.0000140
20.230	.0494315	.0001208	25.9753637	.0094123	.0000140
20.240	.0494071	.0001206	25.9753665	.0093984	.0000139
20.250	.0493827	.0001204	25.9753692	.0093844	.0000139
20.260	.0493584	.0001202	25.9753719	.0093705	.0000139
20.270	.0493340	.0001201	25.9753745	.0093567	.0000139
20.280	.0493097	.0001199	25.9753772	.0093429	.0000138
20.290	.0492854	.0001197	25.9753798	.0093290	.0000138
20.300	.0492611	.0001195	25.9753824	.0093153	.0000138
20.310	.0492368	.0001194	25.9753850	.0093015	.0000138
20.320	.0492126	.0001192	25.9753876	.0092878	.0000137
20.330	.0491884	.0001190	25.9753901	.0092741	.0000137
20.340	.0491642	.0001188	25.9753926	.0092604	.0000137
20.350	.0491401	.0001187	25.9753951	.0092468	.0000136
20.360	.0491159	.0001185	25.9753976	.0092332	.0000136
20.370	.0490918	.0001183	25.9754001	.0092196	.0000136
20.380	.0490677	.0001181	25.9754025	.0092060	.0000136
20.390	.0490437	.0001180	25.9754049	.0091925	.0000135
20.400	.0490196	.0001178	25.9754073	.0091790	.0000135
20.410	.0489956	.0001176	25.9754097	.0091655	.0000135
20.420	.0489716	.0001174	25.9754121	.0091520	.0000135
20.430	.0489476	.0001173	25.9754144	.0091386	.0000134
20.440	.0489237	.0001171	25.9754167	.0091252	.0000134
20.450	.0488998	.0001169	25.9754191	.0091118	.0000134
20.460	.0488759	.0001168	25.9754213	.0090984	.0000134
20.470	.0488520	.0001166	25.9754236	.0090851	.0000133
20.480	.0488281	.0001164	25.9754259	.0090718	.0000133
20.490	.0488043	.0001162	25.9754281	.0090585	.0000133

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL (C/3R)
20.500	.0487805	.0001161	25.9754303	.0090453	.0000132
20.510	.0487567	.0001159	25.9754325	.0090321	.0000132
20.520	.0487330	.0001157	25.9754347	.0090189	.0000132
20.530	.0487092	.0001156	25.9754369	.0090057	.0000132
20.540	.0486855	.0001154	25.9754390	.0089926	.0000131
20.550	.0486618	.0001152	25.9754411	.0089794	.0000131
20.560	.0486381	.0001151	25.9754432	.0089663	.0000131
20.570	.0486145	.0001149	25.9754453	.0089533	.0000131
20.580	.0485909	.0001147	25.9754474	.0089402	.0000130
20.590	.0485673	.0001146	25.9754495	.0089272	.0000130
20.600	.0485437	.0001144	25.9754515	.0089142	.0000130
20.610	.0485201	.0001142	25.9754536	.0089012	.0000130
20.620	.0484966	.0001141	25.9754556	.0088883	.0000129
20.630	.0484731	.0001139	25.9754576	.0088754	.0000129
20.640	.0484496	.0001137	25.9754595	.0088625	.0000129
20.650	.0484262	.0001136	25.9754615	.0088496	.0000129
20.660	.0484027	.0001134	25.9754635	.0088368	.0000128
20.670	.0483793	.0001132	25.9754654	.0088240	.0000128
20.680	.0483559	.0001131	25.9754673	.0088112	.0000128
20.690	.0483325	.0001129	25.9754692	.0087984	.0000128
20.700	.0483092	.0001127	25.9754711	.0087857	.0000127
20.710	.0482859	.0001126	25.9754730	.0087729	.0000127
20.720	.0482626	.0001124	25.9754748	.0087602	.0000127
20.730	.0482393	.0001123	25.9754767	.0087476	.0000127
20.740	.0482160	.0001121	25.9754785	.0087349	.0000126
20.750	.0481928	.0001119	25.9754803	.0087223	.0000126
20.760	.0481696	.0001118	25.9754821	.0087097	.0000126
20.770	.0481464	.0001116	25.9754839	.0086971	.0000126
20.780	.0481232	.0001114	25.9754857	.0086846	.0000125
20.790	.0481001	.0001113	25.9754874	.0086721	.0000125
20.800	.0480769	.0001111	25.9754891	.0086595	.0000125
20.810	.0480538	.0001110	25.9754909	.0086471	.0000125
20.820	.0480308	.0001108	25.9754926	.0086346	.0000125
20.830	.0480077	.0001106	25.9754943	.0086222	.0000124
20.840	.0479847	.0001105	25.9754960	.0086098	.0000124
20.850	.0479616	.0001103	25.9754976	.0085974	.0000124
20.860	.0479387	.0001102	25.9754993	.0085850	.0000124
20.870	.0479157	.0001100	25.9755009	.0085727	.0000123
20.880	.0478927	.0001099	25.9755026	.0085604	.0000123
20.890	.0478698	.0001097	25.9755042	.0085481	.0000123
20.900	.0478469	.0001095	25.9755058	.0085358	.0000123
20.910	.0478240	.0001094	25.9755074	.0085236	.0000122
20.920	.0478012	.0001092	25.9755090	.0085114	.0000122
20.930	.0477783	.0001091	25.9755105	.0084992	.0000122
20.940	.0477555	.0001089	25.9755121	.0084870	.0000122
20.950	.0477327	.0001088	25.9755136	.0084749	.0000121
20.960	.0477099	.0001086	25.9755152	.0084628	.0000121
20.970	.0476872	.0001084	25.9755167	.0084507	.0000121
20.980	.0476645	.0001083	25.9755182	.0084386	.0000121
20.990	.0476417	.0001081	25.9755197	.0084265	.0000121



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
21.000	.0476191	.0001080	25.9755212	.0084145	.0000120
21.010	.0475964	.0001078	25.9755226	.0084025	.0000120
21.020	.0475738	.0001077	25.9755241	.0083905	.0000120
21.030	.0475511	.0001075	25.9755255	.0083785	.0000120
21.040	.0475285	.0001074	25.9755270	.0083666	.0000119
21.050	.0475060	.0001072	25.9755284	.0083547	.0000119
21.060	.0474834	.0001071	25.9755298	.0083428	.0000119
21.070	.0474609	.0001069	25.9755312	.0083309	.0000119
21.080	.0474383	.0001068	25.9755326	.0083191	.0000119
21.090	.0474158	.0001066	25.9755340	.0083072	.0000118
21.100	.0473934	.0001065	25.9755353	.0082954	.0000118
21.110	.0473709	.0001063	25.9755367	.0082836	.0000118
21.120	.0473485	.0001061	25.9755380	.0082719	.0000118
21.130	.0473261	.0001060	25.9755394	.0082601	.0000117
21.140	.0473037	.0001058	25.9755407	.0082484	.0000117
21.150	.0472813	.0001057	25.9755420	.0082367	.0000117
21.160	.0472590	.0001055	25.9755433	.0082251	.0000117
21.170	.0472367	.0001054	25.9755446	.0082134	.0000116
21.180	.0472144	.0001053	25.9755459	.0082018	.0000116
21.190	.0471921	.0001051	25.9755471	.0081902	.0000116
21.200	.0471698	.0001050	25.9755484	.0081786	.0000116
21.210	.0471476	.0001048	25.9755496	.0081670	.0000116
21.220	.0471254	.0001047	25.9755509	.0081555	.0000115
21.230	.0471032	.0001045	25.9755521	.0081440	.0000115
21.240	.0470810	.0001044	25.9755533	.0081325	.0000115
21.250	.0470588	.0001042	25.9755545	.0081210	.0000115
21.260	.0470367	.0001041	25.9755557	.0081095	.0000115
21.270	.0470146	.0001039	25.9755569	.0080981	.0000114
21.280	.0469925	.0001038	25.9755581	.0080867	.0000114
21.290	.0469704	.0001036	25.9755593	.0080753	.0000114
21.300	.0469484	.0001035	25.9755604	.0080639	.0000114
21.310	.0469263	.0001033	25.9755616	.0080526	.0000113
21.320	.0469043	.0001032	25.9755627	.0080413	.0000113
21.330	.0468823	.0001030	25.9755639	.0080300	.0000113
21.340	.0468604	.0001029	25.9755650	.0080187	.0000113
21.350	.0468384	.0001028	25.9755661	.0080074	.0000113
21.360	.0468165	.0001026	25.9755672	.0079962	.0000112
21.370	.0467946	.0001025	25.9755683	.0079850	.0000112
21.380	.0467727	.0001023	25.9755694	.0079738	.0000112
21.390	.0467508	.0001022	25.9755705	.0079626	.0000112
21.400	.0467290	.0001020	25.9755715	.0079514	.0000112
21.410	.0467072	.0001019	25.9755726	.0079403	.0000111
21.420	.0466854	.0001018	25.9755736	.0079292	.0000111
21.430	.0466636	.0001016	25.9755747	.0079181	.0000111
21.440	.0466418	.0001015	25.9755757	.0079070	.0000111
21.450	.0466201	.0001013	25.9755768	.0078960	.0000111
21.460	.0465983	.0001012	25.9755778	.0078849	.0000110
21.470	.0465766	.0001010	25.9755788	.0078739	.0000110
21.480	.0465549	.0001009	25.9755798	.0078629	.0000110
21.490	.0465333	.0001008	25.9755808	.0078520	.0000110



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
21.500	.0465116	.0001006	25.9755818	.0078410	.0000110
21.510	.0464900	.0001005	25.9755828	.0078301	.0000109
21.520	.0464684	.0001003	25.9755837	.0078192	.0000109
21.530	.0464468	.0001002	25.9755847	.0078083	.0000109
21.540	.0464253	.0001001	25.9755856	.0077974	.0000109
21.550	.0464037	.0000999	25.9755866	.0077866	.0000108
21.560	.0463822	.0000998	25.9755875	.0077757	.0000108
21.570	.0463607	.0000996	25.9755885	.0077649	.0000108
21.580	.0463392	.0000995	25.9755894	.0077541	.0000108
21.590	.0463178	.0000994	25.9755903	.0077434	.0000108
21.600	.0462963	.0000992	25.9755912	.0077326	.0000107
21.610	.0462749	.0000991	25.9755921	.0077219	.0000107
21.620	.0462535	.0000990	25.9755930	.0077112	.0000107
21.630	.0462321	.0000988	25.9755939	.0077005	.0000107
21.640	.0462107	.0000987	25.9755948	.0076898	.0000107
21.650	.0461894	.0000985	25.9755957	.0076792	.0000107
21.660	.0461681	.0000984	25.9755965	.0076685	.0000106
21.670	.0461468	.0000983	25.9755974	.0076579	.0000106
21.680	.0461255	.0000981	25.9755982	.0076473	.0000106
21.690	.0461042	.0000980	25.9755991	.0076367	.0000106
21.700	.0460830	.0000979	25.9755999	.0076262	.0000106
21.710	.0460617	.0000977	25.9756007	.0076157	.0000105
21.720	.0460405	.0000976	25.9756016	.0076052	.0000105
21.730	.0460193	.0000975	25.9756024	.0075947	.0000105
21.740	.0459982	.0000973	25.9756032	.0075842	.0000105
21.750	.0459770	.0000972	25.9756040	.0075737	.0000105
21.760	.0459559	.0000971	25.9756048	.0075633	.0000104
21.770	.0459348	.0000969	25.9756056	.0075529	.0000104
21.780	.0459137	.0000968	25.9756064	.0075425	.0000104
21.790	.0458926	.0000967	25.9756072	.0075321	.0000104
21.800	.0458716	.0000965	25.9756079	.0075217	.0000104
21.810	.0458505	.0000964	25.9756087	.0075114	.0000103
21.820	.0458295	.0000963	25.9756095	.0075011	.0000103
21.830	.0458085	.0000961	25.9756102	.0074908	.0000103
21.840	.0457876	.0000960	25.9756110	.0074805	.0000103
21.850	.0457666	.0000959	25.9756117	.0074702	.0000103
21.860	.0457457	.0000957	25.9756124	.0074600	.0000102
21.870	.0457248	.0000956	25.9756132	.0074497	.0000102
21.880	.0457039	.0000955	25.9756139	.0074395	.0000102
21.890	.0456830	.0000953	25.9756146	.0074293	.0000102
21.900	.0456621	.0000952	25.9756153	.0074192	.0000102
21.910	.0456413	.0000951	25.9756160	.0074090	.0000102
21.920	.0456205	.0000949	25.9756167	.0073989	.0000101
21.930	.0455996	.0000948	25.9756174	.0073888	.0000101
21.940	.0455789	.0000947	25.9756181	.0073787	.0000101
21.950	.0455581	.0000946	25.9756188	.0073686	.0000101
21.960	.0455374	.0000944	25.9756195	.0073585	.0000101
21.970	.0455166	.0000943	25.9756201	.0073485	.0000100
21.980	.0454959	.0000942	25.9756208	.0073385	.0000100
21.990	.0454752	.0000940	25.9756215	.0073284	.0000100

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
22.000	.0454546	.0000939	25.9756221	.0073185	.0000100
22.010	.0454339	.0000938	25.9756228	.0073085	.0000100
22.020	.0454133	.0000937	25.9756234	.0072985	.0000100
22.030	.0453927	.0000935	25.9756241	.0072886	.0000099
22.040	.0453721	.0000934	25.9756247	.0072787	.0000099
22.050	.0453515	.0000933	25.9756253	.0072688	.0000099
22.060	.0453309	.0000932	25.9756260	.0072589	.0000099
22.070	.0453104	.0000930	25.9756266	.0072490	.0000099
22.080	.0452899	.0000929	25.9756272	.0072392	.0000098
22.090	.0452694	.0000928	25.9756278	.0072294	.0000098
22.100	.0452489	.0000926	25.9756284	.0072196	.0000098
22.110	.0452284	.0000925	25.9756290	.0072098	.0000098
22.120	.0452080	.0000924	25.9756296	.0072000	.0000098
22.130	.0451875	.0000923	25.9756302	.0071902	.0000098
22.140	.0451671	.0000921	25.9756308	.0071805	.0000097
22.150	.0451467	.0000920	25.9756313	.0071708	.0000097
22.160	.0451264	.0000919	25.9756319	.0071611	.0000097
22.170	.0451060	.0000918	25.9756325	.0071514	.0000097
22.180	.0450857	.0000916	25.9756331	.0071417	.0000097
22.190	.0450654	.0000915	25.9756336	.0071321	.0000097
22.200	.0450451	.0000914	25.9756342	.0071224	.0000096
22.210	.0450248	.0000913	25.9756347	.0071128	.0000096
22.220	.0450045	.0000912	25.9756353	.0071032	.0000096
22.230	.0449843	.0000910	25.9756358	.0070936	.0000096
22.240	.0449640	.0000909	25.9756364	.0070841	.0000096
22.250	.0449438	.0000908	25.9756369	.0070745	.0000095
22.260	.0449236	.0000907	25.9756374	.0070650	.0000095
22.270	.0449035	.0000905	25.9756380	.0070555	.0000095
22.280	.0448833	.0000904	25.9756385	.0070460	.0000095
22.290	.0448632	.0000903	25.9756390	.0070365	.0000095
22.300	.0448431	.0000902	25.9756395	.0070271	.0000095
22.310	.0448230	.0000901	25.9756400	.0070176	.0000094
22.320	.0448029	.0000899	25.9756405	.0070082	.0000094
22.330	.0447828	.0000898	25.9756410	.0069988	.0000094
22.340	.0447628	.0000897	25.9756415	.0069894	.0000094
22.350	.0447427	.0000896	25.9756420	.0069800	.0000094
22.360	.0447227	.0000895	25.9756425	.0069706	.0000094
22.370	.0447027	.0000893	25.9756430	.0069613	.0000093
22.380	.0446828	.0000892	25.9756435	.0069520	.0000093
22.390	.0446628	.0000891	25.9756439	.0069427	.0000093
22.400	.0446429	.0000890	25.9756444	.0069334	.0000093
22.410	.0446230	.0000889	25.9756449	.0069241	.0000093
22.420	.0446030	.0000887	25.9756453	.0069148	.0000093
22.430	.0445832	.0000886	25.9756458	.0069056	.0000092
22.440	.0445633	.0000885	25.9756463	.0068964	.0000092
22.450	.0445434	.0000884	25.9756467	.0068871	.0000092
22.460	.0445236	.0000883	25.9756472	.0068779	.0000092
22.470	.0445038	.0000881	25.9756476	.0068688	.0000092
22.480	.0444840	.0000880	25.9756481	.0068596	.0000092
22.490	.0444642	.0000879	25.9756485	.0068505	.0000091



# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
22.500	.0444445	.0000878	25.9756489	.0068413	.0000091
22.510	.04444247	.0000877	25.9756494	.0068322	.0000091
22.520	.04444050	.0000876	25.9756498	.0068231	.0000091
22.530	.04443853	.0000874	25.9756502	.0068140	.0000091
22.540	.04443656	.0000873	25.9756506	.0068050	.0000091
22.550	.04443459	.0000872	25.9756510	.0067959	.0000090
22.560	.04443263	.0000871	25.9756515	.0067869	.0000090
22.570	.04443066	.0000870	25.9756519	.0067779	.0000090
22.580	.04442870	.0000869	25.9756523	.0067689	.0000090
22.590	.04442674	.0000867	25.9756527	.0067599	.0000090
22.600	.04442478	.0000866	25.9756531	.0067509	.0000090
22.610	.04442282	.0000865	25.9756535	.0067420	.0000090
22.620	.04442087	.0000864	25.9756539	.0067330	.0000089
22.630	.04441891	.0000863	25.9756543	.0067241	.0000089
22.640	.04441696	.0000862	25.9756547	.0067152	.0000089
22.650	.04441501	.0000861	25.9756550	.0067063	.0000089
22.660	.04441306	.0000859	25.9756554	.0066974	.0000089
22.670	.04441112	.0000858	25.9756558	.0066886	.0000089
22.680	.04440917	.0000857	25.9756562	.0066797	.0000088
22.690	.04440723	.0000856	25.9756566	.0066709	.0000088
22.700	.04440529	.0000855	25.9756569	.0066621	.0000088
22.710	.04440335	.0000854	25.9756573	.0066533	.0000088
22.720	.04440141	.0000853	25.9756576	.0066445	.0000088
22.730	.04399947	.0000852	25.9756580	.0066357	.0000088
22.740	.04399754	.0000850	25.9756584	.0066270	.0000088
22.750	.04399561	.0000849	25.9756587	.0066183	.0000087
22.760	.04399367	.0000848	25.9756591	.0066095	.0000087
22.770	.04399175	.0000847	25.9756594	.0066008	.0000087
22.780	.04398982	.0000846	25.9756598	.0065922	.0000087
22.790	.04398789	.0000845	25.9756601	.0065835	.0000087
22.800	.04398597	.0000844	25.9756605	.0065748	.0000087
22.810	.04398404	.0000843	25.9756608	.0065662	.0000086
22.820	.04398212	.0000841	25.9756611	.0065575	.0000086
22.830	.04398020	.0000840	25.9756615	.0065489	.0000086
22.840	.04397829	.0000839	25.9756618	.0065403	.0000086
22.850	.04397637	.0000838	25.9756621	.0065318	.0000086
22.860	.04397445	.0000837	25.9756624	.0065232	.0000086
22.870	.04397254	.0000836	25.9756628	.0065146	.0000086
22.880	.04397063	.0000835	25.9756631	.0065061	.0000085
22.890	.04396872	.0000834	25.9756634	.0064976	.0000085
22.900	.04396681	.0000833	25.9756637	.0064891	.0000085
22.910	.04396491	.0000832	25.9756640	.0064806	.0000085
22.920	.04396300	.0000831	25.9756643	.0064721	.0000085
22.930	.04396110	.0000829	25.9756646	.0064636	.0000085
22.940	.04395920	.0000828	25.9756649	.0064552	.0000084
22.950	.04395730	.0000827	25.9756652	.0064467	.0000084
22.960	.04395540	.0000826	25.9756655	.0064383	.0000084
22.970	.04395351	.0000825	25.9756658	.0064299	.0000084
22.980	.04395161	.0000824	25.9756661	.0064215	.0000084
22.990	.04394972	.0000823	25.9756664	.0064132	.0000084



# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL (C/3R)
23.000	.0434783	.0000822	25.9756667	.0064048	.0000084
23.010	.0434594	.0000821	25.9756670	.0063964	.0000083
23.020	.0434405	.0000820	25.9756673	.0063881	.0000083
23.030	.0434216	.0000819	25.9756676	.0063798	.0000083
23.040	.0434028	.0000818	25.9756678	.0063715	.0000083
23.050	.0433840	.0000817	25.9756681	.0063632	.0000083
23.060	.0433652	.0000815	25.9756684	.0063549	.0000083
23.070	.0433464	.0000814	25.9756686	.0063467	.0000083
23.080	.0433276	.0000813	25.9756689	.0063384	.0000082
23.090	.0433088	.0000812	25.9756692	.0063302	.0000082
23.100	.0432901	.0000811	25.9756695	.0063220	.0000082
23.110	.0432713	.0000810	25.9756697	.0063138	.0000082
23.120	.0432526	.0000809	25.9756700	.0063056	.0000082
23.130	.0432339	.0000808	25.9756703	.0062974	.0000082
23.140	.0432152	.0000807	25.9756705	.0062892	.0000082
23.150	.0431966	.0000806	25.9756708	.0062811	.0000081
23.160	.0431779	.0000805	25.9756710	.0062730	.0000081
23.170	.0431593	.0000804	25.9756712	.0062648	.0000081
23.180	.0431407	.0000803	25.9756715	.0062567	.0000081
23.190	.0431221	.0000802	25.9756717	.0062487	.0000081
23.200	.0431035	.0000801	25.9756720	.0062406	.0000081
23.210	.0430849	.0000800	25.9756722	.0062325	.0000081
23.220	.0430663	.0000799	25.9756725	.0062245	.0000080
23.230	.0430478	.0000798	25.9756727	.0062164	.0000080
23.240	.0430293	.0000797	25.9756730	.0062084	.0000080
23.250	.0430108	.0000796	25.9756732	.0062004	.0000080
23.260	.0429923	.0000795	25.9756734	.0061924	.0000080
23.270	.0429738	.0000794	25.9756736	.0061844	.0000080
23.280	.0429553	.0000793	25.9756739	.0061765	.0000080
23.290	.0429369	.0000792	25.9756741	.0061685	.0000080
23.300	.0429185	.0000791	25.9756743	.0061606	.0000079
23.310	.0429001	.0000790	25.9756746	.0061526	.0000079
23.320	.0428817	.0000789	25.9756748	.0061447	.0000079
23.330	.0428633	.0000788	25.9756750	.0061368	.0000079
23.340	.0428449	.0000786	25.9756752	.0061289	.0000079
23.350	.0428266	.0000785	25.9756754	.0061211	.0000079
23.360	.0428082	.0000784	25.9756756	.0061132	.0000079
23.370	.0427899	.0000783	25.9756758	.0061054	.0000078
23.380	.0427716	.0000782	25.9756761	.0060975	.0000078
23.390	.0427533	.0000781	25.9756763	.0060897	.0000078
23.400	.0427351	.0000780	25.9756765	.0060819	.0000078
23.410	.0427168	.0000779	25.9756767	.0060741	.0000078
23.420	.0426986	.0000778	25.9756769	.0060664	.0000078
23.430	.0426803	.0000777	25.9756771	.0060586	.0000078
23.440	.0426621	.0000776	25.9756773	.0060508	.0000078
23.450	.0426439	.0000775	25.9756775	.0060431	.0000077
23.460	.0426258	.0000774	25.9756777	.0060354	.0000077
23.470	.0426076	.0000774	25.9756779	.0060277	.0000077
23.480	.0425895	.0000773	25.9756781	.0060200	.0000077
23.490	.0425713	.0000772	25.9756783	.0060123	.0000077

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
23.500	.0425532	.0000771	25.9756784	.0060046	.0000077
23.510	.0425351	.0000770	25.9756786	.0059970	.0000077
23.520	.0425170	.0000769	25.9756788	.0059893	.0000076
23.530	.0424990	.0000768	25.9756790	.0059817	.0000076
23.540	.0424809	.0000767	25.9756792	.0059741	.0000076
23.550	.0424629	.0000766	25.9756794	.0059664	.0000076
23.560	.0424448	.0000765	25.9756796	.0059589	.0000076
23.570	.0424268	.0000764	25.9756798	.0059513	.0000076
23.580	.0424088	.0000763	25.9756799	.0059437	.0000076
23.590	.0423909	.0000762	25.9756801	.0059362	.0000076
23.600	.0423729	.0000761	25.9756803	.0059286	.0000075
23.610	.0423550	.0000760	25.9756804	.0059211	.0000075
23.620	.0423370	.0000759	25.9756806	.0059136	.0000075
23.630	.0423191	.0000758	25.9756808	.0059061	.0000075
23.640	.0423012	.0000757	25.9756810	.0058986	.0000075
23.650	.0422833	.0000756	25.9756811	.0058911	.0000075
23.660	.0422654	.0000755	25.9756813	.0058836	.0000075
23.670	.0422476	.0000754	25.9756815	.0058762	.0000075
23.680	.0422297	.0000753	25.9756816	.0058687	.0000074
23.690	.0422119	.0000752	25.9756818	.0058613	.0000074
23.700	.0421941	.0000751	25.9756820	.0058539	.0000074
23.710	.0421763	.0000750	25.9756821	.0058465	.0000074
23.720	.0421585	.0000749	25.9756823	.0058391	.0000074
23.730	.0421408	.0000748	25.9756824	.0058317	.0000074
23.740	.0421230	.0000747	25.9756826	.0058243	.0000074
23.750	.0421053	.0000746	25.9756827	.0058170	.0000074
23.760	.0420876	.0000746	25.9756829	.0058096	.0000073
23.770	.0420699	.0000745	25.9756830	.0058023	.0000073
23.780	.0420522	.0000744	25.9756832	.0057950	.0000073
23.790	.0420345	.0000743	25.9756833	.0057877	.0000073
23.800	.0420168	.0000742	25.9756835	.0057804	.0000073
23.810	.0419992	.0000741	25.9756836	.0057731	.0000073
23.820	.0419815	.0000740	25.9756838	.0057659	.0000073
23.830	.0419639	.0000739	25.9756840	.0057586	.0000073
23.840	.0419463	.0000738	25.9756841	.0057514	.0000072
23.850	.0419287	.0000737	25.9756842	.0057441	.0000072
23.860	.0419112	.0000736	25.9756844	.0057369	.0000072
23.870	.0418936	.0000735	25.9756845	.0057297	.0000072
23.880	.0418761	.0000734	25.9756846	.0057225	.0000072
23.890	.0418585	.0000733	25.9756848	.0057153	.0000072
23.900	.0418410	.0000732	25.9756849	.0057081	.0000072
23.910	.0418235	.0000732	25.9756850	.0057010	.0000072
23.920	.0418060	.0000731	25.9756852	.0056938	.0000071
23.930	.0417886	.0000730	25.9756853	.0056867	.0000071
23.940	.0417711	.0000729	25.9756854	.0056796	.0000071
23.950	.0417537	.0000728	25.9756856	.0056725	.0000071
23.960	.0417362	.0000727	25.9756857	.0056654	.0000071
23.970	.0417188	.0000726	25.9756858	.0056583	.0000071
23.980	.0417014	.0000725	25.9756860	.0056512	.0000071
23.990	.0416841	.0000724	25.9756861	.0056441	.0000071



# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
24.000	.0416667	.0000723	25.9756862	.0056371	.0000071
24.010	.0416493	.0000722	25.9756864	.0056301	.0000070
24.020	.0416320	.0000722	25.9756865	.0056230	.0000070
24.030	.0416147	.0000721	25.9756866	.0056160	.0000070
24.040	.0415974	.0000720	25.9756867	.0056090	.0000070
24.050	.0415801	.0000719	25.9756868	.0056020	.0000070
24.060	.0415628	.0000718	25.9756870	.0055950	.0000070
24.070	.0415455	.0000717	25.9756871	.0055881	.0000070
24.080	.0415283	.0000716	25.9756872	.0055811	.0000070
24.090	.0415110	.0000715	25.9756873	.0055741	.0000069
24.100	.0414938	.0000714	25.9756874	.0055672	.0000069
24.110	.0414766	.0000714	25.9756875	.0055603	.0000069
24.120	.0414594	.0000713	25.9756876	.0055534	.0000069
24.130	.0414422	.0000712	25.9756878	.0055465	.0000069
24.140	.0414250	.0000711	25.9756879	.0055396	.0000069
24.150	.0414079	.0000710	25.9756880	.0055327	.0000069
24.160	.0413907	.0000709	25.9756881	.0055258	.0000069
24.170	.0413736	.0000708	25.9756882	.0055190	.0000069
24.180	.0413565	.0000707	25.9756883	.0055121	.0000068
24.190	.0413394	.0000706	25.9756884	.0055053	.0000068
24.200	.0413223	.0000706	25.9756886	.0054985	.0000068
24.210	.0413053	.0000705	25.9756887	.0054917	.0000068
24.220	.0412882	.0000704	25.9756888	.0054849	.0000068
24.230	.0412712	.0000703	25.9756889	.0054781	.0000068
24.240	.0412541	.0000702	25.9756890	.0054713	.0000068
24.250	.0412371	.0000701	25.9756891	.0054645	.0000068
24.260	.0412201	.0000700	25.9756892	.0054578	.0000068
24.270	.0412032	.0000700	25.9756892	.0054510	.0000067
24.280	.0411862	.0000699	25.9756893	.0054443	.0000067
24.290	.0411692	.0000698	25.9756894	.0054376	.0000067
24.300	.0411523	.0000697	25.9756895	.0054309	.0000067
24.310	.0411354	.0000696	25.9756896	.0054242	.0000067
24.320	.0411184	.0000695	25.9756897	.0054175	.0000067
24.330	.0411015	.0000694	25.9756898	.0054108	.0000067
24.340	.0410847	.0000693	25.9756899	.0054041	.0000067
24.350	.0410678	.0000693	25.9756900	.0053975	.0000067
24.360	.0410509	.0000692	25.9756901	.0053908	.0000066
24.370	.0410341	.0000691	25.9756902	.0053842	.0000066
24.380	.0410172	.0000690	25.9756903	.0053776	.0000066
24.390	.0410004	.0000689	25.9756904	.0053710	.0000066
24.400	.0409836	.0000688	25.9756905	.0053644	.0000066
24.410	.0409668	.0000688	25.9756906	.0053578	.0000066
24.420	.0409501	.0000687	25.9756907	.0053512	.0000066
24.430	.0409333	.0000686	25.9756908	.0053446	.0000066
24.440	.0409165	.0000685	25.9756909	.0053381	.0000066
24.450	.0408998	.0000684	25.9756910	.0053315	.0000065
24.460	.0408831	.0000683	25.9756910	.0053250	.0000065
24.470	.0408664	.0000682	25.9756911	.0053185	.0000065
24.480	.0408497	.0000682	25.9756912	.0053120	.0000065
24.490	.0408330	.0000681	25.9756913	.0053055	.0000065



# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL (C/3R)
24.500	.0408163	.0000680	25.9756913	.0052990	.0000065
24.510	.0407997	.0000679	25.9756914	.0052925	.0000065
24.520	.0407831	.0000678	25.9756915	.0052860	.0000065
24.530	.0407664	.0000677	25.9756916	.0052795	.0000065
24.540	.0407498	.0000677	25.9756917	.0052731	.0000065
24.550	.0407332	.0000676	25.9756917	.0052667	.0000064
24.560	.0407166	.0000675	25.9756918	.0052602	.0000064
24.570	.0407001	.0000674	25.9756919	.0052538	.0000064
24.580	.0406835	.0000673	25.9756920	.0052474	.0000064
24.590	.0406670	.0000673	25.9756920	.0052410	.0000064
24.600	.0406504	.0000672	25.9756921	.0052346	.0000064
24.610	.0406339	.0000671	25.9756922	.0052282	.0000064
24.620	.0406174	.0000670	25.9756923	.0052219	.0000064
24.630	.0406009	.0000669	25.9756923	.0052155	.0000064
24.640	.0405844	.0000668	25.9756924	.0052092	.0000063
24.650	.0405680	.0000668	25.9756925	.0052028	.0000063
24.660	.0405515	.0000667	25.9756926	.0051965	.0000063
24.670	.0405351	.0000666	25.9756926	.0051902	.0000063
24.680	.0405187	.0000665	25.9756927	.0051839	.0000063
24.690	.0405022	.0000664	25.9756928	.0051776	.0000063
24.700	.0404858	.0000664	25.9756929	.0051713	.0000063
24.710	.0404695	.0000663	25.9756930	.0051650	.0000063
24.720	.0404531	.0000662	25.9756930	.0051587	.0000063
24.730	.0404367	.0000661	25.9756931	.0051525	.0000063
24.740	.0404204	.0000660	25.9756932	.0051462	.0000062
24.750	.0404041	.0000660	25.9756933	.0051400	.0000062
24.760	.0403877	.0000659	25.9756933	.0051338	.0000062
24.770	.0403714	.0000658	25.9756934	.0051276	.0000062
24.780	.0403551	.0000657	25.9756934	.0051214	.0000062
24.790	.0403389	.0000656	25.9756935	.0051152	.0000062
24.800	.0403226	.0000656	25.9756935	.0051090	.0000062
24.810	.0403063	.0000655	25.9756936	.0051028	.0000062
24.820	.0402901	.0000654	25.9756937	.0050966	.0000062
24.830	.0402739	.0000653	25.9756937	.0050905	.0000062
24.840	.0402577	.0000652	25.9756938	.0050843	.0000061
24.850	.0402415	.0000652	25.9756938	.0050782	.0000061
24.860	.0402253	.0000651	25.9756939	.0050721	.0000061
24.870	.0402091	.0000650	25.9756939	.0050660	.0000061
24.880	.0401929	.0000649	25.9756940	.0050599	.0000061
24.890	.0401768	.0000649	25.9756941	.0050538	.0000061
24.900	.0401607	.0000648	25.9756941	.0050477	.0000061
24.910	.0401445	.0000647	25.9756942	.0050416	.0000061
24.920	.0401284	.0000646	25.9756942	.0050355	.0000061
24.930	.0401123	.0000645	25.9756943	.0050295	.0000061
24.940	.0400963	.0000645	25.9756943	.0050234	.0000060
24.950	.0400802	.0000644	25.9756944	.0050174	.0000060
24.960	.0400641	.0000643	25.9756945	.0050114	.0000060
24.970	.0400481	.0000642	25.9756945	.0050053	.0000060
24.980	.0400320	.0000642	25.9756946	.0049993	.0000060
24.990	.0400160	.0000641	25.9756946	.0049933	.0000060

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
25.000	.0400000	.0000640	25.9756947	.0049873	.CC00060
25.010	.0399840	.0000639	25.9756947	.0049814	.CC00060
25.020	.0399680	.0000638	25.9756948	.0049754	.CC00060
25.030	.0399521	.0000638	25.9756949	.0049694	.CC00060
25.040	.0399361	.0000637	25.9756949	.0049635	.CC00060
25.050	.0399202	.0000636	25.9756950	.0049575	.CC00059
25.060	.0399042	.0000635	25.9756950	.0049516	.CC00059
25.070	.0398883	.0000635	25.9756951	.0049457	.CC00059
25.080	.0398724	.0000634	25.9756951	.0049398	.CC00059
25.090	.0398565	.0000633	25.9756952	.0049339	.CC00059
25.100	.0398407	.0000632	25.9756953	.0049280	.CC00059
25.110	.0398248	.0000632	25.9756953	.0049221	.CC00059
25.120	.0398089	.0000631	25.9756954	.0049162	.CC00059
25.130	.0397931	.0000630	25.9756954	.0049103	.CC00059
25.140	.0397773	.0000629	25.9756955	.0049045	.CC00059
25.150	.0397615	.0000629	25.9756956	.0048986	.CC00058
25.160	.0397456	.0000628	25.9756956	.0048928	.CC00058
25.170	.0397299	.0000627	25.9756956	.0048870	.CC00058
25.180	.0397141	.0000626	25.9756957	.0048811	.CC00058
25.190	.0396983	.0000626	25.9756957	.0048753	.CC00058
25.200	.0396826	.0000625	25.9756957	.0048695	.CC00058
25.210	.0396668	.0000624	25.9756958	.0048637	.CC00058
25.220	.0396511	.0000623	25.9756958	.0048580	.CC00058
25.230	.0396354	.0000623	25.9756959	.0048522	.CC00058
25.240	.0396197	.0000622	25.9756959	.0048464	.CC00058
25.250	.0396040	.0000621	25.9756959	.0048407	.CC00058
25.260	.0395883	.0000620	25.9756960	.0048349	.CC00057
25.270	.0395726	.0000620	25.9756960	.0048292	.CC00057
25.280	.0395570	.0000619	25.9756961	.0048235	.CC00057
25.290	.0395413	.0000618	25.9756961	.0048177	.CC00057
25.300	.0395257	.0000618	25.9756961	.0048120	.CC00057
25.310	.0395101	.0000617	25.9756962	.0048063	.CC00057
25.320	.0394945	.0000616	25.9756962	.0048006	.CC00057
25.330	.0394789	.0000615	25.9756962	.0047949	.CC00057
25.340	.0394633	.0000615	25.9756963	.0047893	.CC00057
25.350	.0394478	.0000614	25.9756963	.0047836	.CC00057
25.360	.0394322	.0000613	25.9756964	.0047779	.CC00057
25.370	.0394167	.0000612	25.9756964	.0047723	.CC00056
25.380	.0394011	.0000612	25.9756964	.0047667	.CC00056
25.390	.0393856	.0000611	25.9756965	.0047610	.CC00056
25.400	.0393701	.0000610	25.9756965	.0047554	.CC00056
25.410	.0393546	.0000610	25.9756965	.0047498	.CC00056
25.420	.0393391	.0000609	25.9756966	.0047442	.CC00056
25.430	.0393237	.0000608	25.9756966	.0047386	.CC00056
25.440	.0393082	.0000607	25.9756967	.0047330	.CC00056
25.450	.0392928	.0000607	25.9756967	.0047274	.CC00056
25.460	.0392773	.0000606	25.9756967	.0047219	.CC00056
25.470	.0392619	.0000605	25.9756968	.0047163	.CC00056
25.480	.0392465	.0000605	25.9756968	.0047108	.CC00056
25.490	.0392311	.0000604	25.9756969	.0047052	.CC00055



# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL (C/3R)
25.500	.0392157	.0000603	25.9756969	.0046997	.0000055
25.510	.0392003	.0000602	25.9756969	.0046942	.0000055
25.520	.0391850	.0000602	25.9756970	.0046886	.0000055
25.530	.0391696	.0000601	25.9756970	.0046831	.0000055
25.540	.0391543	.0000600	25.9756970	.0046776	.0000055
25.550	.0391390	.0000600	25.9756971	.0046721	.0000055
25.560	.0391237	.0000599	25.9756971	.0046667	.0000055
25.570	.0391084	.0000598	25.9756972	.0046612	.0000055
25.580	.0390931	.0000597	25.9756972	.0046557	.0000055
25.590	.0390778	.0000597	25.9756972	.0046503	.0000055
25.600	.0390625	.0000596	25.9756973	.0046448	.0000054
25.610	.0390473	.0000595	25.9756973	.0046394	.0000054
25.620	.0390320	.0000595	25.9756973	.0046340	.0000054
25.630	.0390168	.0000594	25.9756974	.0046285	.0000054
25.640	.0390016	.0000593	25.9756974	.0046231	.0000054
25.650	.0389864	.0000593	25.9756975	.0046177	.0000054
25.660	.0389712	.0000592	25.9756975	.0046123	.0000054
25.670	.0389560	.0000591	25.9756975	.0046069	.0000054
25.680	.0389408	.0000590	25.9756976	.0046015	.0000054
25.690	.0389257	.0000590	25.9756976	.0045962	.0000054
25.700	.0389105	.0000589	25.9756977	.0045908	.0000054
25.710	.0388954	.0000588	25.9756977	.0045855	.0000054
25.720	.0388803	.0000588	25.9756977	.0045801	.0000053
25.730	.0388652	.0000587	25.9756978	.0045748	.0000053
25.740	.0388501	.0000586	25.9756978	.0045694	.0000053
25.750	.0388350	.0000586	25.9756978	.0045641	.0000053
25.760	.0388199	.0000585	25.9756979	.0045588	.0000053
25.770	.0388048	.0000584	25.9756979	.0045535	.0000053
25.780	.0387898	.0000584	25.9756979	.0045482	.0000053
25.790	.0387747	.0000583	25.9756979	.0045429	.0000053
25.800	.0387597	.0000582	25.9756980	.0045376	.0000053
25.810	.0387447	.0000582	25.9756980	.0045324	.0000053
25.820	.0387297	.0000581	25.9756980	.0045271	.0000053
25.830	.0387147	.0000580	25.9756980	.0045218	.0000053
25.840	.0386997	.0000580	25.9756980	.0045166	.0000052
25.850	.0386847	.0000579	25.9756981	.0045114	.0000052
25.860	.0386698	.0000578	25.9756981	.0045061	.0000052
25.870	.0386548	.0000578	25.9756981	.0045009	.0000052
25.880	.0386399	.0000577	25.9756981	.0044957	.0000052
25.890	.0386250	.0000576	25.9756981	.0044905	.0000052
25.900	.0386101	.0000576	25.9756981	.0044853	.0000052
25.910	.0385952	.0000575	25.9756982	.0044801	.0000052
25.920	.0385803	.0000574	25.9756982	.0044749	.0000052
25.930	.0385654	.0000574	25.9756982	.0044697	.0000052
25.940	.0385505	.0000573	25.9756982	.0044646	.0000052
25.950	.0385357	.0000572	25.9756982	.0044594	.0000052
25.960	.0385208	.0000572	25.9756983	.0044543	.0000052
25.970	.0385060	.0000571	25.9756983	.0044491	.0000051
25.980	.0384912	.0000570	25.9756983	.0044440	.0000051
25.990	.0384764	.0000570	25.9756983	.0044388	.0000051



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
26.000	.0384616	.0000569	25.9756983	.0044337	.CC00051
26.010	.0384468	.0000568	25.9756984	.0044286	.CC00051
26.020	.0384320	.0000568	25.9756984	.0044235	.CC00051
26.030	.0384172	.0000567	25.9756984	.0044184	.CC00051
26.040	.0384025	.0000566	25.9756984	.0044133	.CC00051
26.050	.0383877	.0000566	25.9756984	.0044082	.CC00051
26.060	.0383730	.0000565	25.9756985	.0044032	.CC00051
26.070	.0383583	.0000564	25.9756985	.0043981	.CC00051
26.080	.0383436	.0000564	25.9756985	.0043931	.CC00051
26.090	.0383289	.0000563	25.9756985	.0043880	.CC00050
26.100	.0383142	.0000562	25.9756985	.0043830	.CC00050
26.110	.0382995	.0000562	25.9756986	.0043779	.CC00050
26.120	.0382849	.0000561	25.9756986	.0043729	.CC00050
26.130	.0382702	.0000561	25.9756986	.0043679	.CC00050
26.140	.0382556	.0000560	25.9756986	.0043629	.CC00050
26.150	.0382409	.0000559	25.9756986	.0043579	.CC00050
26.160	.0382263	.0000559	25.9756986	.0043529	.CC00050
26.170	.0382117	.0000558	25.9756987	.0043479	.CC00050
26.180	.0381971	.0000557	25.9756987	.0043429	.CC00050
26.190	.0381825	.0000557	25.9756987	.0043379	.CC00050
26.200	.0381680	.0000556	25.9756987	.0043330	.CC00050
26.210	.0381534	.0000555	25.9756987	.0043280	.CC00050
26.220	.0381388	.0000555	25.9756988	.0043231	.CC00050
26.230	.0381243	.0000554	25.9756988	.0043181	.CC00049
26.240	.0381098	.0000553	25.9756988	.0043132	.CC00049
26.250	.0380953	.0000553	25.9756988	.0043083	.CC00049
26.260	.0380808	.0000552	25.9756988	.0043033	.CC00049
26.270	.0380663	.0000552	25.9756989	.0042984	.CC00049
26.280	.0380518	.0000551	25.9756989	.0042935	.CC00049
26.290	.0380373	.0000550	25.9756989	.0042886	.CC00049
26.300	.0380228	.0000550	25.9756989	.0042837	.CC00049
26.310	.0380084	.0000549	25.9756989	.0042788	.CC00049
26.320	.0379939	.0000548	25.9756990	.0042740	.CC00049
26.330	.0379795	.0000548	25.9756990	.0042691	.CC00049
26.340	.0379651	.0000547	25.9756990	.0042642	.CC00049
26.350	.0379507	.0000547	25.9756990	.0042594	.CC00049
26.360	.0379363	.0000546	25.9756990	.0042545	.CC00048
26.370	.0379219	.0000545	25.9756990	.0042497	.CC00048
26.380	.0379075	.0000545	25.9756991	.0042449	.CC00048
26.390	.0378932	.0000544	25.9756991	.0042401	.CC00048
26.400	.0378788	.0000543	25.9756991	.0042352	.CC00048
26.410	.0378645	.0000543	25.9756991	.0042304	.CC00048
26.420	.0378501	.0000542	25.9756991	.0042256	.CC00048
26.430	.0378358	.0000542	25.9756992	.0042208	.CC00048
26.440	.0378215	.0000541	25.9756992	.0042160	.CC00048
26.450	.0378072	.0000540	25.9756992	.0042113	.CC00048
26.460	.0377929	.0000540	25.9756992	.0042065	.CC00048
26.470	.0377786	.0000539	25.9756992	.0042017	.CC00048
26.480	.0377644	.0000539	25.9756993	.0041970	.CC00048
26.490	.0377501	.0000538	25.9756993	.0041922	.CC00048

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
26.500	.0377359	.0000537	25.9756993	.0041875	.0000047
26.510	.0377216	.0000537	25.9756993	.0041827	.0000047
26.520	.0377074	.0000536	25.9756993	.0041780	.0000047
26.530	.0376932	.0000536	25.9756994	.0041733	.0000047
26.540	.0376790	.0000535	25.9756994	.0041686	.0000047
26.550	.0376648	.0000534	25.9756994	.0041639	.0000047
26.560	.0376506	.0000534	25.9756994	.0041592	.0000047
26.570	.0376365	.0000533	25.9756994	.0041545	.0000047
26.580	.0376223	.0000533	25.9756994	.0041498	.0000047
26.590	.0376081	.0000532	25.9756995	.0041451	.0000047
26.600	.0375940	.0000531	25.9756995	.0041404	.0000047
26.610	.0375799	.0000531	25.9756995	.0041358	.0000047
26.620	.0375658	.0000530	25.9756995	.0041311	.0000047
26.630	.0375517	.0000530	25.9756995	.0041264	.0000047
26.640	.0375376	.0000529	25.9756996	.0041218	.0000046
26.650	.0375235	.0000528	25.9756996	.0041172	.0000046
26.660	.0375094	.0000528	25.9756996	.0041125	.0000046
26.670	.0374953	.0000527	25.9756996	.0041079	.0000046
26.680	.0374813	.0000527	25.9756996	.0041033	.0000046
26.690	.0374672	.0000526	25.9756997	.0040987	.0000046
26.700	.0374532	.0000525	25.9756997	.0040941	.0000046
26.710	.0374392	.0000525	25.9756997	.0040895	.0000046
26.720	.0374252	.0000524	25.9756997	.0040849	.0000046
26.730	.0374112	.0000524	25.9756997	.0040803	.0000046
26.740	.0373972	.0000523	25.9756998	.0040757	.0000046
26.750	.0373832	.0000522	25.9756998	.0040712	.0000046
26.760	.0373692	.0000522	25.9756998	.0040666	.0000046
26.770	.0373553	.0000521	25.9756998	.0040620	.0000046
26.780	.0373413	.0000521	25.9756998	.0040575	.0000045
26.790	.0373274	.0000520	25.9756998	.0040529	.0000045
26.800	.0373135	.0000520	25.9756999	.0040484	.0000045
26.810	.0372995	.0000519	25.9756999	.0040439	.0000045
26.820	.0372856	.0000518	25.9756999	.0040394	.0000045
26.830	.0372717	.0000518	25.9756999	.0040348	.0000045
26.840	.0372578	.0000517	25.9756999	.0040303	.0000045
26.850	.0372440	.0000517	25.9757000	.0040258	.0000045
26.860	.0372301	.0000516	25.9757000	.0040213	.0000045
26.870	.0372162	.0000515	25.9757000	.0040169	.0000045
26.880	.0372024	.0000515	25.9757000	.0040124	.0000045
26.890	.0371886	.0000514	25.9757000	.0040079	.0000045
26.900	.0371747	.0000514	25.9757001	.0040034	.0000045
26.910	.0371609	.0000513	25.9757001	.0039990	.0000045
26.920	.0371471	.0000513	25.9757001	.0039945	.0000045
26.930	.0371333	.0000512	25.9757001	.0039901	.0000044
26.940	.0371195	.0000511	25.9757001	.0039856	.0000044
26.950	.0371058	.0000511	25.9757002	.0039812	.0000044
26.960	.0370920	.0000510	25.9757002	.0039768	.0000044
26.970	.0370783	.0000510	25.9757002	.0039723	.0000044
26.980	.0370645	.0000509	25.9757002	.0039679	.0000044
26.990	.0370508	.0000509	25.9757002	.0039635	.0000044



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
27.000	.0370371	.0000508	25.9757002	.0039591	.0000044
27.010	.0370233	.0000507	25.9757003	.0039547	.0000044
27.020	.0370096	.0000507	25.9757003	.0039503	.0000044
27.030	.0369960	.0000506	25.9757003	.0039459	.0000044
27.040	.0369823	.0000506	25.9757003	.0039416	.0000044
27.050	.0369686	.0000505	25.9757003	.0039372	.0000044
27.060	.0369549	.0000505	25.9757004	.0039328	.0000044
27.070	.0369413	.0000504	25.9757004	.0039285	.0000044
27.080	.0369276	.0000504	25.9757004	.0039241	.0000044
27.090	.0369140	.0000503	25.9757004	.0039198	.0000043
27.100	.0369004	.0000502	25.9757004	.0039154	.0000043
27.110	.0368868	.0000502	25.9757004	.0039111	.0000043
27.120	.0368732	.0000501	25.9757004	.0039068	.0000043
27.130	.0368596	.0000501	25.9757004	.0039025	.0000043
27.140	.0368460	.0000500	25.9757004	.0038982	.0000043
27.150	.0368324	.0000500	25.9757004	.0038939	.0000043
27.160	.0368189	.0000499	25.9757004	.0038896	.0000043
27.170	.0368053	.0000499	25.9757004	.0038853	.0000043
27.180	.0367918	.0000498	25.9757004	.0038810	.0000043
27.190	.0367782	.0000497	25.9757004	.0038767	.0000043
27.200	.0367647	.0000497	25.9757004	.0038724	.0000043
27.210	.0367512	.0000496	25.9757004	.0038682	.0000043
27.220	.0367377	.0000496	25.9757004	.0038639	.0000043
27.230	.0367242	.0000495	25.9757004	.0038596	.0000043
27.240	.0367107	.0000495	25.9757004	.0038554	.0000042
27.250	.0366973	.0000494	25.9757004	.0038511	.0000042
27.260	.0366838	.0000494	25.9757004	.0038469	.0000042
27.270	.0366704	.0000493	25.9757004	.0038427	.0000042
27.280	.0366569	.0000493	25.9757004	.0038385	.0000042
27.290	.0366435	.0000492	25.9757004	.0038342	.0000042
27.300	.0366301	.0000491	25.9757004	.0038300	.0000042
27.310	.0366166	.0000491	25.9757004	.0038258	.0000042
27.320	.0366032	.0000490	25.9757004	.0038216	.0000042
27.330	.0365898	.0000490	25.9757004	.0038174	.0000042
27.340	.0365765	.0000489	25.9757004	.0038132	.0000042
27.350	.0365631	.0000489	25.9757004	.0038091	.0000042
27.360	.0365497	.0000488	25.9757004	.0038049	.0000042
27.370	.0365364	.0000488	25.9757004	.0038007	.0000042
27.380	.0365230	.0000487	25.9757004	.0037965	.0000042
27.390	.0365097	.0000487	25.9757004	.0037924	.0000042
27.400	.0364964	.0000486	25.9757004	.0037882	.0000042
27.410	.0364831	.0000486	25.9757004	.0037841	.0000041
27.420	.0364698	.0000485	25.9757004	.0037800	.0000041
27.430	.0364565	.0000485	25.9757004	.0037758	.0000041
27.440	.0364432	.0000484	25.9757004	.0037717	.0000041
27.450	.0364299	.0000483	25.9757004	.0037676	.0000041
27.460	.0364166	.0000483	25.9757004	.0037635	.0000041
27.470	.0364034	.0000482	25.9757004	.0037594	.0000041
27.480	.0363901	.0000482	25.9757004	.0037553	.0000041
27.490	.0363769	.0000481	25.9757004	.0037512	.0000041



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
27.500	.0363637	.0000481	25.9757004	.0037471	.0000041
27.510	.0363504	.0000480	25.9757004	.0037430	.0000041
27.520	.0363372	.0000480	25.9757004	.0037389	.0000041
27.530	.0363240	.0000479	25.9757004	.0037348	.0000041
27.540	.0363108	.0000479	25.9757004	.0037308	.0000041
27.550	.0362977	.0000478	25.9757004	.0037267	.0000041
27.560	.0362845	.0000478	25.9757004	.0037226	.0000041
27.570	.0362713	.0000477	25.9757004	.0037186	.0000040
27.580	.0362582	.0000477	25.9757004	.0037146	.0000040
27.590	.0362450	.0000476	25.9757004	.0037105	.0000040
27.600	.0362319	.0000476	25.9757004	.0037065	.0000040
27.610	.0362188	.0000475	25.9757004	.0037025	.0000040
27.620	.0362057	.0000475	25.9757004	.0036984	.0000040
27.630	.0361926	.0000474	25.9757004	.0036944	.0000040
27.640	.0361795	.0000474	25.9757004	.0036904	.0000040
27.650	.0361664	.0000473	25.9757004	.0036864	.0000040
27.660	.0361533	.0000473	25.9757004	.0036824	.0000040
27.670	.0361402	.0000472	25.9757004	.0036784	.0000040
27.680	.0361272	.0000472	25.9757004	.0036744	.0000040
27.690	.0361141	.0000471	25.9757004	.0036705	.0000040
27.700	.0361011	.0000471	25.9757004	.0036665	.0000040
27.710	.0360881	.0000470	25.9757004	.0036625	.0000040
27.720	.0360751	.0000469	25.9757004	.0036586	.0000040
27.730	.0360620	.0000469	25.9757004	.0036546	.0000040
27.740	.0360490	.0000468	25.9757004	.0036506	.0000040
27.750	.0360361	.0000468	25.9757004	.0036467	.0000039
27.760	.0360231	.0000467	25.9757004	.0036428	.0000039
27.770	.0360101	.0000467	25.9757004	.0036388	.0000039
27.780	.0359971	.0000466	25.9757004	.0036349	.0000039
27.790	.0359842	.0000466	25.9757004	.0036310	.0000039
27.800	.0359712	.0000465	25.9757004	.0036271	.0000039
27.810	.0359583	.0000465	25.9757004	.0036232	.0000039
27.820	.0359454	.0000464	25.9757004	.0036192	.0000039
27.830	.0359325	.0000464	25.9757004	.0036153	.0000039
27.840	.0359196	.0000463	25.9757004	.0036115	.0000039
27.850	.0359067	.0000463	25.9757004	.0036076	.0000039
27.860	.0358938	.0000462	25.9757004	.0036037	.0000039
27.870	.0358809	.0000462	25.9757004	.0035998	.0000039
27.880	.0358680	.0000461	25.9757004	.0035959	.0000039
27.890	.0358552	.0000461	25.9757004	.0035921	.0000039
27.900	.0358423	.0000460	25.9757004	.0035882	.0000039
27.910	.0358295	.0000460	25.9757004	.0035843	.0000039
27.920	.0358166	.0000459	25.9757004	.0035805	.0000038
27.930	.0358038	.0000459	25.9757004	.0035767	.0000038
27.940	.0357910	.0000458	25.9757004	.0035728	.0000038
27.950	.0357782	.0000458	25.9757004	.0035690	.0000038
27.960	.0357654	.0000457	25.9757004	.0035652	.0000038
27.970	.0357526	.0000457	25.9757004	.0035613	.0000038
27.980	.0357398	.0000457	25.9757004	.0035575	.0000038
27.990	.0357271	.0000456	25.9757004	.0035537	.0000038

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
28.000	.0357143	.0000456	25.9757004	.0035499	.0000038
28.010	.0357016	.0000455	25.9757004	.0035461	.0000038
28.020	.0356888	.0000455	25.9757004	.0035423	.0000038
28.030	.0356761	.0000454	25.9757004	.0035385	.0000038
28.040	.0356634	.0000454	25.9757004	.0035347	.0000038
28.050	.0356506	.0000453	25.9757004	.0035309	.0000038
28.060	.0356379	.0000453	25.9757004	.0035272	.0000038
28.070	.0356252	.0000452	25.9757004	.0035234	.0000038
28.080	.0356126	.0000452	25.9757004	.0035196	.0000038
28.090	.0355999	.0000451	25.9757004	.0035159	.0000038
28.100	.0355872	.0000451	25.9757004	.0035121	.0000038
28.110	.0355746	.0000450	25.9757004	.0035084	.0000037
28.120	.0355619	.0000450	25.9757004	.0035046	.0000037
28.130	.0355493	.0000449	25.9757004	.0035009	.0000037
28.140	.0355366	.0000449	25.9757004	.0034972	.0000037
28.150	.0355240	.0000448	25.9757004	.0034934	.0000037
28.160	.0355114	.0000448	25.9757004	.0034897	.0000037
28.170	.0354988	.0000447	25.9757004	.0034860	.0000037
28.180	.0354862	.0000447	25.9757004	.0034823	.0000037
28.190	.0354736	.0000446	25.9757004	.0034786	.0000037
28.200	.0354610	.0000446	25.9757004	.0034749	.0000037
28.210	.0354484	.0000445	25.9757004	.0034712	.0000037
28.220	.0354359	.0000445	25.9757004	.0034675	.0000037
28.230	.0354233	.0000444	25.9757004	.0034638	.0000037
28.240	.0354108	.0000444	25.9757004	.0034602	.0000037
28.250	.0353983	.0000444	25.9757004	.0034565	.0000037
28.260	.0353857	.0000443	25.9757004	.0034528	.0000037
28.270	.0353732	.0000443	25.9757004	.0034491	.0000037
28.280	.0353607	.0000442	25.9757004	.0034455	.0000037
28.290	.0353482	.0000442	25.9757004	.0034418	.0000037
28.300	.0353357	.0000441	25.9757004	.0034382	.0000036
28.310	.0353232	.0000441	25.9757004	.0034345	.0000036
28.320	.0353108	.0000440	25.9757004	.0034309	.0000036
28.330	.0352983	.0000440	25.9757004	.0034273	.0000036
28.340	.0352858	.0000439	25.9757004	.0034237	.0000036
28.350	.0352734	.0000439	25.9757004	.0034200	.0000036
28.360	.0352610	.0000438	25.9757004	.0034164	.0000036
28.370	.0352485	.0000438	25.9757004	.0034128	.0000036
28.380	.0352361	.0000437	25.9757004	.0034092	.0000036
28.390	.0352237	.0000437	25.9757004	.0034056	.0000036
28.400	.0352113	.0000437	25.9757004	.0034020	.0000036
28.410	.0351989	.0000436	25.9757004	.0033984	.0000036
28.420	.0351865	.0000436	25.9757004	.0033948	.0000036
28.430	.0351741	.0000435	25.9757004	.0033912	.0000036
28.440	.0351618	.0000435	25.9757004	.0033877	.0000036
28.450	.0351494	.0000434	25.9757004	.0033841	.0000036
28.460	.0351371	.0000434	25.9757004	.0033805	.0000036
28.470	.0351247	.0000433	25.9757004	.0033770	.0000036
28.480	.0351124	.0000433	25.9757004	.0033734	.0000036
28.490	.0351001	.0000432	25.9757004	.0033699	.0000036



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
28.500	.0350877	.0000432	25.9757004	.0033663	.0000035
28.510	.0350754	.0000432	25.9757004	.0033628	.0000035
28.520	.0350631	.0000431	25.9757004	.0033592	.0000035
28.530	.0350508	.0000431	25.9757004	.0033557	.0000035
28.540	.0350386	.0000430	25.9757004	.0033522	.0000035
28.550	.0350263	.0000430	25.9757004	.0033487	.0000035
28.560	.0350140	.0000429	25.9757004	.0033451	.0000035
28.570	.0350018	.0000429	25.9757004	.0033416	.0000035
28.580	.0349895	.0000428	25.9757004	.0033381	.0000035
28.590	.0349773	.0000428	25.9757004	.0033346	.0000035
28.600	.0349651	.0000427	25.9757004	.0033311	.0000035
28.610	.0349528	.0000427	25.9757004	.0033276	.0000035
28.620	.0349406	.0000427	25.9757004	.0033241	.0000035
28.630	.0349284	.0000426	25.9757004	.0033207	.0000035
28.640	.0349162	.0000426	25.9757004	.0033172	.0000035
28.650	.0349040	.0000425	25.9757004	.0033137	.0000035
28.660	.0348919	.0000425	25.9757004	.0033103	.0000035
28.670	.0348797	.0000424	25.9757004	.0033068	.0000035
28.680	.0348675	.0000424	25.9757004	.0033033	.0000035
28.690	.0348554	.0000423	25.9757004	.0032999	.0000035
28.700	.0348432	.0000423	25.9757004	.0032964	.0000034
28.710	.0348311	.0000423	25.9757004	.0032930	.0000034
28.720	.0348190	.0000422	25.9757004	.0032895	.0000034
28.730	.0348068	.0000422	25.9757004	.0032861	.0000034
28.740	.0347947	.0000421	25.9757004	.0032827	.0000034
28.750	.0347826	.0000421	25.9757004	.0032793	.0000034
28.760	.0347705	.0000420	25.9757004	.0032758	.0000034
28.770	.0347585	.0000420	25.9757004	.0032724	.0000034
28.780	.0347464	.0000419	25.9757004	.0032690	.0000034
28.790	.0347343	.0000419	25.9757004	.0032656	.0000034
28.800	.0347222	.0000419	25.9757004	.0032622	.0000034
28.810	.0347102	.0000418	25.9757004	.0032588	.0000034
28.820	.0346981	.0000418	25.9757004	.0032554	.0000034
28.830	.0346861	.0000417	25.9757004	.0032520	.0000034
28.840	.0346741	.0000417	25.9757004	.0032487	.0000034
28.850	.0346621	.0000416	25.9757004	.0032453	.0000034
28.860	.0346501	.0000416	25.9757004	.0032419	.0000034
28.870	.0346381	.0000416	25.9757004	.0032385	.0000034
28.880	.0346261	.0000415	25.9757004	.0032352	.0000034
28.890	.0346141	.0000415	25.9757004	.0032318	.0000034
28.900	.0346021	.0000414	25.9757004	.0032285	.0000034
28.910	.0345901	.0000414	25.9757004	.0032251	.0000033
28.920	.0345782	.0000413	25.9757004	.0032218	.0000033
28.930	.0345662	.0000413	25.9757004	.0032184	.0000033
28.940	.0345543	.0000413	25.9757004	.0032151	.0000033
28.950	.0345423	.0000412	25.9757004	.0032118	.0000033
28.960	.0345304	.0000412	25.9757004	.0032084	.0000033
28.970	.0345185	.0000411	25.9757004	.0032051	.0000033
28.980	.0345066	.0000411	25.9757004	.0032018	.0000033
28.990	.0344947	.0000410	25.9757004	.0031985	.0000033



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
29.000	.0344828	.0000410	25.9757004	.0031952	.0000033
29.010	.0344709	.0000410	25.9757004	.0031919	.0000033
29.020	.0344590	.0000409	25.9757004	.0031886	.0000033
29.030	.0344471	.0000409	25.9757004	.0031853	.0000033
29.040	.0344353	.0000408	25.9757004	.0031820	.0000033
29.050	.0344234	.0000408	25.9757004	.0031787	.0000033
29.060	.0344116	.0000407	25.9757004	.0031754	.0000033
29.070	.0343997	.0000407	25.9757004	.0031722	.0000033
29.080	.0343879	.0000407	25.9757004	.0031689	.0000033
29.090	.0343761	.0000406	25.9757004	.0031656	.0000033
29.100	.0343643	.0000406	25.9757004	.0031624	.0000033
29.110	.0343525	.0000405	25.9757004	.0031591	.0000033
29.120	.0343407	.0000405	25.9757004	.0031558	.0000033
29.130	.0343289	.0000405	25.9757004	.0031526	.0000032
29.140	.0343171	.0000404	25.9757004	.0031493	.0000032
29.150	.0343053	.0000404	25.9757004	.0031461	.0000032
29.160	.0342936	.0000403	25.9757004	.0031429	.0000032
29.170	.0342818	.0000403	25.9757004	.0031396	.0000032
29.180	.0342701	.0000402	25.9757004	.0031364	.0000032
29.190	.0342583	.0000402	25.9757004	.0031332	.0000032
29.200	.0342466	.0000402	25.9757004	.0031300	.0000032
29.210	.0342349	.0000401	25.9757004	.0031268	.0000032
29.220	.0342232	.0000401	25.9757004	.0031236	.0000032
29.230	.0342114	.0000400	25.9757004	.0031203	.0000032
29.240	.0341997	.0000400	25.9757004	.0031171	.0000032
29.250	.0341881	.0000400	25.9757004	.0031140	.0000032
29.260	.0341764	.0000399	25.9757004	.0031108	.0000032
29.270	.0341647	.0000399	25.9757004	.0031076	.0000032
29.280	.0341530	.0000398	25.9757004	.0031044	.0000032
29.290	.0341414	.0000398	25.9757004	.0031012	.0000032
29.300	.0341297	.0000398	25.9757004	.0030980	.0000032
29.310	.0341181	.0000397	25.9757004	.0030949	.0000032
29.320	.0341064	.0000397	25.9757004	.0030917	.0000032
29.330	.0340948	.0000396	25.9757004	.0030885	.0000032
29.340	.0340832	.0000396	25.9757004	.0030854	.0000032
29.350	.0340716	.0000396	25.9757004	.0030822	.0000032
29.360	.0340600	.0000395	25.9757004	.0030791	.0000031
29.370	.0340484	.0000395	25.9757004	.0030759	.0000031
29.380	.0340368	.0000394	25.9757004	.0030728	.0000031
29.390	.0340252	.0000394	25.9757004	.0030697	.0000031
29.400	.0340136	.0000394	25.9757004	.0030665	.0000031
29.410	.0340021	.0000393	25.9757004	.0030634	.0000031
29.420	.0339905	.0000393	25.9757004	.0030603	.0000031
29.430	.0339790	.0000392	25.9757004	.0030572	.0000031
29.440	.0339674	.0000392	25.9757004	.0030540	.0000031
29.450	.0339559	.0000392	25.9757004	.0030509	.0000031
29.460	.0339444	.0000391	25.9757004	.0030478	.0000031
29.470	.0339328	.0000391	25.9757004	.0030447	.0000031
29.480	.0339213	.0000390	25.9757004	.0030416	.0000031
29.490	.0339098	.0000390	25.9757004	.0030385	.0000031

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
29.500	.0338983	.0000390	25.9757004	.0030355	.0000031
29.510	.0338868	.0000389	25.9757004	.0030324	.0000031
29.520	.0338754	.0000389	25.9757004	.0030293	.0000031
29.530	.0338639	.0000388	25.9757004	.0030262	.0000031
29.540	.0338524	.0000388	25.9757004	.0030231	.0000031
29.550	.0338410	.0000388	25.9757004	.0030201	.0000031
29.560	.0338295	.0000387	25.9757004	.0030170	.0000031
29.570	.0338181	.0000387	25.9757004	.0030139	.0000031
29.580	.0338066	.0000386	25.9757004	.0030109	.0000031
29.590	.0337952	.0000386	25.9757004	.0030078	.0000031
29.600	.0337838	.0000386	25.9757004	.0030048	.0000030
29.610	.0337724	.0000385	25.9757004	.0030017	.0000030
29.620	.0337610	.0000385	25.9757004	.0029987	.0000030
29.630	.0337496	.0000384	25.9757004	.0029957	.0000030
29.640	.0337382	.0000384	25.9757004	.0029926	.0000030
29.650	.0337268	.0000384	25.9757004	.0029896	.0000030
29.660	.0337155	.0000383	25.9757004	.0029866	.0000030
29.670	.0337041	.0000383	25.9757004	.0029836	.0000030
29.680	.0336927	.0000382	25.9757004	.0029806	.0000030
29.690	.0336814	.0000382	25.9757004	.0029775	.0000030
29.700	.0336701	.0000382	25.9757004	.0029745	.0000030
29.710	.0336587	.0000381	25.9757004	.0029715	.0000030
29.720	.0336474	.0000381	25.9757004	.0029685	.0000030
29.730	.0336361	.0000381	25.9757004	.0029655	.0000030
29.740	.0336248	.0000380	25.9757004	.0029626	.0000030
29.750	.0336135	.0000380	25.9757004	.0029596	.0000030
29.760	.0336022	.0000379	25.9757004	.0029566	.0000030
29.770	.0335909	.0000379	25.9757004	.0029536	.0000030
29.780	.0335796	.0000379	25.9757004	.0029506	.0000030
29.790	.0335683	.0000378	25.9757004	.0029477	.0000030
29.800	.0335571	.0000378	25.9757004	.0029447	.0000030
29.810	.0335458	.0000377	25.9757004	.0029417	.0000030
29.820	.0335346	.0000377	25.9757004	.0029388	.0000030
29.830	.0335233	.0000377	25.9757004	.0029358	.0000030
29.840	.0335121	.0000376	25.9757004	.0029329	.0000030
29.850	.0335009	.0000376	25.9757004	.0029299	.0000029
29.860	.0334896	.0000376	25.9757004	.0029270	.0000029
29.870	.0334784	.0000375	25.9757004	.0029240	.0000029
29.880	.0334672	.0000375	25.9757004	.0029211	.0000029
29.890	.0334560	.0000374	25.9757004	.0029182	.0000029
29.900	.0334448	.0000374	25.9757004	.0029153	.0000029
29.910	.0334337	.0000374	25.9757004	.0029123	.0000029
29.920	.0334225	.0000373	25.9757004	.0029094	.0000029
29.930	.0334113	.0000373	25.9757004	.0029065	.0000029
29.940	.0334002	.0000373	25.9757004	.0029036	.0000029
29.950	.0333890	.0000372	25.9757004	.0029007	.0000029
29.960	.0333779	.0000372	25.9757004	.0028978	.0000029
29.970	.0333667	.0000371	25.9757004	.0028949	.0000029
29.980	.0333556	.0000371	25.9757004	.0028920	.0000029
29.990	.0333445	.0000371	25.9757004	.0028891	.0000029



# SIMPSON METHOD INTEGRATION

THEIA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
30.000	.03333334	.0000370	25.9757004	.0028862	.0000029
30.100	.03322226	.0000367	25.9757004	.0028575	.00000287
30.200	.03311126	.0000363	25.9757004	.0028292	.00000283
30.300	.03300033	.0000359	25.9757004	.0028013	.00000279
30.400	.03289448	.0000356	25.9757004	.0027738	.00000276
30.500	.03278869	.0000352	25.9757004	.0027466	.00000272
30.600	.0326798	.0000349	25.9757004	.0027197	.00000268
30.700	.0325733	.0000346	25.9757004	.0026932	.00000265
30.800	.0324676	.0000342	25.9757004	.0026671	.00000261
30.900	.0323625	.0000339	25.9757004	.0026413	.00000258
31.000	.0322581	.0000336	25.9757004	.0026158	.00000255
31.100	.0321544	.0000332	25.9757004	.0025906	.00000252
31.200	.0320513	.0000329	25.9757004	.0025658	.00000248
31.300	.0319489	.0000326	25.9757004	.0025413	.00000245
31.400	.0318472	.0000323	25.9757004	.0025171	.00000242
31.500	.0317461	.0000320	25.9757004	.0024932	.00000239
31.600	.0316456	.0000317	25.9757004	.0024696	.00000236
31.700	.0315458	.0000314	25.9757004	.0024463	.00000233
31.800	.0314466	.0000311	25.9757004	.0024233	.00000230
31.900	.0313480	.0000308	25.9757004	.0024006	.00000227
32.000	.0312500	.0000305	25.9757004	.0023782	.00000224
32.100	.0311527	.0000302	25.9757004	.0023560	.00000222
32.200	.0310559	.0000300	25.9757004	.0023341	.00000219
32.300	.0309598	.0000297	25.9757004	.0023125	.00000216
32.400	.0308642	.0000294	25.9757004	.0022912	.00000213
32.500	.0307693	.0000291	25.9757004	.0022701	.00000211
32.600	.0306749	.0000289	25.9757004	.0022492	.00000208
32.700	.0305811	.0000286	25.9757004	.0022287	.00000206
32.800	.0304878	.0000283	25.9757004	.0022083	.00000203
32.900	.0303952	.0000281	25.9757004	.0021883	.00000201
33.000	.0303030	.0000278	25.9757004	.0021684	.00000198
33.100	.0302115	.0000276	25.9757004	.0021488	.00000196
33.200	.0301205	.0000273	25.9757004	.0021295	.00000194
33.300	.0300300	.0000271	25.9757004	.0021104	.00000191
33.400	.0299401	.0000268	25.9757004	.0020915	.00000189
33.500	.0298508	.0000266	25.9757004	.0020728	.00000187
33.600	.0297619	.0000264	25.9757004	.0020543	.00000185
33.700	.0296736	.0000261	25.9757004	.0020361	.00000182
33.800	.0295858	.0000259	25.9757004	.0020181	.00000180
33.900	.0294985	.0000257	25.9757004	.0020003	.00000178
34.000	.0294118	.0000254	25.9757004	.0019827	.00000176
34.100	.0293255	.0000252	25.9757004	.0019653	.00000174
34.200	.0292398	.0000250	25.9757004	.0019481	.00000172
34.300	.0291545	.0000248	25.9757004	.0019311	.00000170
34.400	.0290698	.0000246	25.9757004	.0019143	.00000168
34.500	.0289855	.0000244	25.9757004	.0018977	.00000166
34.600	.0289018	.0000241	25.9757004	.0018813	.00000164
34.700	.0288185	.0000239	25.9757004	.0018651	.00000162
34.800	.0287356	.0000237	25.9757004	.0018491	.00000160
34.900	.0286533	.0000235	25.9757004	.0018332	.00000158



# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
35.000	.0285714	.0000233	25.9757004	.0018175	.0000157
35.100	.0284900	.0000231	25.9757004	.0018021	.0000155
35.200	.0284091	.0000229	25.9757004	.0017867	.0000153
35.300	.0283286	.0000227	25.9757004	.0017716	.0000151
35.400	.0282486	.0000225	25.9757004	.0017566	.0000150
35.500	.0281690	.0000224	25.9757004	.0017418	.0000148
35.600	.0280899	.0000222	25.9757004	.0017272	.0000146
35.700	.0280112	.0000220	25.9757004	.0017127	.0000145
35.800	.0279330	.0000218	25.9757004	.0016984	.0000143
35.900	.0278552	.0000216	25.9757004	.0016842	.0000142
36.000	.0277778	.0000214	25.9757004	.0016703	.0000140
36.100	.0277008	.0000213	25.9757004	.0016564	.0000138
36.200	.0276243	.0000211	25.9757004	.0016427	.0000137
36.300	.0275482	.0000209	25.9757004	.0016292	.0000135
36.400	.0274725	.0000207	25.9757004	.0016158	.0000134
36.500	.0273973	.0000206	25.9757004	.0016025	.0000132
36.600	.0273224	.0000204	25.9757004	.0015894	.0000131
36.700	.0272480	.0000202	25.9757004	.0015765	.0000130
36.800	.0271739	.0000201	25.9757004	.0015637	.0000128
36.900	.0271003	.0000199	25.9757004	.0015510	.0000127
37.000	.0270270	.0000197	25.9757004	.0015385	.0000125
37.100	.0269542	.0000196	25.9757004	.0015260	.0000124
37.200	.0268817	.0000194	25.9757004	.0015138	.0000123
37.300	.0268097	.0000193	25.9757004	.0015016	.0000121
37.400	.0267380	.0000191	25.9757004	.0014896	.0000120
37.500	.0266667	.0000190	25.9757004	.0014777	.0000119
37.600	.0265958	.0000188	25.9757004	.0014660	.0000118
37.700	.0265252	.0000187	25.9757004	.0014543	.0000116
37.800	.0264550	.0000185	25.9757004	.0014428	.0000115
37.900	.0263852	.0000184	25.9757004	.0014314	.0000114
38.000	.0263158	.0000182	25.9757004	.0014202	.0000113
38.100	.0262467	.0000181	25.9757004	.0014090	.0000112
38.200	.0261780	.0000179	25.9757004	.0013980	.0000110
38.300	.0261097	.0000178	25.9757004	.0013871	.0000109
38.400	.0260417	.0000177	25.9757004	.0013762	.0000108
38.500	.0259740	.0000175	25.9757004	.0013655	.0000107
38.600	.0259067	.0000174	25.9757004	.0013550	.0000106
38.700	.0258398	.0000173	25.9757004	.0013445	.0000105
38.800	.0257732	.0000171	25.9757004	.0013341	.0000104
38.900	.0257070	.0000170	25.9757004	.0013239	.0000103
39.000	.0256410	.0000169	25.9757004	.0013137	.0000102
39.100	.0255755	.0000167	25.9757004	.0013036	.0000101
39.200	.0255102	.0000166	25.9757004	.0012937	.0000100
39.300	.0254453	.0000165	25.9757004	.0012838	.0000099
39.400	.0253807	.0000163	25.9757004	.0012741	.0000098
39.500	.0253165	.0000162	25.9757004	.0012644	.0000097
39.600	.0252525	.0000161	25.9757004	.0012549	.0000096
39.700	.0251889	.0000160	25.9757004	.0012454	.0000095
39.800	.0251256	.0000159	25.9757004	.0012361	.0000094
39.900	.0250627	.0000157	25.9757004	.0012268	.0000093

# SIMPSON METHOD INTEGRATION

THETA/T	1/2	1/2**3	INTEGRAL	C/3R	DEL(C/3R)
40.000	.02500000	.0000156	25.9757004	.0012176	.0000092
40.100	.0249377	.0000155	25.9757004	.0012085	.0000091
40.200	.0248756	.0000154	25.9757004	.0011995	.0000090
40.300	.0248139	.0000153	25.9757004	.0011906	.0000089
40.400	.0247525	.0000152	25.9757004	.0011818	.0000088
40.500	.0246914	.0000151	25.9757004	.0011731	.0000087
40.600	.0246306	.0000149	25.9757004	.0011644	.0000086
40.700	.0245700	.0000148	25.9757004	.0011559	.0000086
40.800	.0245098	.0000147	25.9757004	.0011474	.0000085
40.900	.0244499	.0000146	25.9757004	.0011390	.0000084
41.000	.0243903	.0000145	25.9757004	.0011307	.0000083
41.100	.0243309	.0000144	25.9757004	.0011224	.0000082
41.200	.0242719	.0000143	25.9757004	.0011143	.0000082
41.300	.0242131	.0000142	25.9757004	.0011062	.0000081
41.400	.0241546	.0000141	25.9757004	.0010982	.0000080
41.500	.0240964	.0000140	25.9757004	.0010903	.0000079
41.600	.0240385	.0000139	25.9757004	.0010825	.0000078
41.700	.0239808	.0000138	25.9757004	.0010747	.0000078
41.800	.0239235	.0000137	25.9757004	.0010670	.0000077
41.900	.0238664	.0000136	25.9757004	.0010594	.0000076
42.000	.0238095	.0000135	25.9757004	.0010518	.0000075
42.100	.0237530	.0000134	25.9757004	.0010443	.0000075
42.200	.0236967	.0000133	25.9757004	.0010369	.0000074
42.300	.0236407	.0000132	25.9757004	.0010296	.0000073
42.400	.0235849	.0000131	25.9757004	.0010223	.0000073
42.500	.0235294	.0000130	25.9757004	.0010151	.0000072
42.600	.0234742	.0000129	25.9757004	.0010080	.0000071
42.700	.0234192	.0000128	25.9757004	.0010009	.0000071
42.800	.0233645	.0000128	25.9757004	.0009939	.0000070
42.900	.0233100	.0000127	25.9757004	.0009870	.0000069
43.000	.0232558	.0000126	25.9757004	.0009801	.0000069
43.100	.0232019	.0000125	25.9757004	.0009733	.0000068
43.200	.0231482	.0000124	25.9757004	.0009666	.0000067
43.300	.0230947	.0000123	25.9757004	.0009599	.0000067
43.400	.0230415	.0000122	25.9757004	.0009533	.0000066
43.500	.0229885	.0000121	25.9757004	.0009467	.0000066
43.600	.0229358	.0000121	25.9757004	.0009402	.0000065
43.700	.0228833	.0000120	25.9757004	.0009338	.0000064
43.800	.0228311	.0000119	25.9757004	.0009274	.0000064
43.900	.0227791	.0000118	25.9757004	.0009211	.0000063
44.000	.0227273	.0000117	25.9757004	.0009148	.0000063
44.100	.0226757	.0000117	25.9757004	.0009086	.0000062
44.200	.0226244	.0000116	25.9757004	.0009024	.0000062
44.300	.0225734	.0000115	25.9757004	.0008964	.0000061
44.400	.0225225	.0000114	25.9757004	.0008903	.0000060
44.500	.0224719	.0000113	25.9757004	.0008843	.0000060
44.600	.0224215	.0000113	25.9757004	.0008784	.0000059
44.700	.0223714	.0000112	25.9757004	.0008725	.0000059
44.800	.0223214	.0000111	25.9757004	.0008667	.0000058
44.900	.0222717	.0000110	25.9757004	.0008609	.0000058



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
45.000	.02222222	.0000110	25.9757004	.0008552	.0000057
45.100	.0221730	.0000109	25.9757004	.0008495	.0000057
45.200	.0221239	.0000108	25.9757004	.0008439	.0000056
45.300	.0220751	.0000108	25.9757004	.0008383	.0000056
45.400	.0220264	.0000107	25.9757004	.0008328	.0000055
45.500	.0219780	.0000106	25.9757004	.0008273	.0000055
45.600	.0219298	.0000105	25.9757004	.0008219	.0000054
45.700	.0218818	.0000105	25.9757004	.0008165	.0000054
45.800	.0218341	.0000104	25.9757004	.0008111	.0000053
45.900	.0217865	.0000103	25.9757004	.0008058	.0000053
46.000	.0217391	.0000103	25.9757004	.0008006	.0000052
46.100	.0216920	.0000102	25.9757004	.0007954	.0000052
46.200	.0216450	.0000101	25.9757004	.0007902	.0000052
46.300	.0215983	.0000101	25.9757004	.0007851	.0000051
46.400	.0215517	.0000100	25.9757004	.0007801	.0000051
46.500	.0215054	.0000099	25.9757004	.0007751	.0000050
46.600	.0214592	.0000099	25.9757004	.0007701	.0000050
46.700	.0214133	.0000098	25.9757004	.0007651	.0000049
46.800	.0213675	.0000098	25.9757004	.0007602	.0000049
46.900	.0213220	.0000097	25.9757004	.0007554	.0000049
47.000	.0212766	.0000096	25.9757004	.0007506	.0000048
47.100	.0212314	.0000096	25.9757004	.0007458	.0000048
47.200	.0211865	.0000095	25.9757004	.0007411	.0000047
47.300	.0211417	.0000094	25.9757004	.0007364	.0000047
47.400	.0210971	.0000094	25.9757004	.0007317	.0000047
47.500	.0210526	.0000093	25.9757004	.0007271	.0000046
47.600	.0210084	.0000093	25.9757004	.0007226	.0000046
47.700	.0209644	.0000092	25.9757004	.0007180	.0000045
47.800	.0209205	.0000092	25.9757004	.0007135	.0000045
47.900	.0208768	.0000091	25.9757004	.0007091	.0000045
48.000	.0208333	.0000090	25.9757004	.0007046	.0000044
48.100	.0207900	.0000090	25.9757004	.0007003	.0000044
48.200	.0207469	.0000089	25.9757004	.0006959	.0000043
48.300	.0207039	.0000089	25.9757004	.0006916	.0000043
48.400	.0206612	.0000088	25.9757004	.0006873	.0000043
48.500	.0206186	.0000088	25.9757004	.0006831	.0000042
48.600	.0205761	.0000087	25.9757004	.0006789	.0000042
48.700	.0205339	.0000087	25.9757004	.0006747	.0000042
48.800	.0204918	.0000086	25.9757004	.0006705	.0000041
48.900	.0204499	.0000086	25.9757004	.0006664	.0000041
49.000	.0204082	.0000085	25.9757004	.0006624	.0000041
49.100	.0203666	.0000084	25.9757004	.0006583	.0000040
49.200	.0203252	.0000084	25.9757004	.0006543	.0000040
49.300	.0202840	.0000083	25.9757004	.0006504	.0000040
49.400	.0202429	.0000083	25.9757004	.0006464	.0000039
49.500	.0202020	.0000082	25.9757004	.0006425	.0000039
49.600	.0201613	.0000082	25.9757004	.0006386	.0000039
49.700	.0201207	.0000081	25.9757004	.0006348	.0000038
49.800	.0200803	.0000081	25.9757004	.0006310	.0000038
49.900	.0200401	.0000080	25.9757004	.0006272	.0000038



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
50.000	.02000000	.00000080	25.9757004	.0006234	.0000038
50.100	.0199601	.00000080	25.9757004	.0006157	.0000037
50.200	.0199203	.00000079	25.9757004	.0006160	.0000037
50.300	.0198807	.00000079	25.9757004	.0006123	.0000037
50.400	.0198413	.00000078	25.9757004	.0006087	.0000036
50.500	.0198020	.00000078	25.9757004	.0006051	.0000036
50.600	.0197629	.00000077	25.9757004	.0006015	.0000036
50.700	.0197239	.00000077	25.9757004	.0005980	.0000036
50.800	.0196850	.00000076	25.9757004	.0005944	.0000035
50.900	.0196464	.00000076	25.9757004	.0005909	.0000035
51.000	.0196079	.00000075	25.9757004	.0005875	.0000035
51.100	.0195695	.00000075	25.9757004	.0005840	.0000034
51.200	.0195313	.00000075	25.9757004	.0005806	.0000034
51.300	.0194932	.00000074	25.9757004	.0005772	.0000034
51.400	.0194553	.00000074	25.9757004	.0005739	.0000034
51.500	.0194175	.00000073	25.9757004	.0005705	.0000033
51.600	.0193799	.00000073	25.9757004	.0005672	.0000033
51.700	.0193424	.00000072	25.9757004	.0005639	.0000033
51.800	.0193050	.00000072	25.9757004	.0005607	.0000033
51.900	.0192678	.00000072	25.9757004	.0005574	.0000032
52.000	.0192308	.00000071	25.9757004	.0005542	.0000032
52.100	.0191939	.00000071	25.9757004	.0005510	.0000032
52.200	.0191571	.00000070	25.9757004	.0005479	.0000032
52.300	.0191205	.00000070	25.9757004	.0005447	.0000031
52.400	.0190840	.00000070	25.9757004	.0005416	.0000031
52.500	.0190476	.00000069	25.9757004	.0005385	.0000031
52.600	.0190114	.00000069	25.9757004	.0005355	.0000031
52.700	.0189753	.00000068	25.9757004	.0005324	.0000030
52.800	.0189394	.00000068	25.9757004	.0005294	.0000030
52.900	.0189036	.00000068	25.9757004	.0005264	.0000030
53.000	.0188679	.00000067	25.9757004	.0005234	.0000030
53.100	.0188324	.00000067	25.9757004	.0005205	.0000030
53.200	.0187970	.00000066	25.9757004	.0005176	.0000029
53.300	.0187617	.00000066	25.9757004	.0005146	.0000029
53.400	.0187266	.00000066	25.9757004	.0005118	.0000029
53.500	.0186916	.00000065	25.9757004	.0005089	.0000029
53.600	.0186567	.00000065	25.9757004	.0005061	.0000028
53.700	.0186220	.00000065	25.9757004	.0005032	.0000028
53.800	.0185874	.00000064	25.9757004	.0005004	.0000028
53.900	.0185529	.00000064	25.9757004	.0004976	.0000028
54.000	.0185185	.00000064	25.9757004	.0004949	.0000028
54.100	.0184843	.00000063	25.9757004	.0004921	.0000027
54.200	.0184502	.00000063	25.9757004	.0004894	.0000027
54.300	.0184162	.00000062	25.9757004	.0004867	.0000027
54.400	.0183824	.00000062	25.9757004	.0004841	.0000027
54.500	.0183486	.00000062	25.9757004	.0004814	.0000027
54.600	.0183150	.00000061	25.9757004	.0004788	.0000026
54.700	.0182815	.00000061	25.9757004	.0004761	.0000026
54.800	.0182482	.00000061	25.9757004	.0004735	.0000026
54.900	.0182149	.00000060	25.9757004	.0004709	.0000026

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
55.000	.0181818	.0000060	25.9757004	.0004684	.0000026
55.100	.0181488	.0000060	25.9757004	.0004658	.0000025
55.200	.0181159	.0000059	25.9757004	.0004633	.0000025
55.300	.0180832	.0000059	25.9757004	.0004608	.0000025
55.400	.0180505	.0000059	25.9757004	.0004583	.0000025
55.500	.0180180	.0000058	25.9757004	.0004558	.0000025
55.600	.0179856	.0000058	25.9757004	.0004534	.0000025
55.700	.0179533	.0000058	25.9757004	.0004509	.0000024
55.800	.0179212	.0000058	25.9757004	.0004485	.0000024
55.900	.0178891	.0000057	25.9757004	.0004461	.0000024
56.000	.0178571	.0000057	25.9757004	.0004437	.0000024
56.100	.0178253	.0000057	25.9757004	.0004414	.0000024
56.200	.0177936	.0000056	25.9757004	.0004390	.0000024
56.300	.0177620	.0000056	25.9757004	.0004367	.0000023
56.400	.0177305	.0000056	25.9757004	.0004344	.0000023
56.500	.0176991	.0000055	25.9757004	.0004321	.0000023
56.600	.0176679	.0000055	25.9757004	.0004298	.0000023
56.700	.0176367	.0000055	25.9757004	.0004275	.0000023
56.800	.0176056	.0000055	25.9757004	.0004252	.0000023
56.900	.0175747	.0000054	25.9757004	.0004230	.0000022
57.000	.0175439	.0000054	25.9757004	.0004208	.0000022
57.100	.0175131	.0000054	25.9757004	.0004186	.0000022
57.200	.0174825	.0000053	25.9757004	.0004164	.0000022
57.300	.0174520	.0000053	25.9757004	.0004142	.0000022
57.400	.0174216	.0000053	25.9757004	.0004121	.0000022
57.500	.0173913	.0000053	25.9757004	.0004099	.0000021
57.600	.0173611	.0000052	25.9757004	.0004078	.0000021
57.700	.0173310	.0000052	25.9757004	.0004057	.0000021
57.800	.0173010	.0000052	25.9757004	.0004036	.0000021
57.900	.0172712	.0000052	25.9757004	.0004015	.0000021
58.000	.0172414	.0000051	25.9757004	.0003994	.0000021
58.100	.0172117	.0000051	25.9757004	.0003973	.0000021
58.200	.0171821	.0000051	25.9757004	.0003953	.0000020
58.300	.0171527	.0000050	25.9757004	.0003933	.0000020
58.400	.0171233	.0000050	25.9757004	.0003912	.0000020
58.500	.0170940	.0000050	25.9757004	.0003892	.0000020
58.600	.0170649	.0000050	25.9757004	.0003873	.0000020
58.700	.0170358	.0000049	25.9757004	.0003853	.0000020
58.800	.0170068	.0000049	25.9757004	.0003833	.0000020
58.900	.0169779	.0000049	25.9757004	.0003814	.0000019
59.000	.0169492	.0000049	25.9757004	.0003794	.0000019
59.100	.0169205	.0000048	25.9757004	.0003775	.0000019
59.200	.0168919	.0000048	25.9757004	.0003756	.0000019
59.300	.0168634	.0000048	25.9757004	.0003737	.0000019
59.400	.0168350	.0000048	25.9757004	.0003718	.0000019
59.500	.0168067	.0000047	25.9757004	.0003699	.0000019
59.600	.0167785	.0000047	25.9757004	.0003681	.0000019
59.700	.0167504	.0000047	25.9757004	.0003662	.0000018
59.800	.0167224	.0000047	25.9757004	.0003644	.0000018
59.900	.0166945	.0000047	25.9757004	.0003626	.0000018



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
60.000	.0166667	.0000046	25.9757004	.0003608	.0000018
60.100	.0166389	.0000046	25.9757004	.0003590	.0000018
60.200	.0166113	.0000046	25.9757004	.0003572	.0000018
60.300	.0165838	.0000046	25.9757004	.0003554	.0000018
60.400	.0165563	.0000045	25.9757004	.0003537	.0000018
60.500	.0165289	.0000045	25.9757004	.0003519	.0000018
60.600	.0165017	.0000045	25.9757004	.0003502	.0000017
60.700	.0164745	.0000045	25.9757004	.0003484	.0000017
60.800	.0164474	.0000044	25.9757004	.0003467	.0000017
60.900	.0164204	.0000044	25.9757004	.0003450	.0000017
61.000	.0163934	.0000044	25.9757004	.0003433	.0000017
61.100	.0163666	.0000044	25.9757004	.0003416	.0000017
61.200	.0163399	.0000044	25.9757004	.0003400	.0000017
61.300	.0163132	.0000043	25.9757004	.0003383	.0000017
61.400	.0162867	.0000043	25.9757004	.0003367	.0000017
61.500	.0162602	.0000043	25.9757004	.0003350	.0000016
61.600	.0162338	.0000043	25.9757004	.0003334	.0000016
61.700	.0162075	.0000043	25.9757004	.0003318	.0000016
61.800	.0161812	.0000042	25.9757004	.0003302	.0000016
61.900	.0161551	.0000042	25.9757004	.0003286	.0000016
62.000	.0161290	.0000042	25.9757004	.0003270	.0000016
62.100	.0161031	.0000042	25.9757004	.0003254	.0000016
62.200	.0160772	.0000042	25.9757004	.0003238	.0000016
62.300	.0160514	.0000041	25.9757004	.0003223	.0000016
62.400	.0160256	.0000041	25.9757004	.0003207	.0000015
62.500	.0160000	.0000041	25.9757004	.0003192	.0000015
62.600	.0159744	.0000041	25.9757004	.0003177	.0000015
62.700	.0159490	.0000041	25.9757004	.0003161	.0000015
62.800	.0159236	.0000040	25.9757004	.0003146	.0000015
62.900	.0158983	.0000040	25.9757004	.0003131	.0000015
63.000	.0158730	.0000040	25.9757004	.0003117	.0000015
63.100	.0158479	.0000040	25.9757004	.0003102	.0000015
63.200	.0158228	.0000040	25.9757004	.0003087	.0000015
63.300	.0157978	.0000039	25.9757004	.0003072	.0000015
63.400	.0157729	.0000039	25.9757004	.0003058	.0000015
63.500	.0157480	.0000039	25.9757004	.0003043	.0000014
63.600	.0157233	.0000039	25.9757004	.0003029	.0000014
63.700	.0156986	.0000039	25.9757004	.0003015	.0000014
63.800	.0156740	.0000039	25.9757004	.0003001	.0000014
63.900	.0156495	.0000038	25.9757004	.0002987	.0000014
64.000	.0156250	.0000038	25.9757004	.0002973	.0000014
64.100	.0156006	.0000038	25.9757004	.0002959	.0000014
64.200	.0155763	.0000038	25.9757004	.0002945	.0000014
64.300	.0155521	.0000038	25.9757004	.0002931	.0000014
64.400	.0155280	.0000037	25.9757004	.0002918	.0000014
64.500	.0155039	.0000037	25.9757004	.0002904	.0000014
64.600	.0154799	.0000037	25.9757004	.0002891	.0000013
64.700	.0154560	.0000037	25.9757004	.0002877	.0000013
64.800	.0154321	.0000037	25.9757004	.0002864	.0000013
64.900	.0154083	.0000037	25.9757004	.0002851	.0000013



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
65.000	.0153846	.0000036	25.9757004	.0002838	.0000013
65.100	.0153610	.0000036	25.9757004	.0002825	.0000013
65.200	.0153374	.0000036	25.9757004	.0002812	.0000013
65.300	.0153139	.0000036	25.9757004	.0002799	.0000013
65.400	.0152905	.0000036	25.9757004	.0002786	.0000013
65.500	.0152672	.0000036	25.9757004	.0002773	.0000013
65.600	.0152439	.0000035	25.9757004	.0002760	.0000013
65.700	.0152207	.0000035	25.9757004	.0002748	.0000013
65.800	.0151976	.0000035	25.9757004	.0002735	.0000013
65.900	.0151745	.0000035	25.9757004	.0002723	.0000012
66.000	.0151515	.0000035	25.9757004	.0002711	.0000012
66.100	.0151286	.0000035	25.9757004	.0002698	.0000012
66.200	.0151057	.0000034	25.9757004	.0002686	.0000012
66.300	.0150830	.0000034	25.9757004	.0002674	.0000012
66.400	.0150602	.0000034	25.9757004	.0002662	.0000012
66.500	.0150376	.0000034	25.9757004	.0002650	.0000012
66.600	.0150150	.0000034	25.9757004	.0002638	.0000012
66.700	.0149925	.0000034	25.9757004	.0002626	.0000012
66.800	.0149701	.0000034	25.9757004	.0002614	.0000012
66.900	.0149477	.0000033	25.9757004	.0002603	.0000012
67.000	.0149254	.0000033	25.9757004	.0002591	.0000012
67.100	.0149031	.0000033	25.9757004	.0002579	.0000012
67.200	.0148810	.0000033	25.9757004	.0002568	.0000011
67.300	.0148588	.0000033	25.9757004	.0002556	.0000011
67.400	.0148368	.0000033	25.9757004	.0002545	.0000011
67.500	.0148148	.0000033	25.9757004	.0002534	.0000011
67.600	.0147929	.0000032	25.9757004	.0002523	.0000011
67.700	.0147711	.0000032	25.9757004	.0002511	.0000011
67.800	.0147493	.0000032	25.9757004	.0002500	.0000011
67.900	.0147275	.0000032	25.9757004	.0002489	.0000011
68.000	.0147059	.0000032	25.9757004	.0002478	.0000011
68.100	.0146843	.0000032	25.9757004	.0002467	.0000011
68.200	.0146628	.0000032	25.9757004	.0002457	.0000011
68.300	.0146413	.0000031	25.9757004	.0002446	.0000011
68.400	.0146199	.0000031	25.9757004	.0002435	.0000011
68.500	.0145985	.0000031	25.9757004	.0002424	.0000011
68.600	.0145773	.0000031	25.9757004	.0002414	.0000011
68.700	.0145560	.0000031	25.9757004	.0002403	.0000011
68.800	.0145349	.0000031	25.9757004	.0002393	.0000010
68.900	.0145138	.0000031	25.9757004	.0002382	.0000010
69.000	.0144928	.0000030	25.9757004	.0002372	.0000010
69.100	.0144718	.0000030	25.9757004	.0002362	.0000010
69.200	.0144509	.0000030	25.9757004	.0002352	.0000010
69.300	.0144300	.0000030	25.9757004	.0002341	.0000010
69.400	.0144092	.0000030	25.9757004	.0002331	.0000010
69.500	.0143885	.0000030	25.9757004	.0002321	.0000010
69.600	.0143678	.0000030	25.9757004	.0002311	.0000010
69.700	.0143472	.0000030	25.9757004	.0002301	.0000010
69.800	.0143267	.0000029	25.9757004	.0002292	.0000010
69.900	.0143062	.0000029	25.9757004	.0002282	.0000010

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
70.000	.0142857	.00000029	25.9757004	.0002272	.0000010
70.100	.0142653	.00000029	25.9757004	.0002262	.0000010
70.200	.0142450	.00000029	25.9757004	.0002253	.0000010
70.300	.0142248	.00000029	25.9757004	.0002243	.0000010
70.400	.0142045	.00000029	25.9757004	.0002233	.0000010
70.500	.0141844	.00000029	25.9757004	.0002224	.0000009
70.600	.0141643	.00000028	25.9757004	.0002214	.0000009
70.700	.0141443	.00000028	25.9757004	.0002205	.0000009
70.800	.0141243	.00000028	25.9757004	.0002196	.0000009
70.900	.0141044	.00000028	25.9757004	.0002187	.0000009
71.000	.0140845	.00000028	25.9757004	.0002177	.0000009
71.100	.0140647	.00000028	25.9757004	.0002168	.0000009
71.200	.0140449	.00000028	25.9757004	.0002159	.0000009
71.300	.0140252	.00000028	25.9757004	.0002150	.0000009
71.400	.0140056	.00000027	25.9757004	.0002141	.0000009
71.500	.0139860	.00000027	25.9757004	.0002132	.0000009
71.600	.0139665	.00000027	25.9757004	.0002123	.0000009
71.700	.0139470	.00000027	25.9757004	.0002114	.0000009
71.800	.0139276	.00000027	25.9757004	.0002105	.0000009
71.900	.0139082	.00000027	25.9757004	.0002097	.0000009
72.000	.0138889	.00000027	25.9757004	.0002088	.0000009
72.100	.0138696	.00000027	25.9757004	.0002079	.0000009
72.200	.0138504	.00000027	25.9757004	.0002071	.0000009
72.300	.0138313	.00000026	25.9757004	.0002062	.0000009
72.400	.0138122	.00000026	25.9757004	.0002053	.0000009
72.500	.0137931	.00000026	25.9757004	.0002045	.0000008
72.600	.0137741	.00000026	25.9757004	.0002036	.0000008
72.700	.0137552	.00000026	25.9757004	.0002028	.0000008
72.800	.0137363	.00000026	25.9757004	.0002020	.0000008
72.900	.0137174	.00000026	25.9757004	.0002011	.0000008
73.000	.0136986	.00000026	25.9757004	.0002003	.0000008
73.100	.0136799	.00000026	25.9757004	.0001995	.0000008
73.200	.0136612	.00000025	25.9757004	.0001987	.0000008
73.300	.0136426	.00000025	25.9757004	.0001979	.0000008
73.400	.0136240	.00000025	25.9757004	.0001971	.0000008
73.500	.0136054	.00000025	25.9757004	.0001963	.0000008
73.600	.0135870	.00000025	25.9757004	.0001955	.0000008
73.700	.0135685	.00000025	25.9757004	.0001947	.0000008
73.800	.0135501	.00000025	25.9757004	.0001939	.0000008
73.900	.0135318	.00000025	25.9757004	.0001931	.0000008
74.000	.0135135	.00000025	25.9757004	.0001923	.0000008
74.100	.0134953	.00000025	25.9757004	.0001915	.0000008
74.200	.0134771	.00000024	25.9757004	.0001908	.0000008
74.300	.0134590	.00000024	25.9757004	.0001900	.0000008
74.400	.0134409	.00000024	25.9757004	.0001892	.0000008
74.500	.0134228	.00000024	25.9757004	.0001885	.0000008
74.600	.0134048	.00000024	25.9757004	.0001877	.0000008
74.700	.0133869	.00000024	25.9757004	.0001870	.0000008
74.800	.0133690	.00000024	25.9757004	.0001862	.0000007
74.900	.0133511	.00000024	25.9757004	.0001855	.0000007



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
75.000	.01333333	.0000024	25.9757004	.0001847	.0000007
75.100	.0133156	.0000024	25.9757004	.0001840	.0000007
75.200	.0132979	.0000024	25.9757004	.0001832	.0000007
75.300	.0132802	.0000023	25.9757004	.0001825	.0000007
75.400	.0132626	.0000023	25.9757004	.0001818	.0000007
75.500	.0132450	.0000023	25.9757004	.0001811	.0000007
75.600	.0132275	.0000023	25.9757004	.0001804	.0000007
75.700	.0132100	.0000023	25.9757004	.0001796	.0000007
75.800	.0131926	.0000023	25.9757004	.0001789	.0000007
75.900	.0131752	.0000023	25.9757004	.0001782	.0000007
76.000	.0131579	.0000023	25.9757004	.0001775	.0000007
76.100	.0131406	.0000023	25.9757004	.0001768	.0000007
76.200	.0131234	.0000023	25.9757004	.0001761	.0000007
76.300	.0131062	.0000023	25.9757004	.0001754	.0000007
76.400	.0130890	.0000022	25.9757004	.0001747	.0000007
76.500	.0130719	.0000022	25.9757004	.0001741	.0000007
76.600	.0130548	.0000022	25.9757004	.0001734	.0000007
76.700	.0130378	.0000022	25.9757004	.0001727	.0000007
76.800	.0130208	.0000022	25.9757004	.0001720	.0000007
76.900	.0130039	.0000022	25.9757004	.0001714	.0000007
77.000	.0129870	.0000022	25.9757004	.0001707	.0000007
77.100	.0129702	.0000022	25.9757004	.0001700	.0000007
77.200	.0129534	.0000022	25.9757004	.0001694	.0000007
77.300	.0129366	.0000022	25.9757004	.0001687	.0000007
77.400	.0129199	.0000022	25.9757004	.0001681	.0000007
77.500	.0129032	.0000021	25.9757004	.0001674	.0000006
77.600	.0128866	.0000021	25.9757004	.0001668	.0000006
77.700	.0128700	.0000021	25.9757004	.0001661	.0000006
77.800	.0128535	.0000021	25.9757004	.0001655	.0000006
77.900	.0128370	.0000021	25.9757004	.0001648	.0000006
78.000	.0128205	.0000021	25.9757004	.0001642	.0000006
78.100	.0128041	.0000021	25.9757004	.0001636	.0000006
78.200	.0127877	.0000021	25.9757004	.0001630	.0000006
78.300	.0127714	.0000021	25.9757004	.0001623	.0000006
78.400	.0127551	.0000021	25.9757004	.0001617	.0000006
78.500	.0127389	.0000021	25.9757004	.0001611	.0000006
78.600	.0127226	.0000021	25.9757004	.0001605	.0000006
78.700	.0127065	.0000021	25.9757004	.0001599	.0000006
78.800	.0126904	.0000020	25.9757004	.0001593	.0000006
78.900	.0126743	.0000020	25.9757004	.0001587	.0000006
79.000	.0126582	.0000020	25.9757004	.0001581	.0000006
79.100	.0126422	.0000020	25.9757004	.0001575	.0000006
79.200	.0126263	.0000020	25.9757004	.0001569	.0000006
79.300	.0126103	.0000020	25.9757004	.0001563	.0000006
79.400	.0125945	.0000020	25.9757004	.0001557	.0000006
79.500	.0125786	.0000020	25.9757004	.0001551	.0000006
79.600	.0125628	.0000020	25.9757004	.0001545	.0000006
79.700	.0125471	.0000020	25.9757004	.0001539	.0000006
79.800	.0125313	.0000020	25.9757004	.0001533	.0000006
79.900	.0125156	.0000020	25.9757004	.0001528	.0000006



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
80.000	.0125000	.0000020	25.9757004	.0001522	.0000006
80.100	.0124844	.0000019	25.9757004	.0001516	.0000006
80.200	.0124688	.0000019	25.9757004	.0001511	.0000006
80.300	.0124533	.0000019	25.9757004	.0001505	.0000006
80.400	.0124378	.0000019	25.9757004	.0001499	.0000006
80.500	.0124224	.0000019	25.9757004	.0001494	.0000006
80.600	.0124070	.0000019	25.9757004	.0001488	.0000006
80.700	.0123916	.0000019	25.9757004	.0001483	.0000006
80.800	.0123762	.0000019	25.9757004	.0001477	.0000005
80.900	.0123609	.0000019	25.9757004	.0001472	.0000005
81.000	.0123457	.0000019	25.9757004	.0001466	.0000005
81.100	.0123305	.0000019	25.9757004	.0001461	.0000005
81.200	.0123153	.0000019	25.9757004	.0001456	.0000005
81.300	.0123001	.0000019	25.9757004	.0001450	.0000005
81.400	.0122850	.0000019	25.9757004	.0001445	.0000005
81.500	.0122699	.0000018	25.9757004	.0001440	.0000005
81.600	.0122549	.0000018	25.9757004	.0001434	.0000005
81.700	.0122399	.0000018	25.9757004	.0001429	.0000005
81.800	.0122249	.0000018	25.9757004	.0001424	.0000005
81.900	.0122100	.0000018	25.9757004	.0001419	.0000005
82.000	.0121951	.0000018	25.9757004	.0001413	.0000005
82.100	.0121803	.0000018	25.9757004	.0001408	.0000005
82.200	.0121655	.0000018	25.9757004	.0001403	.0000005
82.300	.0121507	.0000018	25.9757004	.0001398	.0000005
82.400	.0121359	.0000018	25.9757004	.0001393	.0000005
82.500	.0121212	.0000018	25.9757004	.0001388	.0000005
82.600	.0121065	.0000018	25.9757004	.0001383	.0000005
82.700	.0120919	.0000018	25.9757004	.0001378	.0000005
82.800	.0120773	.0000018	25.9757004	.0001373	.0000005
82.900	.0120627	.0000018	25.9757004	.0001368	.0000005
83.000	.0120482	.0000017	25.9757004	.0001363	.0000005
83.100	.0120337	.0000017	25.9757004	.0001358	.0000005
83.200	.0120192	.0000017	25.9757004	.0001353	.0000005
83.300	.0120048	.0000017	25.9757004	.0001348	.0000005
83.400	.0119904	.0000017	25.9757004	.0001343	.0000005
83.500	.0119761	.0000017	25.9757004	.0001339	.0000005
83.600	.0119617	.0000017	25.9757004	.0001334	.0000005
83.700	.0119474	.0000017	25.9757004	.0001329	.0000005
83.800	.0119332	.0000017	25.9757004	.0001324	.0000005
83.900	.0119190	.0000017	25.9757004	.0001319	.0000005
84.000	.0119048	.0000017	25.9757004	.0001315	.0000005
84.100	.0118906	.0000017	25.9757004	.0001310	.0000005
84.200	.0118765	.0000017	25.9757004	.0001305	.0000005
84.300	.0118624	.0000017	25.9757004	.0001301	.0000005
84.400	.0118483	.0000017	25.9757004	.0001296	.0000005
84.500	.0118343	.0000017	25.9757004	.0001292	.0000005
84.600	.0118203	.0000017	25.9757004	.0001287	.0000005
84.700	.0118064	.0000016	25.9757004	.0001282	.0000005
84.800	.0117925	.0000016	25.9757004	.0001278	.0000005
84.900	.0117786	.0000016	25.9757004	.0001273	.0000005

# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
85.000	.0117647	.0000016	25.9757CC4	.0001269	.CC000004
85.100	.0117509	.0000016	25.9757CC4	.0001264	.CC000004
85.200	.0117371	.0000016	25.9757CC4	.0001260	.00000004
85.300	.0117233	.0000016	25.9757CC4	.0001256	.CC000004
85.400	.0117096	.0000016	25.9757CC4	.0001251	.CC000004
85.500	.0116959	.0000016	25.9757CC4	.0001247	.CC000004
85.600	.0116822	.0000016	25.9757CC4	.0001242	.00000004
85.700	.0116686	.0000016	25.9757CC4	.0001238	.CC000004
85.800	.0116550	.0000016	25.9757CC4	.0001234	.CC000004
85.900	.0116414	.0000016	25.9757CC4	.0001229	.CC000004
86.000	.0116279	.0000016	25.9757CC4	.0001225	.00000004
86.100	.0116144	.0000016	25.9757CC4	.0001221	.CC000004
86.200	.0116009	.0000016	25.9757CC4	.0001217	.CC000004
86.300	.0115875	.0000016	25.9757CC4	.0001212	.00000004
86.400	.0115741	.0000016	25.9757CC4	.0001208	.00000004
86.500	.0115607	.0000016	25.9757CC4	.0001204	.CC000004
86.600	.0115473	.0000015	25.9757CC4	.0001200	.CC000004
86.700	.0115340	.0000015	25.9757CC4	.0001196	.00000004
86.800	.0115207	.0000015	25.9757CC4	.0001192	.00000004
86.900	.0115075	.0000015	25.9757CC4	.0001187	.CC000004
87.000	.0114943	.0000015	25.9757CC4	.0001183	.CC000004
87.100	.0114811	.0000015	25.9757CC4	.0001179	.00000004
87.200	.0114679	.0000015	25.9757CC4	.0001175	.00000004
87.300	.0114548	.0000015	25.9757CC4	.0001171	.CC000004
87.400	.0114417	.0000015	25.9757CC4	.0001167	.CC000004
87.500	.0114286	.0000015	25.9757CC4	.0001163	.00000004
87.600	.0114155	.0000015	25.9757CC4	.0001159	.00000004
87.700	.0114025	.0000015	25.9757CC4	.0001155	.CC000004
87.800	.0113895	.0000015	25.9757CC4	.0001151	.CC000004
87.900	.0113766	.0000015	25.9757CC4	.0001147	.00000004
88.000	.0113636	.0000015	25.9757CC4	.0001144	.CC000004
88.100	.0113507	.0000015	25.9757CC4	.0001140	.CC000004
88.200	.0113379	.0000015	25.9757CC4	.0001136	.CC000004
88.300	.0113250	.0000015	25.9757CC4	.0001132	.00000004
88.400	.0113122	.0000014	25.9757CC4	.0001128	.CC000004
88.500	.0112994	.0000014	25.9757CC4	.0001124	.CC000004
88.600	.0112867	.0000014	25.9757CC4	.0001120	.CC000004
88.700	.0112740	.0000014	25.9757CC4	.0001117	.00000004
88.800	.0112613	.0000014	25.9757CC4	.0001113	.CC000004
88.900	.0112486	.0000014	25.9757CC4	.0001109	.CC000004
89.000	.0112360	.0000014	25.9757CC4	.0001105	.CC000004
89.100	.0112233	.0000014	25.9757CC4	.0001102	.00000004
89.200	.0112108	.0000014	25.9757CC4	.0001098	.CC000004
89.300	.0111982	.0000014	25.9757CC4	.0001094	.CC000004
89.400	.0111857	.0000014	25.9757CC4	.0001091	.00000004
89.500	.0111732	.0000014	25.9757CC4	.0001087	.00000004
89.600	.0111607	.0000014	25.9757CC4	.0001083	.00000004
89.700	.0111483	.0000014	25.9757CC4	.0001080	.CC000004
89.800	.0111359	.0000014	25.9757CC4	.0001076	.00000004
89.900	.0111235	.0000014	25.9757CC4	.0001073	.00000004



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL (C/3R)
90.000	.01111111	.00000014	25.9757004	.0001069	.0000004
90.100	.0110988	.00000014	25.9757004	.0001065	.0000004
90.200	.0110865	.00000014	25.9757004	.0001062	.0000004
90.300	.0110742	.00000014	25.9757004	.0001058	.0000004
90.400	.0110619	.00000014	25.9757004	.0001055	.0000004
90.500	.0110497	.00000013	25.9757004	.0001051	.0000003
90.600	.0110375	.00000013	25.9757004	.0001048	.0000003
90.700	.0110254	.00000013	25.9757004	.0001044	.0000003
90.800	.0110132	.00000013	25.9757004	.0001041	.0000003
90.900	.0110011	.00000013	25.9757004	.0001038	.0000003
91.000	.0109890	.00000013	25.9757004	.0001034	.0000003
91.100	.0109770	.00000013	25.9757004	.0001031	.0000003
91.200	.0109649	.00000013	25.9757004	.0001027	.0000003
91.300	.0109529	.00000013	25.9757004	.0001024	.0000003
91.400	.0109409	.00000013	25.9757004	.0001021	.0000003
91.500	.0109290	.00000013	25.9757004	.0001017	.0000003
91.600	.0109170	.00000013	25.9757004	.0001014	.0000003
91.700	.0109051	.00000013	25.9757004	.0001011	.0000003
91.800	.0108932	.00000013	25.9757004	.0001007	.0000003
91.900	.0108814	.00000013	25.9757004	.0001004	.0000003
92.000	.0108696	.00000013	25.9757004	.0001001	.0000003
92.100	.0108578	.00000013	25.9757004	.0000997	.0000003
92.200	.0108460	.00000013	25.9757004	.0000994	.0000003
92.300	.0108342	.00000013	25.9757004	.0000991	.0000003
92.400	.0108225	.00000013	25.9757004	.0000988	.0000003
92.500	.0108108	.00000013	25.9757004	.0000985	.0000003
92.600	.0107991	.00000013	25.9757004	.0000981	.0000003
92.700	.0107875	.00000013	25.9757004	.0000978	.0000003
92.800	.0107759	.00000013	25.9757004	.0000975	.0000003
92.900	.0107643	.00000012	25.9757004	.0000972	.0000003
93.000	.0107527	.00000012	25.9757004	.0000969	.0000003
93.100	.0107411	.00000012	25.9757004	.0000966	.0000003
93.200	.0107296	.00000012	25.9757004	.0000963	.0000003
93.300	.0107181	.00000012	25.9757004	.0000959	.0000003
93.400	.0107066	.00000012	25.9757004	.0000956	.0000003
93.500	.0106952	.00000012	25.9757004	.0000953	.0000003
93.600	.0106838	.00000012	25.9757004	.0000950	.0000003
93.700	.0106724	.00000012	25.9757004	.0000947	.0000003
93.800	.0106610	.00000012	25.9757004	.0000944	.0000003
93.900	.0106496	.00000012	25.9757004	.0000941	.0000003
94.000	.0106383	.00000012	25.9757004	.0000938	.0000003
94.100	.0106270	.00000012	25.9757004	.0000935	.0000003
94.200	.0106157	.00000012	25.9757004	.0000932	.0000003
94.300	.0106045	.00000012	25.9757004	.0000929	.0000003
94.400	.0105932	.00000012	25.9757004	.0000926	.0000003
94.500	.0105820	.00000012	25.9757004	.0000923	.0000003
94.600	.0105708	.00000012	25.9757004	.0000920	.0000003
94.700	.0105597	.00000012	25.9757004	.0000918	.0000003
94.800	.0105485	.00000012	25.9757004	.0000915	.0000003
94.900	.0105374	.00000012	25.9757004	.0000912	.0000003



# SIMPSON METHOD INTEGRATION

THETA/T	1/Z	1/Z**3	INTEGRAL	C/3R	DEL(C/3R)
95.000	.0105263	.0000012	25.9757004	.0000909	.0000003
95.100	.0105152	.0000012	25.9757004	.0000906	.0000003
95.200	.0105042	.0000012	25.9757004	.0000903	.0000003
95.300	.0104932	.0000012	25.9757004	.0000900	.0000003
95.400	.0104822	.0000012	25.9757004	.0000898	.0000003
95.500	.0104712	.0000011	25.9757004	.0000895	.0000003
95.600	.0104603	.0000011	25.9757004	.0000892	.0000003
95.700	.0104493	.0000011	25.9757004	.0000889	.0000003
95.800	.0104384	.0000011	25.9757004	.0000886	.0000003
95.900	.0104275	.0000011	25.9757004	.0000884	.0000003
96.000	.0104167	.0000011	25.9757004	.0000881	.0000003
96.100	.0104058	.0000011	25.9757004	.0000878	.0000003
96.200	.0103950	.0000011	25.9757004	.0000875	.0000003
96.300	.0103842	.0000011	25.9757004	.0000873	.0000003
96.400	.0103734	.0000011	25.9757004	.0000870	.0000003
96.500	.0103627	.0000011	25.9757004	.0000867	.0000003
96.600	.0103520	.0000011	25.9757004	.0000864	.0000003
96.700	.0103413	.0000011	25.9757004	.0000862	.0000003
96.800	.0103306	.0000011	25.9757004	.0000859	.0000003
96.900	.0103199	.0000011	25.9757004	.0000856	.0000003
97.000	.0103093	.0000011	25.9757004	.0000854	.0000003
97.100	.0102987	.0000011	25.9757004	.0000851	.0000003
97.200	.0102881	.0000011	25.9757004	.0000849	.0000003
97.300	.0102775	.0000011	25.9757004	.0000846	.0000003
97.400	.0102669	.0000011	25.9757004	.0000843	.0000003
97.500	.0102564	.0000011	25.9757004	.0000841	.0000003
97.600	.0102459	.0000011	25.9757004	.0000838	.0000003
97.700	.0102354	.0000011	25.9757004	.0000836	.0000003
97.800	.0102250	.0000011	25.9757004	.0000833	.0000003
97.900	.0102145	.0000011	25.9757004	.0000831	.0000003
98.000	.0102041	.0000011	25.9757004	.0000828	.0000003
98.100	.0101937	.0000011	25.9757004	.0000825	.0000003
98.200	.0101833	.0000011	25.9757004	.0000823	.0000003
98.300	.0101729	.0000011	25.9757004	.0000820	.0000003
98.400	.0101626	.0000010	25.9757004	.0000818	.0000002
98.500	.0101523	.0000010	25.9757004	.0000815	.0000002
98.600	.0101420	.0000010	25.9757004	.0000813	.0000002
98.700	.0101317	.0000010	25.9757004	.0000810	.0000002
98.800	.0101215	.0000010	25.9757004	.0000808	.0000002
98.900	.0101112	.0000010	25.9757004	.0000806	.0000002
99.000	.0101010	.0000010	25.9757004	.0000803	.0000002
99.100	.0100908	.0000010	25.9757004	.0000801	.0000002
99.200	.0100806	.0000010	25.9757004	.0000798	.0000002
99.300	.0100705	.0000010	25.9757004	.0000796	.0000002
99.400	.0100604	.0000010	25.9757004	.0000793	.0000002
99.500	.0100503	.0000010	25.9757004	.0000791	.0000002
99.600	.0100402	.0000010	25.9757004	.0000789	.0000002
99.700	.0100301	.0000010	25.9757004	.0000786	.0000002
99.800	.0100200	.0000010	25.9757004	.0000784	.0000002
99.900	.0100100	.0000010	25.9757004	.0000782	.0000002

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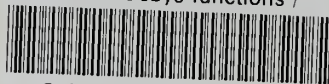
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