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Updated Neutron Spectrum Characterization of SNL Baseline Reactor Environments

Vol. 2: Analysis Computer Listings

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The authors thank the staff of the SPR and ACRR reactor facilities and the Radiation Metrology Laboratory for making it possible to gather the data summarized in this memorandum.

Executive Summary

This document provides SAND-II and MANIPULATE output listings from calculations used to derive the new spectrum-averaged integral parameters that were reported in volume 1. When used in conjunction with volume 1, this document provides an audit trail for the neutron radiation field characterization and supports current quality assurance initiatives. This document provides detailed information on the neutron spectrum characteristics of the primary Sandia National Laboratories' (SNL) reactor environments. The information in this volume is not intended for the casual user of the SNL reactor facilities. This detailed characterization of the neutron and gamma environments at the Sandia Pulsed Reactor (SPR) and the Annular Core Research Reactor (ACRR) is provided to aid the users who wish to convert the information given in the Radiation Metrology Laboratory (RML) dosimetry reports into other (non-silicon) measures of neutron damage. The spectra provided in these appendices can be used as a source term for Monte Carlo radiation transport calculations to study the impact of experimenter's test package on the neutron environment.

APPENDIX B

**MANIPULATE LISTINGS of SPECTRA FOR
PRIMARY RADIATION ENVIRONMENTS**

MANIPULATE Run 1:

Environment:

SPR-III Central Cavity

File Name:

SPR3CC-LIST

Picked up exported job name = spr3cc-list
Blank optical default filled /u3

1

MANIPULATE Version 1

Title: list spectrum punch file in tabular format

Control Parameters: 4 0 1 0 0 0 0 0 0 1 0 1 0
Opening file: /u3/application/manipulate/response/spectrum/spr3cc.ref-1

SAND-II Energy Grid is Imposed

Comment

Average Energy = 1.257949

B-3

Lower Energy MeV	Upper Energy MeV	Mid Energy MeV	Number Fraction	Energy Fraction	Differential Number	Differential Energy	Integral Number
0.1000000E-09	0.1050000E-09	0.1025000E-09	0.8392028E-10	0.6837985E-20	0.1678405E-04	0.1367597E-14	0.9999992
0.1050000E-09	0.1100000E-09	0.1075000E-09	0.8800858E-10	0.7520918E-20	0.1760171E-04	0.1504183E-14	0.9999992
0.1100000E-09	0.1150000E-09	0.1125000E-09	0.9209693E-10	0.8236354E-20	0.1841938E-04	0.1647271E-14	0.9999992
0.1150000E-09	0.1200000E-09	0.1175000E-09	0.9614865E-10	0.8980870E-20	0.1922976E-04	0.1796176E-14	0.9999992
0.1200000E-09	0.1275000E-09	0.1237500E-09	0.1518888E-09	0.1494198E-19	0.2025183E-04	0.1992264E-14	0.9999992
0.1275000E-09	0.1350000E-09	0.1312500E-09	0.1610328E-09	0.1680161E-19	0.2147104E-04	0.2240215E-14	0.9999992
0.1350000E-09	0.1425000E-09	0.1387500E-09	0.1701767E-09	0.1877027E-19	0.2269022E-04	0.2502702E-14	0.9999992
0.1425000E-09	0.1500000E-09	0.1462500E-09	0.1793207E-09	0.2084796E-19	0.2390943E-04	0.2779728E-14	0.9999992
0.1500000E-09	0.1600000E-09	0.1550000E-09	0.2533305E-09	0.3121451E-19	0.2533305E-04	0.3121451E-14	0.9999992
0.1600000E-09	0.1700000E-09	0.1650000E-09	0.2695378E-09	0.3535419E-19	0.2695378E-04	0.3535419E-14	0.9999992
0.1700000E-09	0.1800000E-09	0.1750000E-09	0.2858181E-09	0.3976172E-19	0.2858181E-04	0.3976171E-14	0.9999992
0.1800000E-09	0.1900000E-09	0.1850000E-09	0.3020254E-09	0.4441734E-19	0.3020254E-04	0.4441734E-14	0.9999992
0.1900000E-09	0.2000000E-09	0.1950000E-09	0.3181597E-09	0.4931933E-19	0.3181597E-04	0.4931933E-14	0.9999992

0.2000000E-09	0.2100000E-09	0.2050000E-09	0.3343670E-09	0.5448973E-19	0.3343670E-04	0.5448972E-14	0.9999992
0.2100000E-09	0.2200000E-09	0.2150000E-09	0.3505743E-09	0.5991780E-19	0.3505743E-04	0.5991780E-14	0.9999992
0.2200000E-09	0.2300000E-09	0.2250000E-09	0.3667086E-09	0.6559050E-19	0.3667086E-04	0.6559050E-14	0.9999992
0.2300000E-09	0.2400000E-09	0.2350000E-09	0.3828423E-09	0.7151960E-19	0.3828428E-04	0.7151969E-14	0.9999992
0.2400000E-09	0.2550000E-C9	0.2475000E-09	0.6044888E-09	0.1189326E-18	0.4029925E-04	0.7928837E-14	0.9999992
0.2550000E-09	0.2700000E-09	0.2625000E-09	0.6407361E-09	0.1337045E-18	0.4271574E-04	0.8913630E-14	0.9999992
0.2700000E-09	0.2800000E-09	0.2750000E-09	0.4473071E-09	0.9778580E-19	0.4473070E-04	0.9778579E-14	0.9999992
0.2800000E-09	0.3000000E-09	0.2900000E-09	0.9427981E-09	0.2173472E-18	0.4713990E-04	0.1086736E-13	0.9999992
0.3000000E-09	0.3200000E-09	0.3100000E-09	0.1007043E-08	0.2481688E-18	0.5035216E-04	0.1240844E-13	0.9999992
0.3200000E-09	0.3400000E-09	0.3300000E-09	0.1071143E-08	0.2809950E-18	0.5355712E-04	0.1404975E-13	0.9999992
0.3400000E-09	0.3600000E-09	0.3500000E-09	0.1135242E-08	0.3158594E-18	0.5676208E-04	0.1579297E-13	0.9999992
0.3600000E-09	0.3800000E-09	0.3700000E-09	0.1199195E-08	0.3527190E-18	0.5995975E-04	0.1763595E-13	0.9999992
0.3800000E-09	0.4000000E-09	0.3900000E-09	0.1263002E-08	0.3915669E-18	0.6315009E-04	0.1957834E-13	0.9999992
0.4000000E-09	0.4250000E-09	0.4125000E-09	0.1668367E-08	0.5470827E-18	0.6673468E-04	0.2188331E-13	0.9999992
0.4250000E-09	0.4500000E-09	0.4375000E-09	0.1767655E-08	0.6147704E-18	0.7070619E-04	0.2459081E-13	0.9999992
0.4500000E-09	0.4750000E-09	0.4625000E-09	0.1867124E-08	0.6864710E-18	0.7468503E-04	0.2745887E-13	0.9999992
0.4750000E-09	0.5000000E-09	0.4875000E-09	0.1965684E-08	0.7617731E-18	0.7862735E-04	0.3047092E-13	0.9999992
0.5000000E-09	0.5250000E-09	0.5125000E-09	0.2064241E-08	0.8409917E-18	0.8256965E-04	0.3363967E-13	0.9999992
0.5250000E-09	0.5500000E-09	0.5375000E-09	0.2162799E-08	0.9241279E-18	0.8651197E-04	0.3696511E-13	0.9999992
0.5500000E-09	0.5750000E-09	0.5625000E-09	0.2261357E-08	0.1011181E-17	0.9045428E-04	0.4044725E-13	0.9999992
0.5750000E-09	0.6000000E-09	0.5875000E-09	0.2359916E-08	0.1102153E-17	0.9439662E-04	0.4408610E-13	0.9999992
0.6000000E-09	0.6300000E-09	0.6150000E-09	0.2961119E-08	0.1447666E-17	0.9870395E-04	0.4825552E-13	0.9999992
0.6300000E-09	0.6600000E-09	0.6450000E-09	0.3101290E-08	0.1590155E-17	0.1033763E-03	0.5300516E-13	0.9999992
0.6600000E-09	0.6900000E-09	0.6750000E-09	0.3241462E-08	0.1739330E-17	0.1080487E-03	0.5797767E-13	0.9999992
0.6900000E-09	0.7200000E-09	0.7050000E-09	0.3381634E-08	0.1895192E-17	0.1127211E-03	0.6317305E-13	0.9999992
0.7200000E-09	0.7600000E-09	0.7400000E-09	0.4727862E-08	0.2781210E-17	0.1181965E-03	0.6953024E-13	0.9999992
0.7600000E-09	0.8000000E-09	0.7800000E-09	0.4973162E-08	0.3083646E-17	0.1243290E-03	0.7709115E-13	0.9999992
0.8000000E-09	0.8400000E-09	0.8200000E-09	0.5221382E-08	0.3403585E-17	0.1305346E-03	0.8508962E-13	0.9999992
0.8400000E-09	0.8800000E-09	0.8600000E-09	0.5466682E-08	0.3737315E-17	0.1366670E-03	0.9343285E-13	0.9999992
0.8800000E-09	0.9200000E-09	0.9000000E-09	0.5711982E-08	0.4086643E-17	0.1427995E-03	0.1021661E-12	0.9999992
0.9200000E-09	0.9600000E-09	0.9400000E-09	0.5957273E-08	0.4451565E-17	0.1489320E-03	0.1112893E-12	0.9999992
0.9600000E-09	0.1000000E-08	0.9800000E-09	0.6199662E-08	0.4829825E-17	0.1549915E-03	0.1207456E-12	0.9999992
0.1000000E-08	0.1050000E-08	0.1025000E-08	0.8092702E-08	0.6594088E-17	0.1618540E-03	0.1318817E-12	0.9999992
0.1050000E-08	0.1100000E-08	0.1075000E-08	0.8468682E-08	0.7237050E-17	0.1693736E-03	0.1447410E-12	0.9999992
0.1100000E-08	0.1150000E-08	0.1125000E-08	0.8848313E-08	0.7913167E-17	0.1769662E-03	0.1582633E-12	0.9999992
0.1150000E-08	0.1200000E-08	0.1175000E-08	0.9220642E-08	0.8612642E-17	0.1844128E-03	0.1722528E-12	0.9999992
0.1200000E-08	0.1275000E-08	0.1237500E-08	0.1453182E-07	0.1429561E-16	0.1937576E-03	0.1906081E-12	0.9999992
0.1275000E-08	0.1350000E-08	0.1312500E-08	0.1536957E-07	0.1603608E-16	0.2049275E-03	0.2138144E-12	0.9999992
0.1350000E-08	0.1425000E-08	0.1387500E-08	0.1619636E-07	0.1786437E-16	0.2159514E-03	0.2381916E-12	0.9999992

0.1425000E-08	0.1500000E-08	0.1462500E-08	0.1702315E-07	0.1979124E-16	0.2269752E-03	0.2638832E-12	0.9999992
0.1500000E-08	0.1600000E-08	0.1550000E-08	0.2396784E-07	0.2953234E-16	0.2396783E-03	0.2953234E-12	0.9999992
0.1600000E-08	0.1700000E-08	0.1650000E-08	0.2541335E-07	0.3333367E-16	0.2541334E-03	0.3333367E-12	0.9999992
0.1700000E-08	0.1800000E-08	0.1750000E-08	0.2685157E-07	0.3735469E-16	0.2685157E-03	0.3735468E-12	0.9999992
0.1800000E-08	0.1900000E-08	0.1850000E-08	0.2827515E-07	0.4158282E-16	0.2827517E-03	0.4158286E-12	0.9999992
0.1900000E-08	0.2000000E-08	0.1950000E-08	0.2968420E-07	0.4601477E-16	0.2968420E-03	0.4601477E-12	0.9999992
0.2000000E-08	0.2100000E-08	0.2050000E-08	0.3107861E-07	0.5064690E-16	0.3107861E-03	0.5064689E-12	0.9999992
0.2100000E-08	0.2200000E-08	0.2150000E-08	0.3246572E-07	0.5548823E-16	0.3246572E-03	0.5548822E-12	0.9999991
0.2200000E-08	0.2300000E-08	0.2250000E-08	0.3384553E-07	0.6053704E-16	0.3384553E-03	0.6053704E-12	0.9999990
0.2300000E-08	0.2400000E-08	0.2350000E-08	0.3521074E-07	0.6577796E-16	0.3521074E-03	0.6577795E-12	0.9999990
0.2400000E-08	0.2550000E-08	0.2475000E-08	0.5534577E-07	0.1088923E-15	0.3689718E-03	0.7259483E-12	0.9999989
0.2550000E-08	0.2700000E-08	0.2625000E-08	0.5835726E-07	0.1217760E-15	0.3890484E-03	0.8118396E-12	0.9999989
0.2700000E-08	0.2800000E-08	0.2750000E-08	0.4055477E-07	0.8865679E-16	0.4055477E-03	0.8865678E-12	0.9999988
0.2800000E-08	0.3000000E-08	0.2900000E-08	0.8502267E-07	0.1960063E-15	0.4251133E-03	0.9800316E-12	0.9999987
0.3000000E-08	0.3200000E-08	0.3100000E-08	0.9017687E-07	0.2222257E-15	0.4508843E-03	0.1111128E-11	0.9999987
0.3200000E-08	0.3400000E-08	0.3300000E-08	0.9522889E-07	0.2498159E-15	0.4761444E-03	0.1249079E-11	0.9999986
0.3400000E-08	0.3600000E-08	0.3500000E-08	0.1002079E-06	0.2788093E-15	0.5010394E-03	0.1394047E-11	0.9999985
0.3600000E-08	0.3800000E-08	0.3700000E-08	0.1050992E-06	0.3091280E-15	0.5254963E-03	0.1545641E-11	0.9999983
0.3800000E-08	0.4000000E-08	0.3900000E-08	0.1099031E-06	0.3407311E-15	0.5495152E-03	0.1703655E-11	0.9999982
0.4000000E-08	0.4250000E-08	0.4125000E-08	0.1440224E-06	0.4722709E-15	0.5760894E-03	0.1889084E-11	0.9999981
0.4250000E-08	0.4500000E-08	0.4375000E-08	0.1512500E-06	0.5260303E-15	0.6050000E-03	0.2104121E-11	0.9999980
0.4500000E-08	0.4750000E-08	0.4625000E-08	0.1583133E-06	0.5820583E-15	0.6332531E-03	0.2328233E-11	0.9999978
0.4750000E-08	0.5000000E-08	0.4875000E-08	0.1652306E-06	0.6403279E-15	0.6609223E-03	0.2561311E-11	0.9999976
0.5000000E-08	0.5250000E-08	0.5125000E-08	0.1719836E-06	0.7006778E-15	0.6879345E-03	0.2802711E-11	0.9999974
0.5250000E-08	0.5500000E-08	0.5375000E-08	0.1786089E-06	0.7631659E-15	0.7144356E-03	0.3052664E-11	0.9999973
0.5500000E-08	0.5750000E-08	0.5625000E-08	0.1850700E-06	0.8275530E-15	0.7402798E-03	0.3310212E-11	0.9999971
0.5750000E-08	0.6000000E-08	0.5875000E-08	0.1914580E-06	0.8941669E-15	0.7658318E-03	0.3576667E-11	0.9999969
0.6000000E-08	0.6300000E-08	0.6150000E-08	0.2378532E-06	0.1162844E-14	0.7928440E-03	0.3876147E-11	0.9999967
0.6300000E-08	0.6600000E-08	0.6450000E-08	0.2463949E-06	0.1263365E-14	0.8213161E-03	0.4211215E-11	0.9999965
0.6600000E-08	0.6900000E-08	0.6750000E-08	0.2549366E-06	0.1367960E-14	0.8497885E-03	0.4559865E-11	0.9999962
0.6900000E-08	0.7200000E-08	0.7050000E-08	0.2630402E-06	0.1474173E-14	0.8768006E-03	0.4913911E-11	0.9999960
0.7200000E-08	0.7600000E-08	0.7400000E-08	0.3629849E-06	0.2135294E-14	0.9074633E-03	0.5338240E-11	0.9999958
0.7600000E-08	0.8000000E-08	0.7800000E-08	0.3767104E-06	0.2335821E-14	0.9417759E-03	0.5839551E-11	0.9999954
0.8000000E-08	0.8400000E-08	0.8200000E-08	0.3898515E-06	0.2541267E-14	0.9746286E-03	0.6353168E-11	0.9999951
0.8400000E-08	0.8800000E-08	0.8600000E-08	0.4024085E-06	0.2751079E-14	0.1006021E-02	0.6877696E-11	0.9999946
0.8800000E-08	0.9200000E-08	0.9000000E-08	0.4143813E-06	0.2964695E-14	0.1035953E-02	0.7411737E-11	0.9999942
0.9200000E-08	0.9600000E-08	0.9400000E-08	0.4260625E-06	0.3183747E-14	0.1065156E-02	0.7959368E-11	0.9999938
0.9600000E-08	0.1000000E-07	0.9800000E-08	0.4371593E-06	0.3405675E-14	0.1092898E-02	0.8514187E-11	0.9999934
0.1000000E-07	0.1050000E-07	0.1025000E-07	0.5617802E-06	0.4577492E-14	0.1123560E-02	0.9154983E-11	0.9999930

0.1050000E-07	0.1100000E-07	0.1075000E-07	0.5774767E-06	0.5934922E-14	0.1154953E-02	0.9869842E-11	0.9999924
0.1100000E-07	0.1150000E-07	0.1125000E-07	0.5924426E-06	0.5298296E-14	0.1184885E-02	0.1059659E-10	0.9999918
0.1150000E-07	0.1200000E-07	0.1175000E-07	0.6066787E-06	0.5666749E-14	0.1213357E-02	0.1133350E-10	0.9999912
0.1200000E-07	0.1275000E-07	0.1237500E-07	0.9346577E-06	0.9194649E-14	0.1246210E-02	0.1225953E-10	0.9999906
0.1275000E-07	0.1350000E-07	0.1312500E-07	0.9625826E-06	0.1004326E-13	0.1283443E-02	0.1339101E-10	0.9999897
0.1350000E-07	0.1425000E-07	0.1387500E-07	0.9877698E-06	0.1089497E-13	0.1317026E-02	0.1452663E-10	0.9999887
0.1425000E-07	0.1500000E-07	0.1462500E-07	0.1010765E-05	0.1175123E-13	0.1347688E-02	0.1566833E-10	0.9999877
0.1500000E-07	0.1600000E-07	0.1550000E-07	0.1379811E-05	0.1700156E-13	0.1379811E-02	0.1700156E-10	0.9999867
0.1600000E-07	0.1700000E-07	0.1650000E-07	0.1411933E-05	0.1851977E-13	0.1411933E-02	0.1851976E-10	0.9999853
0.1700000E-07	0.1800000E-07	0.1750000E-07	0.1438946E-05	0.2001797E-13	0.1438946E-02	0.2001797E-10	0.9999839
0.1800000E-07	0.1900000E-07	0.1850000E-07	0.1462308E-05	0.2150543E-13	0.1462308E-02	0.2150543E-10	0.9999825
0.1900000E-07	0.2000000E-07	0.1950000E-07	0.1482019E-05	0.2297343E-13	0.1482019E-02	0.2297343E-10	0.9999810
0.2000000E-07	0.2100000E-07	0.2050000E-07	0.1497351E-05	0.2440140E-13	0.1497351E-02	0.2440140E-10	0.9999795
0.2100000E-07	0.2200000E-07	0.2150000E-07	0.1509761E-05	0.2580383E-13	0.1509761E-02	0.2580383E-10	0.9999780
0.2200000E-07	0.2300000E-07	0.2250000E-07	0.1518522E-05	0.2716071E-13	0.1518522E-02	0.2716070E-10	0.9999765
0.2300000E-07	0.2400000E-07	0.2350000E-07	0.1524363E-05	0.2847697E-13	0.1524363E-02	0.2847697E-10	0.9999750
0.2400000E-07	0.2550000E-07	0.2475000E-07	0.2292020E-05	0.4509527E-13	0.1528013E-02	0.3006351E-10	0.9999735
0.2550000E-07	0.2700000E-07	0.2625000E-07	0.2290925E-05	0.4780547E-13	0.1527283E-02	0.3187031E-10	0.9999712
0.2700000E-07	0.2800000E-07	0.2750000E-07	0.1522902E-05	0.3329217E-13	0.1522902E-02	0.3329217E-10	0.9999689
0.2800000E-07	0.3000000E-07	0.2900000E-07	0.3025360E-05	0.6974490E-13	0.1512681E-02	0.3487248E-10	0.9999674
0.3000000E-07	0.3200000E-07	0.3100000E-07	0.2987401E-05	0.7361945E-13	0.1493700E-02	0.3680972E-10	0.9999644
0.3200000E-07	0.3400000E-07	0.3300000E-07	0.2939217E-05	0.7710507E-13	0.1469608E-02	0.3855253E-10	0.9999614
0.3400000E-07	0.3600000E-07	0.3500000E-07	0.2879353E-05	0.8011250E-13	0.1439676E-02	0.4005625E-10	0.9999585
0.3600000E-07	0.3800000E-07	0.3700000E-07	0.2812187E-05	0.8271481E-13	0.1406093E-02	0.4135740E-10	0.9999556
0.3800000E-07	0.4000000E-07	0.3900000E-07	0.2739181E-05	0.8492249E-13	0.1369590E-02	0.4246124E-10	0.9999528
0.4000000E-07	0.4250000E-07	0.4125000E-07	0.3312646E-05	0.1086266E-12	0.1325057E-02	0.4345062E-10	0.9999501
0.4250000E-07	0.4500000E-07	0.4375000E-07	0.3183054E-05	0.1107030E-12	0.1273222E-02	0.4428123E-10	0.9999467
0.4500000E-07	0.4750000E-07	0.4625000E-07	0.3047994E-05	0.1120632E-12	0.1219198E-02	0.4482533E-10	0.9999436
0.4750000E-07	0.5000000E-07	0.4875000E-07	0.2909288E-05	0.1127454E-12	0.1163714E-02	0.4509811E-10	0.9999405
0.5000000E-07	0.5250000E-07	0.5125000E-07	0.2794299E-05	0.1138424E-12	0.1117720E-02	0.4553699E-10	0.9999376
0.5250000E-07	0.5500000E-07	0.5375000E-07	0.2704870E-05	0.1155746E-12	0.1081947E-02	0.4622979E-10	0.9999348
0.5500000E-07	0.5750000E-07	0.5625000E-07	0.2622734E-05	0.1172773E-12	0.1049094E-02	0.4691097E-10	0.9999321
0.5750000E-07	0.6000000E-07	0.5875000E-07	0.2546079E-05	0.1189096E-12	0.1018432E-02	0.4756389E-10	0.9999295
0.6000000E-07	0.6300000E-07	0.6150000E-07	0.2963313E-05	0.1448738E-12	0.9877697E-03	0.4829122E-10	0.9999269
0.6300000E-07	0.6600000E-07	0.6450000E-07	0.2869128E-05	0.1471116E-12	0.9563771E-03	0.4903727E-10	0.9999239
0.6600000E-07	0.6900000E-07	0.6750000E-07	0.2781528E-05	0.1492535E-12	0.9271748E-03	0.4975110E-10	0.9999211
0.6900000E-07	0.7200000E-07	0.7050000E-07	0.2700485E-05	0.1513450E-12	0.9001626E-03	0.5044840E-10	0.9999183
0.7200000E-07	0.7600000E-07	0.7400000E-07	0.3457559E-05	0.2033943E-12	0.8643898E-03	0.5084856E-10	0.9999156
0.7600000E-07	0.8000000E-07	0.7800000E-07	0.3288185E-05	0.2038864E-12	0.8220462E-03	0.5097160E-10	0.9999121

0.8000000E-07	0.8400000E-07	0.8200000E-07	0.3136333E-05	0.2044435E-12	0.7840832E-03	0.5111087E-10	0.9999089
0.8400000E-07	0.8800000E-07	0.8600000E-07	0.2996162E-05	0.2048335E-12	0.7490404E-03	0.5120838E-10	0.9999057
0.8800000E-07	0.9200000E-07	0.9000000E-07	0.2870592E-05	0.2053768E-12	0.7176479E-03	0.5134419E-10	0.9999027
0.9200000E-07	0.9600000E-07	0.9400000E-07	0.2754075E-05	0.2057979E-12	0.6885186E-03	0.5144946E-10	0.9998999
0.9600000E-07	0.1000000E-06	0.9800000E-07	0.2647194E-05	0.2062288E-12	0.6617985E-03	0.5155719E-10	0.9998971
0.1000000E-06	0.1050000E-06	0.1025000E-06	0.3146916E-05	0.2564167E-12	0.6293837E-03	0.5128338E-10	0.9998945
0.1050000E-06	0.1100000E-06	0.1075000E-06	0.2963676E-05	0.2532658E-12	0.5927347E-03	0.5065312E-10	0.9998913
0.1100000E-06	0.1150000E-06	0.1125000E-06	0.2798314E-05	0.2502571E-12	0.5596632E-03	0.5005144E-10	0.9998884
0.1150000E-06	0.1200000E-06	0.1175000E-06	0.2649382E-05	0.2474684E-12	0.5298767E-03	0.4949371E-10	0.9998856
0.1200000E-06	0.1275000E-06	0.1237500E-06	0.3723303E-05	0.367781E-12	0.4964600E-03	0.4883704E-10	0.9998829
0.1275000E-06	0.1350000E-06	0.1312500E-06	0.3457190E-05	0.3607114E-12	0.4609591E-03	0.4809491E-10	0.9998792
0.1350000E-06	0.1425000E-06	0.1387500E-06	0.3223395E-05	0.3555362E-12	0.4297856E-03	0.4740479E-10	0.9998758
0.1425000E-06	0.1500000E-06	0.1462500E-06	0.3016423E-05	0.3506917E-12	0.4021894E-03	0.4675885E-10	0.9998726
0.1500000E-06	0.1600000E-06	0.1550000E-06	0.3712348E-05	0.4574227E-12	0.3712350E-03	0.4574230E-10	0.9998695
0.1600000E-06	0.1700000E-06	0.1650000E-06	0.3383096E-05	0.4437471E-12	0.3383093E-03	0.4437468E-10	0.9998658
0.1700000E-06	0.1800000E-06	0.1750000E-06	0.3100558E-05	0.4313356E-12	0.3100560E-03	0.4313359E-10	0.9998624
0.1800000E-06	0.1900000E-06	0.1850000E-06	0.2855259E-05	0.4199084E-12	0.2855261E-03	0.4199087E-10	0.9998593
0.1900000E-06	0.2000000E-06	0.1950000E-06	0.2640625E-05	0.4093348E-12	0.2640623E-03	0.4093344E-10	0.9998565
0.2000000E-06	0.2100000E-06	0.2050000E-06	0.2399702E-05	0.3910647E-12	0.2399704E-03	0.3910649E-10	0.9998538
0.2100000E-06	0.2200000E-06	0.2150000E-06	0.2143454E-05	0.3663448E-12	0.2143452E-03	0.3663445E-10	0.9998515
0.2200000E-06	0.2300000E-06	0.2250000E-06	0.1925164E-05	0.3443402E-12	0.1925165E-03	0.3443404E-10	0.9998493
0.2300000E-06	0.2400000E-06	0.2350000E-06	0.1736809E-05	0.3244571E-12	0.1736810E-03	0.3244573E-10	0.9998474
0.2400000E-06	0.2550000E-06	0.2475000E-06	0.2307353E-05	0.4539695E-12	0.1538234E-03	0.3026461E-10	0.9998457
0.2550000E-06	0.2700000E-06	0.2625000E-06	0.2008390E-05	0.4190972E-12	0.1338928E-03	0.2793985E-10	0.9998434
0.2700000E-06	0.2800000E-06	0.2750000E-06	0.1197297E-05	0.2617411E-12	0.1197296E-03	0.2617409E-10	0.9998413
0.2800000E-06	0.3000000E-06	0.2900000E-06	0.2108412E-05	0.4860611E-12	0.1054205E-03	0.2430304E-10	0.9998401
0.3000000E-06	0.3200000E-06	0.3100000E-06	0.1798864E-05	0.4432996E-12	0.8994324E-04	0.2216500E-10	0.9998381
0.3200000E-06	0.3400000E-06	0.3300000E-06	0.1557947E-05	0.4086993E-12	0.7789728E-04	0.2043495E-10	0.9998363
0.3400000E-06	0.3600000E-06	0.3500000E-06	0.1360099E-05	0.3784215E-12	0.6800499E-04	0.1892109E-10	0.9998347
0.3600000E-06	0.3800000E-06	0.3700000E-06	0.1198610E-05	0.3525470E-12	0.5993054E-04	0.1762736E-10	0.9998333
0.3800000E-06	0.4000000E-06	0.3900000E-06	0.1065011E-05	0.3301839E-12	0.5325049E-04	0.1650918E-10	0.9998322
0.4000000E-06	0.4250000E-06	0.4125000E-06	0.1174664E-05	0.3851901E-12	0.4698659E-04	0.1540761E-10	0.9998311
0.4250000E-06	0.4500000E-06	0.4375000E-06	0.1029383E-05	0.3580076E-12	0.4117532E-04	0.1432031E-10	0.9998299
0.4500000E-06	0.4750000E-06	0.4625000E-06	0.9085589E-06	0.3340429E-12	0.3634233E-04	0.1336170E-10	0.9998289
0.4750000E-06	0.5000000E-06	0.4875000E-06	0.8072624E-06	0.3128432E-12	0.3229051E-04	0.1251373E-10	0.9998280
0.5000000E-06	0.5250000E-06	0.5125000E-06	0.7346223E-06	0.2992922E-12	0.2938487E-04	0.1197168E-10	0.9998271
0.5250000E-06	0.5500000E-06	0.5375000E-06	0.6836992E-06	0.2921332E-12	0.2734801E-04	0.1168534E-10	0.9998264
0.5500000E-06	0.5750000E-06	0.5625000E-06	0.6384370E-06	0.2854814E-12	0.2553746E-04	0.1141925E-10	0.9998258
0.5750000E-06	0.6000000E-06	0.5875000E-06	0.5977362E-06	0.2791610E-12	0.2390943E-04	0.1116643E-10	0.9998251

0.6000000E-06	0.6300000E-06	0.6150000E-06	0.6690981E-06	0.3271164E-12	0.2230329E-04	0.1090389E-10	0.9998245
0.6300000E-06	0.6600000E-06	0.6450000E-06	0.6222298E-06	0.3190420E-12	0.2074098E-04	0.1063472E-10	0.9998239
0.6600000E-06	0.6900000E-06	0.6750000E-06	0.5806153E-06	0.3115513E-12	0.1935387E-04	0.1038506E-10	0.9998233
0.6900000E-06	0.7200000E-06	0.7050000E-06	0.5431640E-06	0.3044090E-12	0.1810545E-04	0.1014696E-10	0.9998227
0.7200000E-06	0.7600000E-06	0.7400000E-06	0.6798305E-06	0.3999169E-12	0.1699577E-04	0.9997929E-11	0.9998221
0.7600000E-06	0.8000000E-06	0.7800000E-06	0.6401163E-06	0.3969089E-12	0.1600290E-04	0.9922715E-11	0.9998215
0.8000000E-06	0.8400000E-06	0.8200000E-06	0.6047806E-06	0.3942295E-12	0.1511952E-04	0.9855743E-11	0.9998208
0.8400000E-06	0.8800000E-06	0.8600000E-06	0.5726586E-06	0.3914998E-12	0.1431645E-04	0.9787489E-11	0.9998202
0.8800000E-06	0.9200000E-06	0.9000000E-06	0.5434554E-06	0.3888157E-12	0.1358639E-04	0.9720397E-11	0.9998196
0.9200000E-06	0.9600000E-06	0.9399999E-06	0.5168814E-06	0.3862389E-12	0.1292204E-04	0.9655979E-11	0.9998191
0.9600000E-06	0.1000000E-05	0.9800000E-06	0.4923521E-06	0.3835652E-12	0.1230879E-04	0.9589122E-11	0.9998186
0.1000000E-05	0.1050000E-05	0.1025000E-05	0.5869676E-06	0.4782725E-12	0.1173934E-04	0.9565442E-11	0.9998181
0.1050000E-05	0.1100000E-05	0.1075000E-05	0.5606843E-06	0.4791420E-12	0.1121370E-04	0.9582854E-11	0.9998175
0.1100000E-05	0.1150000E-05	0.1125000E-05	0.5369585E-06	0.4802093E-12	0.1073916E-04	0.9604179E-11	0.9998170
0.1150000E-05	0.1200000E-05	0.1175000E-05	0.5154220E-06	0.4814356E-12	0.1030843E-04	0.9628705E-11	0.9998164
0.1200000E-05	0.1275000E-05	0.1237500E-05	0.7364470E-06	0.7244761E-12	0.9819292E-05	0.9659681E-11	0.9998159
0.1275000E-05	0.1350000E-05	0.1312500E-05	0.6964763E-06	0.7266796E-12	0.9286350E-05	0.9689062E-11	0.9998152
0.1350000E-05	0.1425000E-05	0.1387500E-05	0.6608859E-06	0.7289485E-12	0.8811811E-05	0.9719312E-11	0.9998145
0.1425000E-05	0.1500000E-05	0.1462500E-05	0.6280333E-06	0.7301564E-12	0.8373777E-05	0.9735417E-11	0.9998138
0.1500000E-05	0.1600000E-05	0.1550000E-05	0.7928435E-06	0.9769145E-12	0.7928438E-05	0.9769148E-11	0.9998131
0.1600000E-05	0.1700000E-05	0.1650000E-05	0.7483100E-06	0.9815284E-12	0.7483103E-05	0.9815287E-11	0.9998124
0.1700000E-05	0.1800000E-05	0.1750000E-05	0.7089599E-06	0.9862729E-12	0.7089602E-05	0.9862732E-11	0.9998116
0.1800000E-05	0.1900000E-05	0.1850000E-05	0.6731148E-06	0.9899157E-12	0.6731143E-05	0.9899149E-11	0.9998109
0.1900000E-05	0.2000000E-05	0.1950000E-05	0.6407724E-06	0.9932894E-12	0.6407727E-05	0.9932898E-11	0.9998102
0.2000000E-05	0.2100000E-05	0.2050000E-05	0.6144912E-06	0.1001398E-11	0.6144907E-05	0.1001398E-10	0.9998096
0.2100000E-05	0.2200000E-05	0.2150000E-05	0.5934639E-06	0.1014309E-11	0.5934648E-05	0.1014310E-10	0.9998090
0.2200000E-05	0.2300000E-05	0.2250000E-05	0.5735346E-06	0.1025840E-11	0.5735342E-05	0.1025839E-10	0.9998084
0.2300000E-05	0.2400000E-05	0.2350000E-05	0.5549181E-06	0.1036655E-11	0.5549177E-05	0.1036654E-10	0.9998078
0.2400000E-05	0.2550000E-05	0.2475000E-05	0.8012761E-06	0.1576503E-11	0.5341841E-05	0.1051002E-10	0.9998072
0.2550000E-05	0.2700000E-05	0.2625000E-05	0.7661238E-06	0.1598695E-11	0.5107492E-05	0.1065797E-10	0.9998065
0.2700000E-05	0.2800000E-05	0.2750000E-05	0.4922050E-06	0.1076009E-11	0.4922057E-05	0.1076011E-10	0.9998057
0.2800000E-05	0.3000000E-05	0.2900000E-05	0.9438208E-06	0.2175830E-11	0.4719100E-05	0.1087914E-10	0.9998052
0.3000000E-05	0.3200000E-05	0.3100000E-05	0.8994322E-06	0.2216499E-11	0.4497163E-05	0.1108250E-10	0.9998043
0.3200000E-05	0.3400000E-05	0.3300000E-05	0.8630753E-06	0.2264123E-11	0.4315378E-05	0.1132062E-10	0.9998034
0.3400000E-05	0.3600000E-05	0.3500000E-05	0.8286165E-06	0.2305467E-11	0.4143084E-05	0.1152734E-10	0.9998025
0.3600000E-05	0.3800000E-05	0.3700000E-05	0.7959108E-06	0.2341011E-11	0.3979551E-05	0.1170505E-10	0.9998017
0.3800000E-05	0.4000000E-05	0.3900000E-05	0.7658315E-06	0.2374298E-11	0.3829159E-05	0.1187149E-10	0.9998009
0.4000000E-05	0.4250000E-05	0.4125000E-05	0.9198745E-06	0.3016407E-11	0.3679497E-05	0.1206562E-10	0.9998001
0.4250000E-05	0.4500000E-05	0.4375000E-05	0.8861093E-06	0.3081787E-11	0.3544436E-05	0.1232715E-10	0.9997993

0.4500000E-05	0.4750000E-05	0.4625000E-05	0.8585482E-06	0.3156558E-11	0.3434198E-05	0.1262625E-10	0.9997984
0.4750000E-05	0.5000000E-05	0.4875000E-05	0.8335450E-06	0.3230286E-11	0.3334179E-05	0.1292114E-10	0.9997975
0.5000000E-05	0.5250000E-05	0.5125000E-05	0.8041602E-06	0.3276226E-11	0.3216640E-05	0.1310490E-10	0.9997967
0.5250000E-05	0.5500000E-05	0.5375000E-05	0.7714899E-06	0.3296447E-11	0.3085958E-05	0.1318578E-10	0.9997959
0.5500000E-05	0.5750000E-05	0.5625000E-05	0.7432001E-06	0.3323270E-11	0.2972800E-05	0.1329308E-10	0.9997951
0.5750000E-05	0.6000000E-05	0.5875000E-05	0.7216634E-06	0.3370388E-11	0.2886653E-05	0.1348155E-10	0.9997944
0.6000000E-05	0.6300000E-05	0.6150000E-05	0.8405897E-06	0.4109572E-11	0.2801966E-05	0.1369857E-10	0.9997937
0.6300000E-05	0.6600000E-05	0.6450000E-05	0.8151826E-06	0.4179766E-11	0.2717279E-05	0.1393257E-10	0.9997929
0.6600000E-05	0.6900000E-05	0.6750000E-05	0.7919678E-06	0.4249606E-11	0.2639893E-05	0.1416535E-10	0.9997920
0.6900000E-05	0.7200000E-05	0.7050000E-05	0.7617434E-06	0.4269089E-11	0.2539145E-05	0.1423029E-10	0.9997913
0.7200000E-05	0.7600000E-05	0.7400000E-05	0.9899607E-06	0.5823539E-11	0.2474900E-05	0.1455884E-10	0.9997905
0.7600000E-05	0.8000000E-05	0.7800000E-05	0.9651375E-06	0.5984407E-11	0.2412844E-05	0.1496102E-10	0.9997895
0.8000000E-05	0.8400000E-05	0.8200001E-05	0.9420686E-06	0.6140925E-11	0.2355169E-05	0.1535230E-10	0.9997885
0.8400000E-05	0.8800000E-05	0.8600000E-05	0.9207488E-06	0.6294728E-11	0.2301876E-05	0.1573684E-10	0.9997876
0.8800000E-05	0.9200000E-05	0.8999999E-05	0.9204591E-06	0.6585433E-11	0.2301146E-05	0.1646357E-10	0.9997867
0.9200000E-05	0.9600000E-05	0.9400001E-05	0.9011853E-06	0.6734097E-11	0.2252962E-05	0.1683523E-10	0.9997858
0.9600000E-05	0.1000000E-04	0.9800000E-05	0.8582562E-06	0.6686215E-11	0.2145644E-05	0.1671556E-10	0.9997849
0.1000000E-04	0.1050000E-04	0.1025000E-04	0.1034494E-05	0.8429252E-11	0.2068986E-05	0.1685850E-10	0.9997841
0.1050000E-04	0.1100000E-04	0.1075000E-04	0.9968956E-06	0.8519134E-11	0.1993790E-05	0.1703826E-10	0.9997830
0.1100000E-04	0.1150000E-04	0.1125000E-04	0.9764541E-06	0.8732563E-11	0.1952907E-05	0.1746512E-10	0.9997820
0.1150000E-04	0.1200000E-04	0.1175000E-04	0.9563776E-06	0.8933149E-11	0.1912754E-05	0.1786629E-10	0.9997811
0.1200000E-04	0.1275000E-04	0.1237500E-04	0.1431827E-05	0.1408553E-10	0.1909104E-05	0.1878072E-10	0.9997801
0.1275000E-04	0.1350000E-04	0.1312500E-04	0.1375979E-05	0.1435649E-10	0.1834637E-05	0.1914198E-10	0.9997787
0.1350000E-04	0.1425000E-04	0.1387500E-04	0.1345864E-05	0.1484470E-10	0.1794484E-05	0.1979293E-10	0.9997773
0.1425000E-04	0.1500000E-04	0.1462500E-04	0.1310820E-05	0.1523969E-10	0.1747762E-05	0.2031961E-10	0.9997759
0.1500000E-04	0.1600000E-04	0.1550000E-04	0.1671836E-05	0.2059979E-10	0.1671835E-05	0.2059978E-10	0.9997746
0.1600000E-04	0.1700000E-04	0.1650000E-04	0.1619271E-05	0.2123933E-10	0.1619270E-05	0.2123932E-10	0.9997730
0.1700000E-04	0.1800000E-04	0.1750000E-04	0.1595909E-05	0.2220156E-10	0.1595908E-05	0.2220155E-10	0.9997714
0.1800000E-04	0.1900000E-04	0.1850000E-04	0.1557943E-05	0.2291188E-10	0.1557945E-05	0.2291191E-10	0.9997697
0.1900000E-04	0.2000000E-04	0.1950000E-04	0.1509762E-05	0.2340348E-10	0.1509761E-05	0.2340347E-10	0.9997682
0.2000000E-04	0.2100000E-04	0.2050000E-04	0.1462308E-05	0.2383033E-10	0.1462307E-05	0.2383032E-10	0.9997567
0.2100000E-04	0.2200000E-04	0.2150000E-04	0.1423616E-05	0.2433148E-10	0.1423615E-05	0.2433148E-10	0.9997652
0.2200000E-04	0.2300000E-04	0.2250000E-04	0.1404634E-05	0.2512367E-10	0.1404634E-05	0.2512366E-10	0.9997638
0.2300000E-04	0.2400000E-04	0.2350000E-04	0.1363021E-05	0.2546289E-10	0.1363020E-05	0.2546288E-10	0.9997624
0.2400000E-04	0.2550000E-04	0.2475000E-04	0.1991964E-05	0.3919170E-10	0.1327977E-05	0.2612782E-10	0.9997610
0.2550000E-04	0.2700000E-04	0.2625000E-04	0.1986490E-05	0.4145272E-10	0.1324326E-05	0.2763514E-10	0.9997590
0.2700000E-04	0.2800000E-04	0.2750000E-04	0.1302426E-05	0.2847233E-10	0.1302425E-05	0.2847232E-10	0.9997571
0.2800000E-04	0.3000000E-04	0.2900000E-04	0.2531843E-05	0.5836764E-10	0.1265922E-05	0.2918384E-10	0.9997557
0.3000000E-04	0.3200000E-04	0.3100000E-04	0.2444237E-05	0.6023410E-10	0.1222118E-05	0.3011704E-10	0.9997532

0.3200000E-04	0.3400000E-04	0.3300000E-04	0.2377073E-05	0.6235824E-10	0.1188536E-05	0.3117911E-10	0.9997508
0.3400000E-04	0.3600000E-04	0.3500000E-04	0.2299685E-05	0.6398436E-10	0.1149842E-05	0.3199217E-10	0.9997484
0.3600000E-04	0.3800000E-04	0.3700000E-04	0.2225217E-05	0.6545028E-10	0.1112610E-05	0.3272519E-10	0.9997461
0.3800000E-04	0.4000000E-04	0.3900000E-04	0.2169735E-05	0.6726802E-10	0.1084867E-05	0.3363400E-10	0.9997439
0.4000000E-04	0.4250000E-04	0.4125000E-04	0.2655589E-05	0.8708075E-10	0.1062235E-05	0.3483229E-10	0.9997417
0.4250000E-04	0.4500000E-04	0.4375000E-04	0.2555206E-05	0.8886718E-10	0.1022082E-05	0.3554686E-10	0.9997391
0.4500000E-04	0.4750000E-04	0.4625000E-04	0.2471250E-05	0.9085856E-10	0.9884998E-06	0.3634341E-10	0.9997365
0.4750000E-04	0.5000000E-04	0.4875000E-04	0.2405541E-05	0.9322337E-10	0.9622175E-06	0.3728939E-10	0.9997340
0.5000000E-04	0.5250000E-04	0.5125000E-04	0.2316112E-05	0.9436062E-10	0.9264446E-06	0.3774424E-10	0.9997317
0.5250000E-04	0.5500000E-04	0.5375000E-04	0.2133598E-05	0.9116505E-10	0.8534388E-06	0.3646601E-10	0.9997293
0.5500000E-04	0.5750000E-04	0.5625000E-04	0.2013138E-05	0.9001883E-10	0.8052548E-06	0.3600752E-10	0.9997272
0.5750000E-04	0.6000000E-04	0.5875000E-04	0.1967506E-05	0.9188855E-10	0.7870034E-06	0.3675546E-10	0.9997252
0.6000000E-04	0.6300000E-04	0.6150000E-04	0.2304066E-05	0.1126438E-09	0.7680219E-06	0.3754794E-10	0.9997232
0.6300000E-04	0.6600000E-04	0.6450000E-04	0.2251502E-05	0.1154435E-09	0.7505004E-06	0.3848115E-10	0.9997209
0.6600000E-04	0.6900000E-04	0.6750000E-04	0.2207699E-05	0.1184625E-09	0.7358993E-06	0.3948750E-10	0.9997186
0.6900000E-04	0.7200000E-04	0.7050000E-04	0.2277784E-05	0.1276553E-09	0.7592611E-06	0.4255177E-10	0.9997164
0.7200000E-04	0.7600000E-04	0.7400000E-04	0.2969875E-05	0.1747058E-09	0.7424699E-06	0.4367650E-10	0.9997141
0.7600000E-04	0.8000000E-04	0.7800000E-04	0.2862416E-05	0.1774862E-09	0.7156037E-06	0.4437154E-10	0.9997112
0.8000000E-04	0.8400000E-04	0.8200000E-04	0.2771596E-05	0.1806680E-09	0.6928989E-06	0.4516698E-10	0.9997083
0.8400000E-04	0.8800000E-04	0.8600000E-04	0.2711732E-05	0.1853884E-09	0.6779327E-06	0.4634708E-10	0.9997056
0.8800000E-04	0.9200000E-04	0.9000000E-04	0.2749111E-05	0.1966854E-09	0.6872773E-06	0.4917133E-10	0.9997029
0.9200000E-04	0.9600000E-04	0.9400000E-04	0.2682529E-05	0.2004517E-09	0.6706321E-06	0.5011290E-10	0.9997001
0.9600000E-04	0.1000000E-03	0.9800000E-04	0.2576812E-05	0.2007457E-09	0.6442040E-06	0.5018649E-10	0.9996974
0.1000000E-03	0.1050000E-03	0.1025000E-03	0.3142539E-05	0.2560601E-09	0.6285077E-06	0.5121200E-10	0.9996949
0.1050000E-03	0.1100000E-03	0.1075000E-03	0.3052377E-05	0.2608459E-09	0.6104753E-06	0.5216917E-10	0.9996917
0.1100000E-03	0.1150000E-03	0.1125000E-03	0.2978641E-05	0.2663840E-09	0.5957281E-06	0.5327678E-10	0.9996887
0.1150000E-03	0.1200000E-03	0.1175000E-03	0.2899425E-05	0.2708240E-09	0.5798857E-06	0.5416486E-10	0.9996857
0.1200000E-03	0.1275000E-03	0.1237500E-03	0.4193093E-05	0.4124935E-09	0.5590792E-06	0.5499913E-10	0.9996828
0.1275000E-03	0.1350000E-03	0.1312500E-03	0.4016783E-05	0.4190975E-09	0.5355712E-06	0.5587967E-10	0.9996786
0.1350000E-03	0.1425000E-03	0.1387500E-03	0.3854710E-05	0.4251694E-09	0.5139614E-06	0.5668927E-10	0.9996746
0.1425000E-03	0.1500000E-03	0.1462500E-03	0.3704143E-05	0.4306466E-09	0.4938848E-06	0.5741944E-10	0.9996707
0.1500000E-03	0.1600000E-03	0.1550000E-03	0.4673102E-05	0.5758035E-09	0.4673107E-06	0.5758042E-10	0.9996670
0.1600000E-03	0.1700000E-03	0.1650000E-03	0.4317569E-05	0.5663183E-09	0.4317568E-06	0.5663181E-10	0.9996624
0.1700000E-03	0.1800000E-03	0.1750000E-03	0.3983202E-05	0.5541250E-09	0.3983201E-06	0.5541249E-10	0.9996581
0.1800000E-03	0.1900000E-03	0.1850000E-03	0.3740093E-05	0.5500365E-09	0.3740092E-06	0.5500363E-10	0.9996541
0.1900000E-03	0.2000000E-03	0.1950000E-03	0.3625468E-05	0.5619996E-09	0.3625472E-06	0.5620002E-10	0.9996504
0.2000000E-03	0.2100000E-03	0.2050000E-03	0.3429088E-05	0.5588173E-09	0.3429087E-06	0.5588171E-10	0.9996467
0.2100000E-03	0.2200000E-03	0.2150000E-03	0.3279425E-05	0.5604973E-09	0.3279423E-06	0.5604971E-10	0.9996433
0.2200000E-03	0.2300000E-03	0.2250000E-03	0.3129763E-05	0.5597979E-09	0.3129762E-06	0.5597977E-10	0.9996400

0.2300000E-03	0.2400000E-03	0.2350000E-03	0.2981558E-05	0.5569913E-09	0.2981561E-06	0.5569920E-10	0.9996368
0.2400000E-03	0.2550000E-03	0.2475000E-03	0.4293840E-05	0.8448088E-09	0.2862561E-06	0.5632059E-10	0.9996338
0.2550000E-03	0.2700000E-03	0.2625000E-03	0.4096724E-05	0.8548764E-09	0.2731149E-06	0.5699177E-10	0.9996296
0.2700000E-03	0.2800000E-03	0.2750000E-03	0.2650118E-05	0.5793424E-09	0.2650114E-06	0.5793414E-10	0.9996254
0.2800000E-03	0.3000000E-03	0.2900000E-03	0.5120635E-05	0.1180481E-08	0.2560317E-06	0.5902405E-10	0.9996228
0.3000000E-03	0.3200000E-03	0.3100000E-03	0.4889927E-05	0.1205040E-08	0.2444966E-06	0.6025207E-10	0.9996177
0.3200000E-03	0.3400000E-03	0.3300000E-03	0.4662157E-05	0.1223033E-08	0.2331078E-06	0.6115163E-10	0.9996128
0.3400000E-03	0.3600000E-03	0.3500000E-03	0.4465042E-05	0.1242313E-08	0.2232520E-06	0.6211562E-10	0.9996082
0.3600000E-03	0.3800000E-03	0.3700000E-03	0.4269386E-05	0.1255754E-08	0.2134692E-06	0.6278767E-10	0.9996037
0.3800000E-03	0.4000000E-03	0.3900000E-03	0.4101466E-05	0.1271573E-08	0.2050735E-06	0.6357870E-10	0.9995994
0.4000000E-03	0.4250000E-03	0.4125000E-03	0.4907824E-05	0.1609349E-08	0.1963129E-06	0.6437393E-10	0.9995953
0.4250000E-03	0.4500000E-03	0.4375000E-03	0.4686976E-05	0.1630077E-08	0.1874791E-06	0.6520311E-10	0.9995904
0.4500000E-03	0.4750000E-03	0.4625000E-03	0.4484389E-05	0.1648741E-08	0.1793754E-06	0.6594959E-10	0.9995857
0.4750000E-03	0.5000000E-03	0.4875000E-03	0.4303698E-05	0.1667838E-08	0.1721478E-06	0.6671347E-10	0.9995812
0.5000000E-03	0.5250000E-03	0.5125000E-03	0.4102924E-05	0.1671570E-08	0.1641172E-06	0.6686293E-10	0.9995769
0.5250000E-03	0.5500000E-03	0.5375000E-03	0.3765281E-05	0.1608841E-08	0.1506111E-06	0.6435361E-10	0.9995728
0.5500000E-03	0.5750000E-03	0.5625000E-03	0.3655773E-05	0.1634704E-08	0.1462308E-06	0.6538811E-10	0.9995691
0.5750000E-03	0.6000000E-03	0.5875000E-03	0.3566341E-05	0.1665590E-08	0.1426535E-06	0.6662355E-10	0.9995654
0.6000000E-03	0.6300000E-03	0.6150000E-03	0.4152573E-05	0.2030158E-08	0.1384191E-06	0.6767194E-10	0.9995618
0.6300000E-03	0.6600000E-03	0.6450000E-03	0.4058397E-05	0.2080902E-08	0.1352799E-06	0.6936341E-10	0.9995577
0.6600000E-03	0.6900000E-03	0.6750000E-03	0.4167906E-05	0.2236449E-08	0.1389302E-06	0.7454833E-10	0.9995536
0.6900000E-03	0.7200000E-03	0.7050000E-03	0.4056207E-05	0.2273247E-08	0.1352069E-06	0.7577491E-10	0.9995494
0.7200000E-03	0.7600000E-03	0.7400000E-03	0.5233064E-05	0.3078401E-08	0.1308265E-06	0.7695999E-10	0.9995454
0.7600000E-03	0.8000000E-03	0.7800000E-03	0.4984835E-05	0.3090884E-08	0.1246210E-06	0.7727220E-10	0.9995402
0.8000000E-03	0.8400000E-03	0.8200000E-03	0.4754146E-05	0.3099015E-08	0.1188536E-06	0.7747537E-10	0.9995351
0.8400000E-03	0.8800000E-03	0.8600000E-03	0.4552647E-05	0.3112431E-08	0.1138161E-06	0.7781075E-10	0.9995304
0.8800000E-03	0.9200000E-03	0.9000000E-03	0.4336550E-05	0.3102589E-08	0.1084137E-06	0.7756470E-10	0.9995258
0.9200000E-03	0.9600000E-03	0.9400000E-03	0.4164252E-05	0.3111732E-08	0.1041064E-06	0.7779340E-10	0.9995215
0.9600000E-03	0.1000000E-02	0.9800000E-03	0.4015332E-05	0.3128130E-08	0.1003831E-06	0.7820312E-10	0.9995173
0.1000000E-02	0.1050000E-02	0.1025000E-02	0.4847583E-05	0.3949903E-08	0.9695182E-07	0.7899819E-10	0.9995133
0.1050000E-02	0.1100000E-02	0.1075000E-02	0.4694281E-05	0.4011575E-08	0.9388556E-07	0.8023145E-10	0.9995085
0.1100000E-02	0.1150000E-02	0.1125000E-02	0.4581123E-05	0.4096961E-08	0.9162239E-07	0.8193916E-10	0.9995038
0.1150000E-02	0.1200000E-02	0.1175000E-02	0.4449712E-05	0.4156302E-08	0.8899418E-07	0.8312600E-10	0.9994992
0.1200000E-02	0.1275000E-02	0.1237500E-02	0.6466495E-05	0.6361383E-08	0.8621994E-07	0.8481844E-10	0.9994947
0.1275000E-02	0.1350000E-02	0.1312500E-02	0.6214626E-05	0.6484129E-08	0.8286168E-07	0.8645507E-10	0.9994883
0.1350000E-02	0.1425000E-02	0.1387500E-02	0.5984657E-05	0.6600997E-08	0.7979543E-07	0.8801330E-10	0.9994821
0.1425000E-02	0.1500000E-02	0.1462500E-02	0.5771115E-05	0.6709544E-08	0.7694821E-07	0.8946059E-10	0.9994761
0.1500000E-02	0.1600000E-02	0.1550000E-02	0.7431995E-05	0.9157447E-08	0.7431999E-07	0.9157452E-10	0.9994704
0.1600000E-02	0.1700000E-02	0.1650000E-02	0.7149471E-05	0.9377675E-08	0.7149466E-07	0.9377669E-10	0.9994629

0.1700000E-02	0.1800000E-02	0.1750000E-02	0.6874961E-05	0.9564134E-08	0.6874964E-07	0.9564139E-10	0.9994557
0.1800000E-02	0.1900000E-02	0.1850000E-02	0.6507748E-05	0.9570615E-08	0.6507744E-07	0.9570608E-10	0.9994489
0.1900000E-02	0.2000000E-02	0.1950000E-02	0.6316473E-05	0.9791441E-08	0.6316469E-07	0.9791435E-10	0.9994424
0.2000000E-02	0.2100000E-02	0.2050000E-02	0.6224471E-05	0.1014364E-07	0.6224482E-07	0.1014365E-09	0.9994361
0.2100000E-02	0.2200000E-02	0.2150000E-02	0.6244197E-05	0.1067216E-07	0.6244193E-07	0.1067215E-09	0.9994299
0.2200000E-02	0.2300000E-02	0.2250000E-02	0.6304792E-05	0.1127692E-07	0.6304789E-07	0.1127692E-09	0.9994236
0.2300000E-02	0.2400000E-02	0.2350000E-02	0.6231786E-05	0.1164174E-07	0.6231782E-07	0.1164173E-09	0.9994173
0.2400000E-02	0.2550000E-02	0.2475000E-02	0.9391477E-05	0.1847764E-07	0.6260985E-07	0.1231843E-09	0.9994110
0.2550000E-02	0.2700000E-02	0.2625000E-02	0.9699195E-05	0.2023962E-07	0.6466131E-07	0.1349308E-09	0.9994016
0.2700000E-02	0.2800000E-02	0.2750000E-02	0.6514304E-05	0.1424092E-07	0.6514315E-07	0.1424094E-09	0.9993919
0.2800000E-02	0.3000000E-02	0.2900000E-02	0.1311771E-04	0.3024080E-07	0.6558849E-07	0.1512039E-09	0.9993854
0.3000000E-02	0.3200000E-02	0.3100000E-02	0.1413977E-04	0.3484508E-07	0.7069890E-07	0.1742255E-09	0.9993723
0.3200000E-02	0.3400000E-02	0.3300000E-02	0.1484940E-04	0.3895474E-07	0.7424697E-07	0.1947736E-09	0.9993582
0.3400000E-02	0.3600000E-02	0.3500000E-02	0.1546264E-04	0.4302184E-07	0.7731323E-07	0.2151093E-09	0.9993433
0.3600000E-02	0.3800000E-02	0.3700000E-02	0.1633872E-04	0.4805706E-07	0.8169358E-07	0.2402852E-09	0.9993279
0.3800000E-02	0.4000000E-02	0.3900000E-02	0.1712719E-04	0.5309922E-07	0.8563590E-07	0.2654959E-09	0.9993116
0.4000000E-02	0.4250000E-02	0.4125000E-02	0.2250407E-04	0.7379420E-07	0.9001624E-07	0.2951768E-09	0.9992945
0.4250000E-02	0.4500000E-02	0.4375000E-02	0.2328884E-04	0.8099594E-07	0.9315552E-07	0.3239843E-09	0.9992719
0.4500000E-02	0.4750000E-02	0.4625000E-02	0.2432921E-04	0.8944934E-07	0.9731682E-07	0.3577973E-09	0.9992486
0.4750000E-02	0.5000000E-02	0.4875000E-02	0.2480375E-04	0.9612345E-07	0.9921499E-07	0.3844937E-09	0.9992243
0.5000000E-02	0.5250000E-02	0.5125000E-02	0.2555206E-04	0.1041015E-06	0.1022082E-06	0.4164061E-09	0.9991995
0.5250000E-02	0.5500000E-02	0.5375000E-02	0.2589883E-04	0.1106614E-06	0.1035953E-06	0.4426453E-09	0.9991739
0.5500000E-02	0.5750000E-02	0.5625000E-02	0.2675666E-04	0.1196443E-06	0.1070266E-06	0.4785770E-09	0.9991480
0.5750000E-02	0.6000000E-02	0.5875000E-02	0.2726771E-04	0.1273485E-06	0.1090708E-06	0.5093940E-09	0.9991212
0.6000000E-02	0.6300000E-02	0.6150000E-02	0.3412293E-04	0.1668241E-06	0.1137431E-06	0.5560804E-09	0.9990940
0.6300000E-02	0.6600000E-02	0.6450000E-02	0.3513042E-04	0.1801277E-06	0.1171014E-06	0.6004257E-09	0.9990599
0.6600000E-02	0.6900000E-02	0.6750000E-02	0.3644454E-04	0.1955571E-06	0.1214818E-06	0.6518571E-09	0.9990248
0.6900000E-02	0.7200000E-02	0.7050000E-02	0.3712347E-04	0.2080535E-06	0.1237449E-06	0.6935119E-09	0.9989884
0.7200000E-02	0.7600000E-02	0.7400000E-02	0.5180500E-04	0.3047479E-06	0.1295124E-06	0.7618693E-09	0.9989513
0.7600000E-02	0.8000000E-02	0.7800000E-02	0.5431641E-04	0.3367930E-06	0.1357909E-06	0.8419820E-09	0.9988995
0.8000000E-02	0.8400000E-02	0.8200000E-02	0.5647724E-04	0.3681499E-06	0.1411933E-06	0.9203763E-09	0.9988452
0.8400000E-02	0.8800000E-02	0.8600000E-02	0.5884277E-04	0.4022804E-06	0.1471068E-06	0.1005700E-08	0.9987887
0.8800000E-02	0.9200000E-02	0.9000000E-02	0.6187981E-04	0.4427197E-06	0.1546994E-06	0.1106799E-08	0.9987298
0.9200000E-02	0.9600000E-02	0.9400001E-02	0.6360278E-04	0.4752710E-06	0.1590068E-06	0.1188177E-08	0.9986680
0.9600000E-02	0.1000000E-01	0.9800000E-02	0.6620162E-04	0.5157415E-06	0.1655043E-06	0.1289356E-08	0.9986044
0.1000000E-01	0.1050000E-01	0.1025000E-01	0.8611043E-04	0.7016443E-06	0.1722208E-06	0.1403288E-08	0.9985381
0.1050000E-01	0.1100000E-01	0.1075000E-01	0.9052729E-04	0.7736158E-06	0.1810545E-06	0.1547231E-08	0.9984520
0.1100000E-01	0.1150000E-01	0.1125000E-01	0.9341104E-04	0.8353878E-06	0.1868221E-06	0.1670775E-08	0.9983615
0.1150000E-01	0.1200000E-01	0.1175000E-01	0.9720733E-04	0.9079757E-06	0.1944146E-06	0.1815951E-08	0.9982681

0.1200000E-01	0.1275000E-01	0.1237500E-01	0.1505745E-03	0.1481269E-05	0.2007661E-06	0.1975027E-08	0.9981709
0.1275000E-01	0.1350000E-01	0.1312500E-01	0.1581308E-03	0.1649883E-05	0.2108410E-06	0.2199843E-08	0.9980203
0.1350000E-01	0.1425000E-01	0.1387500E-01	0.1662343E-03	0.1833543E-05	0.2216458E-06	0.2444725E-08	0.9978622
0.1425000E-01	0.1500000E-01	0.1462500E-01	0.1741737E-03	0.2024957E-05	0.2322318E-06	0.2699944E-08	0.9976959
0.1500000E-01	0.1600000E-01	0.1550000E-01	0.2436209E-03	0.3001813E-05	0.2436207E-06	0.3001810E-08	0.9975218
0.1600000E-01	0.1700000E-01	0.1650000E-01	0.2589519E-03	0.3396568E-05	0.2589518E-06	0.3396568E-08	0.9972782
0.1700000E-01	0.1800000E-01	0.1750000E-01	0.2739906E-03	0.3811632E-05	0.2739910E-06	0.3811639E-08	0.9970192
0.1800000E-01	0.1900000E-01	0.1850000E-01	0.2851610E-03	0.4193718E-05	0.2851610E-06	0.4193718E-08	0.9967452
0.1900000E-01	0.2000000E-01	0.1950000E-01	0.2964769E-03	0.4595818E-05	0.2964769E-06	0.4595818E-08	0.9964601
0.2000000E-01	0.2100000E-01	0.2050000E-01	0.3098371E-03	0.5049223E-05	0.3098370E-06	0.5049222E-08	0.9961636
0.2100000E-01	0.2200000E-01	0.2150000E-01	0.3185247E-03	0.5444011E-05	0.3185247E-06	0.5444010E-08	0.9958538
0.2200000E-01	0.2300000E-01	0.2250000E-01	0.3316658E-03	0.5932266E-05	0.3316658E-06	0.5932265E-08	0.9955353
0.2300000E-01	0.2400000E-01	0.2350000E-01	0.3442958E-03	0.6431866E-05	0.3442958E-06	0.6431864E-08	0.9952036
0.2400000E-01	0.2500000E-01	0.2475000E-01	0.5418494E-03	0.1066083E-04	0.3612330E-06	0.7107225E-08	0.9948593
0.2500000E-01	0.2700000E-01	0.2625000E-01	0.5655040E-03	0.1180055E-04	0.3770023E-06	0.7867028E-08	0.9943175
0.2700000E-01	0.2800000E-01	0.2750000E-01	0.3930638E-03	0.8592768E-05	0.3930637E-06	0.8592766E-08	0.9937519
0.2800000E-01	0.3000000E-01	0.2900000E-01	0.8150370E-03	0.1878939E-04	0.4075188E-06	0.9394702E-08	0.9933589
0.3000000E-01	0.3200000E-01	0.3100000E-01	0.8604484E-03	0.2120430E-04	0.4302237E-06	0.1060214E-07	0.9925438
0.3200000E-01	0.3400000E-01	0.3300000E-01	0.9049812E-03	0.2374056E-04	0.4524905E-06	0.1187028E-07	0.9916834
0.3400000E-01	0.3600000E-01	0.3500000E-01	0.9492208E-03	0.2641026E-04	0.4746112E-06	0.1320515E-07	0.9907784
0.3600000E-01	0.3800000E-01	0.3700000E-01	0.9917120E-03	0.2916920E-04	0.4958559E-06	0.1458460E-07	0.9898292
0.3800000E-01	0.4000000E-01	0.3900000E-01	0.1035516E-02	0.3210396E-04	0.5177578E-06	0.1605198E-07	0.9888375
0.4000000E-01	0.4250000E-01	0.4125000E-01	0.1362838E-02	0.4468952E-04	0.5451351E-06	0.1787580E-07	0.9878020
0.4250000E-01	0.4500000E-01	0.4375000E-01	0.1430551E-02	0.4975295E-04	0.5722201E-06	0.1990117E-07	0.9864391
0.4500000E-01	0.4750000E-01	0.4625000E-01	0.1511038E-02	0.5555517E-04	0.6044158E-06	0.2222209E-07	0.9850085
0.4750000E-01	0.5000000E-01	0.4875000E-01	0.1590616E-02	0.6164210E-04	0.6362462E-06	0.2465683E-07	0.9834975
0.5000000E-01	0.5250000E-01	0.5125000E-01	0.1645186E-02	0.6702644E-04	0.6580749E-06	0.2681060E-07	0.9819069
0.5250000E-01	0.5500000E-01	0.5375000E-01	0.1685889E-02	0.7203522E-04	0.6743553E-06	0.2881407E-07	0.9802617
0.5500000E-01	0.5750000E-01	0.5625000E-01	0.1736993E-02	0.7767085E-04	0.6947970E-06	0.3106832E-07	0.9785758
0.5750000E-01	0.6000000E-01	0.5875000E-01	0.1776414E-02	0.8296395E-04	0.7105663E-06	0.3318561E-07	0.9768388
0.6000000E-01	0.6300000E-01	0.6150000E-01	0.2175942E-02	0.1063800E-03	0.7253134E-06	0.3545995E-07	0.9750624
0.6300000E-01	0.6600000E-01	0.6450000E-01	0.2247120E-02	0.1152188E-03	0.7490403E-06	0.3840628E-07	0.9728864
0.6600000E-01	0.6900000E-01	0.6750000E-01	0.2308445E-02	0.1238684E-03	0.7694821E-06	0.4128950E-07	0.9706393
0.6900000E-01	0.7200000E-01	0.7050000E-01	0.2376341E-02	0.1331788E-03	0.7921139E-06	0.4439296E-07	0.9683309
0.7200000E-01	0.7600000E-01	0.7400000E-01	0.3250222E-02	0.1911975E-03	0.8125555E-06	0.4779936E-07	0.9659546
0.7600000E-01	0.8000000E-01	0.7799999E-01	0.3334909E-02	0.2067835E-03	0.8337273E-06	0.5169587E-07	0.9627044
0.8000000E-01	0.8400000E-01	0.8200000E-01	0.3407915E-02	0.2221468E-03	0.8519787E-06	0.5553668E-07	0.9593695
0.8400000E-01	0.8800000E-01	0.8600000E-01	0.3480921E-02	0.2379742E-03	0.8702301E-06	0.5949355E-07	0.9559616
0.8800000E-01	0.9200000E-01	0.9000000E-01	0.3542246E-02	0.2534303E-03	0.8855614E-06	0.6335758E-07	0.9524807

0.9200000E-01	0.9600000E-01	0.9400000E-01	0.3629853E-02	0.2712403E-03	0.9074632E-06	0.6781007E-07	0.9489384
0.9600000E-01	0.1000000	0.9800000E-01	0.3717461E-02	0.2896075E-03	0.9293651E-06	0.7240187E-07	0.9453086
0.1000000	0.1050000	0.1025000	0.4727126E-02	0.3851752E-03	0.9454261E-06	0.7703512E-07	0.9415911
0.1050000	0.1100000	0.1075000	0.4774587E-02	0.4080202E-03	0.9549169E-06	0.8160400E-07	0.9368640
0.1100000	0.1150000	0.1125000	0.4818391E-02	0.4309153E-03	0.9636777E-06	0.8618301E-07	0.9320894
0.1150000	0.1200000	0.1175000	0.4843935E-02	0.4524531E-03	0.9687881E-06	0.9049071E-07	0.9272710
0.1200000	0.1275000	0.1237500	0.7315190E-02	0.7196282E-03	0.9753586E-06	0.9595043E-07	0.9224271
0.1275000	0.1350000	0.1312500	0.7375428E-02	0.7695270E-03	0.9833893E-06	0.1026035E-06	0.9151118
0.1350000	0.1425000	0.1387500	0.7430167E-02	0.8195377E-03	0.9906898E-06	0.1092718E-06	0.9077364
0.1425000	0.1500000	0.1462500	0.7479461E-02	0.8695680E-03	0.9972605E-06	0.1159423E-06	0.9003062
0.1500000	0.1600000	0.1550000	0.9950693E-02	0.1226090E-02	0.9950702E-06	0.1226091E-06	0.8928267
0.1600000	0.1700000	0.1650000	0.9855800E-02	0.1292746E-02	0.9855795E-06	0.1292745E-06	0.8828760
0.1700000	0.1800000	0.1750000	0.9768193E-02	0.1358907E-02	0.9768188E-06	0.1358906E-06	0.8730202
0.1800000	0.1900000	0.1850000	0.9687871E-02	0.1424746E-02	0.9687881E-06	0.1424747E-06	0.8632520
0.1900000	0.2000000	0.1950000	0.9607580E-02	0.1489313E-02	0.9607575E-06	0.1489312E-06	0.8535642
0.2000000	0.2100000	0.2050000	0.9490755E-02	0.1546650E-02	0.9490764E-06	0.1546651E-06	0.8439566
0.2100000	0.2200000	0.2150000	0.9337458E-02	0.1595896E-02	0.9337452E-06	0.1595895E-06	0.8344659
0.2200000	0.2300000	0.2250000	0.9191446E-02	0.1644007E-02	0.9191441E-06	0.1644006E-06	0.8251284
0.2300000	0.2400000	0.2350000	0.9060021E-02	0.1692523E-02	0.9060030E-06	0.1692524E-06	0.8159370
0.2400000	0.2550000	0.2475000	0.1336008E-01	0.2628582E-02	0.8906717E-06	0.1752388E-06	0.8068770
0.2550000	0.2700000	0.2625000	0.1309727E-01	0.2733049E-02	0.8731506E-06	0.1822031E-06	0.7935169
0.2700000	0.2800000	0.2750000	0.8592784E-02	0.1878469E-02	0.8592793E-06	0.1878470E-06	0.7804196
0.2800000	0.3000000	0.2900000	0.1687897E-01	0.3891180E-02	0.8439480E-06	0.1945589E-06	0.7718268
0.3000000	0.3200000	0.3100000	0.1633870E-01	0.4026398E-02	0.8169359E-06	0.2013201E-06	0.7549478
0.3200000	0.3400000	0.3300000	0.1569627E-01	0.4117635E-02	0.7848133E-06	0.2058816E-06	0.7386091
0.3400000	0.3600000	0.3500000	0.1511223E-01	0.4204689E-02	0.7556109E-06	0.2102343E-06	0.7229128
0.3600000	0.3800000	0.3700000	0.1457488E-01	0.4286908E-02	0.7287448E-06	0.2143456E-06	0.7078006
0.3800000	0.4000000	0.3900000	0.1409014E-01	0.4368349E-02	0.7045068E-06	0.2184174E-06	0.6932257
0.4000000	0.4250000	0.4125000	0.1699395E-01	0.5572571E-02	0.6797578E-06	0.2229028E-06	0.6791356
0.4250000	0.4500000	0.4375000	0.1636790E-01	0.5692571E-02	0.6547168E-06	0.2277031E-06	0.6621417
0.4500000	0.4750000	0.4625000	0.1580030E-01	0.5809174E-02	0.6320119E-06	0.2323669E-06	0.6457738
0.4750000	0.5000000	0.4875000	0.1528379E-01	0.5923016E-02	0.6113513E-06	0.2369206E-06	0.6299735
0.5000000	0.5250000	0.5125000	0.1468147E-01	0.5981371E-02	0.5872594E-06	0.2392551E-06	0.6146897
0.5250000	0.5500000	0.5375000	0.1399707E-01	0.5980715E-02	0.5598821E-06	0.2392283E-06	0.6000082
0.5500000	0.5750000	0.5625000	0.1338197E-01	0.5983837E-02	0.5352791E-06	0.2393537E-06	0.5860112
0.5750000	0.6000000	0.5875000	0.1283080E-01	0.5992375E-02	0.5132313E-06	0.2396947E-06	0.5726292
0.6000000	0.6300000	0.6150000	0.1470483E-01	0.7189067E-02	0.4901615E-06	0.2396358E-06	0.5597984
0.6300000	0.6600000	0.6450000	0.1403029E-01	0.7193887E-02	0.4676757E-06	0.2397960E-06	0.5450936
0.6600000	0.6900000	0.6750000	0.1342358E-01	0.7202934E-02	0.4474531E-06	0.2400980E-06	0.5310633

0.6900000	0.7200000	0.7050000	0.1285197E-01	0.7202713E-02	0.4283985E-06	0.2400902E-06	0.5176398
0.7200000	0.7600000	0.7400000	0.1634746E-01	0.9616555E-02	0.4086870E-06	0.2404141E-06	0.5047878
0.7600000	0.8000000	0.7800000	0.1551230E-01	0.9618514E-02	0.3878072E-06	0.2404627E-06	0.4884403
0.8000000	0.8400000	0.8200000	0.1478222E-01	0.9635868E-02	0.3695558E-06	0.2408969E-06	0.4729280
0.8400000	0.8800000	0.8600000	0.1409890E-01	0.9638760E-02	0.3524724E-06	0.2409689E-06	0.4581458
0.8800000	0.9200000	0.9000000	0.1350025E-01	0.9658769E-02	0.3375062E-06	0.2414691E-06	0.4440469
0.9200000	0.9600000	0.9400000	0.1294247E-01	0.9671246E-02	0.3235621E-06	0.2417814E-06	0.4305467
0.9600000	1.000000	0.9800000	0.1243729E-01	0.9689228E-02	0.3109321E-06	0.2422306E-06	0.4176042
1.000000	1.100000	1.050000	0.2872783E-01	0.2397891E-01	0.2872782E-06	0.2397890E-06	0.4051669
1.100000	1.200000	1.150000	0.2564697E-01	0.2344614E-01	0.2564697E-06	0.2344613E-06	0.3764391
1.200000	1.300000	1.250000	0.2317204E-01	0.2302564E-01	0.2317207E-06	0.2302566E-06	0.3507921
1.300000	1.400000	1.350000	0.2115711E-01	0.2270531E-01	0.2115711E-06	0.2270531E-06	0.3276201
1.400000	1.500000	1.450000	0.1943417E-01	0.2240120E-01	0.1943416E-06	0.2240120E-06	0.3064629
1.500000	1.600000	1.550000	0.1805436E-01	0.2224596E-01	0.1805435E-06	0.2224595E-06	0.2870288
1.600000	1.700000	1.650000	0.1693007E-01	0.2220650E-01	0.1693006E-06	0.2220649E-06	0.2689744
1.700000	1.800000	1.750000	0.1590067E-01	0.2212029E-01	0.1590068E-06	0.2212031E-06	0.2520443
1.800000	1.900000	1.850000	0.1495891E-01	0.2199930E-01	0.1495890E-06	0.2199930E-06	0.2361437
1.900000	2.000000	1.950000	0.1411204E-01	0.2187569E-01	0.1411203E-06	0.2187568E-06	0.2211848
2.000000	2.100000	2.050000	0.1321405E-01	0.2153412E-01	0.1321406E-06	0.2153414E-06	0.2070727
2.100000	2.200000	2.150000	0.1227961E-01	0.2098748E-01	0.1227959E-06	0.2098745E-06	0.1938587
2.200000	2.300000	2.250000	0.1144731E-01	0.2047498E-01	0.1144732E-06	0.2047500E-06	0.1815791
2.300000	2.400000	2.350000	0.1070268E-01	0.1999390E-01	0.1070266E-06	0.1999388E-06	0.1701318
2.400000	2.500000	2.450000	0.1003100E-01	0.1953655E-01	0.1003101E-06	0.1953657E-06	0.1594291
2.500000	2.600000	2.550000	0.9425050E-02	0.1910562E-01	0.9425059E-07	0.1910564E-06	0.1493981
2.600000	2.700000	2.650000	0.8870227E-02	0.1868607E-01	0.8870214E-07	0.1868604E-06	0.1399730
2.700000	2.800000	2.750000	0.8366466E-02	0.1828993E-01	0.8366474E-07	0.1828995E-06	0.1311028
2.800000	2.900000	2.850000	0.7913849E-02	0.1792957E-01	0.7913838E-07	0.1792955E-06	0.1227363
2.900000	3.000000	2.950000	0.7497697E-02	0.1758277E-01	0.7497704E-07	0.1758278E-06	0.1148225
3.000000	3.100000	3.050000	0.7002718E-02	0.1697868E-01	0.7002725E-07	0.1697869E-06	0.1073248
3.100000	3.200000	3.150000	0.6447889E-02	0.1614602E-01	0.6447880E-07	0.1614600E-06	0.1003221
3.200000	3.300000	3.250000	0.5955814E-02	0.1538728E-01	0.5955820E-07	0.1538729E-06	0.9387419E-01
3.300000	3.400000	3.350000	0.5517063E-02	0.1469231E-01	0.5517056E-07	0.1469229E-06	0.8791837E-01
3.400000	3.500000	3.450000	0.5122817E-02	0.1404964E-01	0.5122822E-07	0.1404966E-06	0.8240131E-01
3.500000	3.600000	3.550000	0.4768009E-02	0.1345559E-01	0.4768014E-07	0.1345560E-06	0.7727849E-01
3.600000	3.700000	3.650000	0.4445334E-02	0.1289837E-01	0.4445328E-07	0.1289835E-06	0.7251048E-01
3.700000	3.800000	3.750000	0.4153301E-02	0.1238118E-01	0.4153305E-07	0.1238119E-06	0.6806514E-01
3.800000	3.900000	3.850000	0.3888299E-02	0.1190030E-01	0.3888294E-07	0.1190028E-06	0.6391184E-01
3.900000	4.000000	3.950000	0.3647370E-02	0.1145287E-01	0.3647374E-07	0.1145288E-06	0.6002354E-01
4.000000	4.100000	4.050000	0.3417403E-02	0.1100243E-01	0.3417406E-07	0.1100244E-06	0.5637617E-01

4.100000	4.200000	4.150000	0.3196924E-02	0.1054673E-01	0.3196927E-07	0.1054674E-06	0.5295876E-01
4.200000	4.300000	4.250000	0.2995443E-02	0.1012016E-01	0.2995432E-07	0.1012012E-06	0.4976184E-01
4.300000	4.400000	4.350000	0.2811454E-02	0.9722046E-02	0.2811457E-07	0.9722055E-07	0.4676640E-01
4.400000	4.500000	4.450000	0.2642080E-02	0.9346378E-02	0.2642083E-07	0.9346387E-07	0.4395494E-01
4.500000	4.600000	4.550000	0.2485848E-02	0.8991319E-02	0.2485851E-07	0.8991327E-07	0.4131286E-01
4.600000	4.700000	4.650000	0.2342756E-02	0.8659990E-02	0.2342758E-07	0.8659998E-07	0.3882701E-01
4.700000	4.800000	4.750000	0.2210627E-02	0.8347307E-02	0.2210618E-07	0.8347276E-07	0.3648426E-01
4.800000	4.900000	4.850000	0.2087967E-02	0.8050126E-02	0.2087969E-07	0.8050134E-07	0.3427363E-01
4.900000	5.000000	4.950000	0.1974807E-02	0.7770828E-02	0.1974809E-07	0.7770835E-07	0.3218566E-01
5.000000	5.100000	5.050000	0.1876980E-02	0.7535088E-02	0.1876982E-07	0.7535095E-07	0.3021085E-01
5.100000	5.200000	5.150000	0.1792293E-02	0.7337591E-02	0.1792294E-07	0.7337598E-07	0.2833387E-01
5.200000	5.300000	5.250000	0.1712725E-02	0.7147996E-02	0.1712719E-07	0.7147969E-07	0.2654158E-01
5.300000	5.400000	5.350000	0.1638251E-02	0.6967413E-02	0.1638252E-07	0.6967420E-07	0.2482886E-01
5.400000	5.500000	5.450000	0.1568895E-02	0.6797163E-02	0.1568896E-07	0.6797169E-07	0.2319061E-01
5.500000	5.600000	5.550000	0.1503190E-02	0.6631996E-02	0.1503191E-07	0.6632003E-07	0.2162171E-01
5.600000	5.700000	5.650000	0.1442595E-02	0.6479331E-02	0.1442596E-07	0.6479337E-07	0.2011852E-01
5.700000	5.800000	5.750000	0.1384927E-02	0.6330411E-02	0.1384921E-07	0.6330387E-07	0.1867593E-01
5.800000	5.900000	5.850000	0.1330896E-02	0.6189241E-02	0.1330897E-07	0.6189246E-07	0.1729100E-01
5.900000	6.000000	5.950000	0.1279792E-02	0.6053322E-02	0.1279793E-07	0.6053327E-07	0.1596010E-01
6.000000	6.100000	6.050000	0.1203866E-02	0.5789898E-02	0.1203867E-07	0.5789904E-07	0.1468031E-01
6.100000	6.200000	6.150000	0.1108958E-02	0.5421602E-02	0.1108959E-07	0.5421607E-07	0.1347645E-01
6.200000	6.300000	6.250000	0.1019896E-02	0.5067261E-02	0.1019892E-07	0.5067242E-07	0.1236749E-01
6.300000	6.400000	6.350000	0.9359345E-03	0.4724508E-02	0.9359354E-08	0.4724512E-07	0.1134759E-01
6.400000	6.500000	6.450000	0.8600085E-03	0.4409607E-02	0.8600093E-08	0.4409611E-07	0.1041166E-01
6.500000	6.600000	6.550000	0.7913831E-03	0.4120647E-02	0.7913838E-08	0.4120651E-07	0.9551650E-02
6.600000	6.700000	6.650000	0.7300581E-03	0.3859370E-02	0.7300587E-08	0.3859373E-07	0.8760267E-02
6.700000	6.800000	6.750000	0.6761831E-03	0.3628319E-02	0.6761805E-08	0.3628305E-07	0.8030209E-02
6.800000	6.900000	6.850000	0.6289452E-03	0.3424844E-02	0.6289458E-08	0.3424847E-07	0.7354026E-02
6.900000	7.000000	6.950000	0.5857986E-03	0.3236462E-02	0.5857992E-08	0.3236465E-07	0.6725080E-02
7.000000	7.100000	7.050000	0.5349866E-03	0.2998261E-02	0.5349871E-08	0.2998264E-07	0.6139282E-02
7.100000	7.200000	7.150000	0.4790642E-03	0.2722934E-02	0.4790647E-08	0.2722937E-07	0.5604295E-02
7.200000	7.300000	7.250000	0.4289841E-03	0.2472388E-02	0.4289825E-08	0.2472379E-07	0.5125231E-02
7.300000	7.400000	7.350000	0.3840106E-03	0.2243717E-02	0.3840110E-08	0.2243719E-07	0.4696247E-02
7.400000	7.500000	7.450000	0.3443685E-03	0.2039468E-02	0.3443688E-08	0.2039470E-07	0.4312236E-02
7.500000	7.600000	7.550000	0.3091796E-03	0.1855646E-02	0.3091799E-08	0.1855648E-07	0.3967868E-02
7.600000	7.700000	7.650000	0.2777141E-03	0.1688872E-02	0.2777143E-08	0.1688873E-07	0.3658688E-02
7.700000	7.799990	7.749995	0.2496561E-03	0.1538087E-02	0.2496801E-08	0.1538235E-07	0.3380974E-02
7.799990	7.899990	7.849990	0.2250769E-03	0.1404551E-02	0.2250772E-08	0.1404552E-07	0.3131318E-02
7.899990	7.999990	7.949990	0.2032482E-03	0.1284490E-02	0.2032484E-08	0.1284491E-07	0.2906241E-02

7.999990	8.099990	8.049990	0.1863109E-03	0.1192260E-02	0.1863111E-08	0.1192261E-07	0.2702993E-02
8.099990	8.200000	8.149995	0.1734061E-03	0.1123464E-02	0.1733889E-08	0.1123352E-07	0.2516682E-02
8.200000	8.300000	8.250000	0.1614897E-03	0.1059098E-02	0.1614890E-08	0.1059094E-07	0.2343276E-02
8.300000	8.400000	8.350000	0.1505373E-03	0.9992357E-03	0.1505381E-08	0.9992414E-08	0.2181786E-02
8.400000	8.500000	8.450000	0.1403179E-03	0.9425558E-03	0.1403173E-08	0.9425522E-08	0.2031249E-02
8.500000	8.600000	8.550000	0.1308270E-03	0.8892031E-03	0.1308265E-08	0.8891997E-08	0.1890931E-02
8.600000	8.700000	8.650000	0.1219191E-03	0.8383498E-03	0.1219198E-08	0.8383546E-08	0.1760104E-02
8.700000	8.800000	8.750000	0.1135246E-03	0.7896511E-03	0.1135241E-08	0.7896480E-08	0.1638184E-02
8.800000	8.900000	8.850000	0.1057849E-03	0.7442252E-03	0.1057855E-08	0.7442295E-08	0.1524660E-02
8.900000	9.000000	8.950000	0.9855832E-04	0.7012190E-03	0.9855794E-09	0.7012163E-08	0.1418875E-02
9.000000	9.100000	9.050000	0.9184175E-04	0.6607331E-03	0.9184140E-09	0.6607306E-08	0.1320316E-02
9.100000	9.200000	9.150000	0.8563542E-04	0.6228907E-03	0.8563591E-09	0.6228943E-08	0.1228475E-02
9.200000	9.300000	9.250000	0.7979573E-04	0.5867577E-03	0.7979543E-09	0.5867554E-08	0.1142839E-02
9.300000	9.400000	9.350000	0.7431956E-04	0.5523980E-03	0.7431999E-09	0.5524012E-08	0.1063043E-02
9.400000	9.500000	9.450000	0.6922444E-04	0.5200303E-03	0.6922418E-09	0.5200283E-08	0.9887239E-03
9.500000	9.600000	9.550000	0.6446445E-04	0.4893967E-03	0.6446420E-09	0.4893948E-08	0.9194996E-03
9.600000	9.700000	9.650000	0.6001780E-04	0.4604100E-03	0.6001815E-09	0.4604126E-08	0.8550351E-03
9.700000	9.800000	9.750000	0.5584971E-04	0.4328754E-03	0.5584949E-09	0.4328737E-08	0.7950173E-03
9.800000	9.900000	9.850000	0.5196529E-04	0.4068993E-03	0.5196559E-09	0.4069017E-08	0.7391676E-03
9.900000	10.00000	9.950000	0.4833009E-04	0.3822768E-03	0.4832990E-09	0.3822754E-08	0.6872023E-03
10.00000	10.10000	10.05000	0.4494259E-04	0.3590555E-03	0.4494242E-09	0.3590541E-08	0.6388722E-03
10.10000	10.20000	10.15000	0.4179564E-04	0.3372363E-03	0.4179588E-09	0.3372383E-08	0.5939296E-03
10.20000	10.30000	10.25000	0.3888309E-04	0.3168269E-03	0.3888294E-09	0.3168257E-08	0.5521339E-03
10.30000	10.40000	10.35000	0.3618151E-04	0.2976901E-03	0.3618172E-09	0.2976918E-08	0.5132508E-03
10.40000	10.50000	10.45000	0.3367774E-04	0.2797671E-03	0.3367762E-09	0.2797660E-08	0.4770693E-03
10.50000	10.60000	10.55000	0.3134885E-04	0.2629126E-03	0.3134873E-09	0.2629116E-08	0.4433916E-03
10.60000	10.70000	10.65000	0.2917299E-04	0.2469835E-03	0.2917316E-09	0.2469849E-08	0.4120427E-03
10.70000	10.80000	10.75000	0.2715829E-04	0.2320856E-03	0.2715819E-09	0.2320848E-08	0.3828697E-03
10.80000	10.90000	10.85000	0.2526719E-04	0.2179335E-03	0.2526734E-09	0.2179348E-08	0.3557114E-03
10.90000	11.00000	10.95000	0.2351529E-04	0.2046924E-03	0.2351520E-09	0.2046916E-08	0.3304443E-03
11.00000	11.10000	11.05000	0.2187265E-04	0.1921326E-03	0.2187256E-09	0.1921318E-08	0.3069290E-03
11.10000	11.20000	11.15000	0.2034663E-04	0.1803452E-03	0.2034675E-09	0.1803463E-08	0.2850563E-03
11.20000	11.30000	11.25000	0.1891590E-04	0.1691675E-03	0.1891582E-09	0.1691668E-08	0.2647097E-03
11.30000	11.40000	11.35000	0.1757971E-04	0.1586153E-03	0.1757981E-09	0.1586162E-08	0.2457938E-03
11.40000	11.50000	11.45000	0.1633878E-04	0.1487176E-03	0.1633871E-09	0.1487170E-08	0.2282141E-03
11.50000	11.60000	11.55000	0.1518528E-04	0.1394255E-03	0.1518522E-09	0.1394250E-08	0.2118753E-03
11.60000	11.70000	11.65000	0.1411925E-04	0.1307600E-03	0.1411933E-09	0.1307607E-08	0.1966900E-03
11.70000	11.80000	11.75000	0.1314111E-04	0.1227460E-03	0.1314106E-09	0.1227455E-08	0.1825708E-03
11.80000	11.90000	11.85000	0.1222841E-04	0.1151929E-03	0.1222848E-09	0.1151936E-08	0.1694297E-03

11.90000	12.00000	11.95000	0.1138167E-04	0.1081212E-03	0.1138162E-09	0.1081208E-08	0.1572013E-03
12.00000	12.10000	12.05000	0.1057129E-04	0.1012634E-03	0.1057125E-09	0.1012630E-08	0.1458196E-03
12.10000	12.20000	12.15000	0.9804635E-05	0.9469892E-04	0.9804691E-10	0.9469946E-09	0.1352483E-03
12.20000	12.30000	12.25000	0.9074666E-05	0.8836985E-04	0.9074632E-10	0.8836952E-09	0.1254437E-03
12.30000	12.40000	12.35000	0.8402931E-05	0.8249642E-04	0.8402979E-10	0.8249690E-09	0.1163690E-03
12.40000	12.50000	12.45000	0.7782456E-05	0.7702353E-04	0.7782426E-10	0.7702323E-09	0.1079661E-03
12.50000	12.60000	12.55000	0.7213009E-05	0.7196107E-04	0.7212982E-10	0.7196079E-09	0.1001836E-03
12.60000	12.70000	12.65000	0.6689491E-05	0.6726992E-04	0.6689529E-10	0.6727031E-09	0.9297062E-04
12.70000	12.80000	12.75000	0.6206984E-05	0.6291123E-04	0.6206961E-10	0.6291099E-09	0.8628113E-04
12.80000	12.90000	12.85000	0.5760861E-05	0.5884749E-04	0.5760895E-10	0.5884782E-09	0.8007415E-04
12.90000	13.00000	12.95000	0.5347702E-05	0.5505215E-04	0.5347681E-10	0.5505194E-09	0.7431328E-04
13.00000	13.10000	13.05000	0.4964419E-05	0.5150108E-04	0.4964400E-10	0.5150088E-09	0.6896559E-04
13.10000	13.20000	13.15000	0.4608105E-05	0.4817097E-04	0.4608131E-10	0.4817125E-09	0.6400116E-04
13.20000	13.30000	13.25000	0.4278161E-05	0.4506199E-04	0.4278145E-10	0.4506182E-09	0.5939306E-04
13.30000	13.40000	13.35000	0.3972227E-05	0.4215535E-04	0.3972250E-10	0.4215560E-09	0.5511490E-04
13.40000	13.50000	13.45000	0.3688271E-05	0.3943506E-04	0.3688257E-10	0.3943491E-09	0.5114267E-04
13.50000	13.60000	13.55000	0.3424719E-05	0.3688940E-04	0.3424706E-10	0.3688926E-09	0.4745440E-04
13.60000	13.70000	13.65000	0.3180118E-05	0.3450749E-04	0.3180137E-10	0.3450768E-09	0.4402968E-04
13.70000	13.80000	13.75000	0.2953100E-05	0.3227886E-04	0.2953089E-10	0.3227874E-09	0.4084956E-04
13.80000	13.90000	13.85000	0.2742085E-05	0.3019034E-04	0.2742101E-10	0.3019051E-09	0.3789646E-04
13.90000	14.00000	13.95000	0.2546456E-05	0.2823889E-04	0.2546446E-10	0.2823879E-09	0.3515437E-04
14.00000	14.10000	14.05000	0.2363940E-05	0.2640280E-04	0.2363930E-10	0.2640270E-09	0.3260792E-04
14.10000	14.20000	14.15000	0.2195274E-05	0.2469349E-04	0.2195286E-10	0.2469363E-09	0.3024398E-04
14.20000	14.30000	14.25000	0.2038332E-05	0.2309017E-04	0.2038324E-10	0.2309009E-09	0.2804871E-04
14.30000	14.40000	14.35000	0.1892302E-05	0.2158637E-04	0.1892313E-10	0.2158650E-09	0.2601037E-04
14.40000	14.50000	14.45000	0.1757258E-05	0.2018556E-04	0.1757251E-10	0.2018548E-09	0.2411807E-04
14.50000	14.60000	14.55000	0.1631688E-05	0.1887284E-04	0.1631681E-10	0.1887277E-09	0.2236081E-04
14.60000	14.70000	14.65000	0.1514864E-05	0.1764203E-04	0.1514872E-10	0.1764213E-09	0.2072913E-04
14.70000	14.80000	14.75000	0.1406099E-05	0.1648714E-04	0.1406093E-10	0.1648707E-09	0.1921426E-04
14.80000	14.90000	14.85000	0.1305338E-05	0.1540944E-04	0.1305345E-10	0.1540953E-09	0.1780816E-04
14.90000	15.00000	14.95000	0.1211902E-05	0.1440277E-04	0.1211897E-10	0.1440272E-09	0.1650283E-04
15.00000	15.10000	15.05000	0.1125025E-05	0.1345972E-04	0.1125020E-10	0.1345967E-09	0.1529092E-04
15.10000	15.20000	15.15000	0.1044708E-05	0.1258186E-04	0.1044714E-10	0.1258194E-09	0.1416590E-04
15.20000	15.30000	15.25000	0.9695220E-06	0.1175344E-04	0.9695184E-11	0.1175339E-09	0.1312119E-04
15.30000	15.40000	15.35000	0.9001575E-06	0.1098409E-04	0.9001627E-11	0.1098416E-09	0.1215167E-04
15.40000	15.50000	15.45000	0.8359206E-06	0.1026670E-04	0.8359174E-11	0.1026666E-09	0.1125151E-04
15.50000	15.60000	15.55000	0.7760556E-06	0.9593135E-05	0.7760527E-11	0.9593099E-10	0.1041559E-04
15.60000	15.70000	15.65000	0.7201991E-06	0.8959923E-05	0.7202032E-11	0.8959974E-10	0.9639534E-05
15.70000	15.80000	15.75000	0.6685175E-06	0.8370102E-05	0.6685150E-11	0.8370069E-10	0.8919335E-05

15.80000	15.90000	15.85000	0.6205465E-06	0.7818815E-05	0.6205500E-11	0.7818859E-10	0.8250818E-05
15.90000	16.00000	15.95000	0.5759456E-06	0.7302633E-05	0.5759434E-11	0.7302605E-10	0.7630271E-05
16.00000	16.10000	16.05000	0.5346242E-06	0.6821203E-05	0.5346221E-11	0.6821177E-10	0.7054326E-05
16.10000	16.20000	16.15000	0.4962229E-06	0.6370694E-05	0.4962210E-11	0.6370670E-10	0.6519702E-05
16.20000	16.30000	16.25000	0.4605871E-06	0.5949802E-05	0.4605941E-11	0.5949893E-10	0.6023479E-05
16.30000	16.40000	16.35000	0.4274511E-06	0.5555736E-05	0.4274495E-11	0.5555715E-10	0.5562892E-05
16.40000	16.50000	16.45000	0.3967155E-06	0.5187791E-05	0.3967140E-11	0.5187771E-10	0.5135440E-05
16.50000	16.60000	16.55000	0.3682431E-06	0.4844734E-05	0.3682417E-11	0.4844716E-10	0.4738725E-05
16.60000	16.70000	16.65000	0.3417419E-06	0.4523242E-05	0.3417406E-11	0.4523225E-10	0.4370482E-05
16.70000	16.80000	16.75000	0.3171327E-06	0.4222729E-05	0.3171376E-11	0.4222794E-10	0.4028740E-05
16.80000	16.90000	16.85000	0.2943609E-06	0.3942914E-05	0.2943597E-11	0.3942898E-10	0.3711607E-05
16.90000	17.00000	16.95000	0.2731891E-06	0.3681039E-05	0.2731881E-11	0.3681025E-10	0.3417246E-05
17.00000	17.10000	17.05000	0.2535504E-06	0.3436577E-05	0.2535494E-11	0.3436564E-10	0.3144057E-05
17.10000	17.20000	17.15000	0.2352988E-06	0.3207904E-05	0.2352979E-11	0.3207892E-10	0.2890507E-05
17.20000	17.30000	17.25000	0.2183572E-06	0.2994291E-05	0.2183606E-11	0.2994337E-10	0.2655208E-05
17.30000	17.40000	17.35000	0.2025921E-06	0.2794212E-05	0.2025914E-11	0.2794202E-10	0.2436851E-05
17.40000	17.50000	17.45000	0.1879909E-06	0.2607772E-05	0.1879901E-11	0.2607762E-10	0.2234259E-05
17.50000	17.60000	17.55000	0.1744847E-06	0.2434287E-05	0.1744840E-11	0.2434278E-10	0.2046268E-05
17.60000	17.70000	17.65000	0.1619277E-06	0.2271973E-05	0.1619270E-11	0.2271964E-10	0.1871783E-05
17.70000	17.80000	17.75000	0.1502438E-06	0.2119983E-05	0.1502461E-11	0.2120016E-10	0.1709855E-05
17.80000	17.90000	17.85000	0.1393688E-06	0.1977611E-05	0.1393682E-11	0.1977604E-10	0.1559611E-05
17.90000	18.00000	17.95000	0.1293669E-06	0.1845972E-05	0.1293664E-11	0.1845965E-10	0.1420243E-05
18.00000	18.10000	18.05000	0.1200221E-06	0.1722169E-05	0.1200216E-11	0.1722162E-10	0.1290876E-05
18.10000	18.20000	18.15000	0.1113345E-06	0.1606363E-05	0.1113340E-11	0.1606357E-10	0.1170853E-05
18.20000	18.30000	18.25000	0.1033017E-06	0.1498676E-05	0.1033033E-11	0.1498699E-10	0.1059519E-05
18.30000	18.40000	18.35000	0.9585710E-07	0.1398291E-05	0.9585674E-12	0.1398286E-10	0.9562173E-06
18.40000	18.50000	18.45000	0.8892151E-07	0.1304189E-05	0.8892117E-12	0.1304184E-10	0.8603602E-06
18.50000	18.60000	18.55000	0.8249697E-07	0.1216520E-05	0.8249666E-12	0.1216515E-10	0.7714386E-06
18.60000	18.70000	18.65000	0.7658347E-07	0.1135406E-05	0.7658318E-12	0.1135402E-10	0.6889417E-06
18.70000	18.80000	18.75000	0.7104094E-07	0.1058881E-05	0.7104202E-12	0.1058898E-10	0.6123582E-06
18.80000	18.90000	18.85000	0.6590997E-07	0.9876425E-06	0.6590972E-12	0.9876387E-11	0.5413173E-06
18.90000	19.00000	18.95000	0.6114996E-07	0.9211764E-06	0.6114973E-12	0.9211729E-11	0.4754073E-06
19.00000	19.10000	19.05000	0.5673309E-07	0.8591495E-06	0.5673287E-12	0.8591462E-11	0.4142573E-06
19.10000	19.20000	19.15000	0.5263744E-07	0.8013106E-06	0.5263725E-12	0.8013075E-11	0.3575242E-06
19.20000	19.30000	19.25000	0.4883290E-07	0.7472752E-06	0.4883364E-12	0.7472866E-11	0.3048868E-06
19.30000	19.40000	19.35000	0.4530033E-07	0.6968184E-06	0.4530015E-12	0.6968157E-11	0.2560539E-06
19.40000	19.50000	19.45000	0.4202965E-07	0.6498495E-06	0.4202949E-12	0.6498470E-11	0.2107536E-06
19.50000	19.60000	19.55000	0.3899260E-07	0.6059911E-06	0.3899245E-12	0.6059888E-11	0.1687239E-06
19.60000	19.70000	19.65000	0.3617455E-07	0.5650712E-06	0.3617442E-12	0.5650690E-11	0.1297313E-06

1

Title: list spectrum punch file in tabular format

B-20

MANIPULATE Run 2:

Environment:

SPR-III 17" Leakage

File Name:

SCR4-LIST

B-22

MANIPULATE Version 1

Control Parameters: 4 0 1 0 0 0 0 0 0 1 0 1 0
Opening directory location: /u3 /application/manipulate/response/
Opening file: /u3/application/manipulate/response/spectrum/scr4.ref-lis

Comment

Lower Energy MeV	Upper Energy MeV	Mid Energy MeV	Number Fraction	Energy Fraction	Differential Number	Differential Energy	Integral Number
0.1000000E-09	0.1050000E-09	0.1025000E-09	0.1734935E-08	0.1329113E-18	0.3469870E-03	0.2658226E-13	0.9999991
0.1050000E-09	0.1100000E-09	0.1075000E-09	0.1819201E-08	0.1461652E-18	0.3638401E-03	0.2923303E-13	0.9999991
0.1100000E-09	0.1150000E-09	0.1125000E-09	0.1903836E-08	0.1600799E-18	0.3807671E-03	0.3201598E-13	0.9999991
0.1150000E-09	0.1200000E-09	0.1175000E-09	0.1987172E-08	0.1745131E-18	0.3974349E-03	0.3490267E-13	0.9999991
0.1200000E-09	0.1275000E-09	0.1237500E-09	0.3139107E-08	0.2903395E-18	0.4185475E-03	0.3871193E-13	0.9999991
0.1275000E-09	0.1350000E-09	0.1312500E-09	0.3328008E-08	0.3264664E-18	0.4437344E-03	0.4352886E-13	0.9999991
0.1350000E-09	0.1425000E-09	0.1387500E-09	0.3516910E-08	0.3647112E-18	0.4689213E-03	0.4862816E-13	0.9999991
0.1425000E-09	0.1500000E-09	0.1462500E-09	0.3705813E-08	0.4050738E-18	0.4941084E-03	0.5400984E-13	0.9999991
0.1500000E-09	0.1600000E-09	0.1550000E-09	0.5237400E-08	0.6067396E-18	0.5237400E-03	0.6067395E-13	0.9999991
0.1600000E-09	0.1700000E-09	0.1650000E-09	0.5570756E-08	0.6869940E-18	0.5570755E-03	0.6869940E-13	0.9999991
0.1700000E-09	0.1800000E-09	0.1750000E-09	0.5907817E-08	0.7727159E-18	0.5907816E-03	0.7727158E-13	0.9999991
0.1800000E-09	0.1900000E-09	0.1850000E-09	0.6241173E-08	0.8629643E-18	0.6241173E-03	0.8629642E-13	0.9999991

0.1900000E-09	0.2000000E-09	0.1950000E-09	0.6578234E-08	0.9587354E-18	0.6578233E-03	0.9587353E-13	0.9999991
0.2000000E-09	0.2100000E-09	0.2050000E-09	0.6911591E-08	0.1058978E-17	0.6911590E-03	0.1058977E-12	0.9999991
0.2100000E-09	0.2200000E-09	0.2150000E-09	0.7244947E-08	0.1164203E-17	0.7244947E-03	0.1164202E-12	0.9999991
0.2200000E-09	0.2300000E-09	0.2250000E-09	0.7578303E-08	0.1274410E-17	0.7578303E-03	0.1274410E-12	0.9999991
0.2300000E-09	0.2400000E-09	0.2350000E-09	0.7911649E-08	0.1389600E-17	0.7911660E-03	0.1389602E-12	0.9999991
0.2400000E-09	0.2550000E-09	0.2475000E-09	0.1249531E-07	0.2311411E-17	0.8330207E-03	0.1540940E-12	0.9999991
0.2550000E-09	0.2700000E-09	0.2625000E-09	0.1324536E-07	0.2598651E-17	0.8830241E-03	0.1732434E-12	0.9999991
0.2700000E-09	0.2800000E-09	0.2750000E-09	0.9245086E-08	0.1900196E-17	0.9245085E-03	0.1900196E-12	0.9999991
0.2800000E-09	0.3000000E-09	0.2900000E-09	0.1949024E-07	0.4224448E-17	0.9745118E-03	0.2112224E-12	0.9999991
0.3000000E-09	0.3200000E-09	0.3100000E-09	0.2081625E-07	0.4823020E-17	0.1040812E-02	0.2411510E-12	0.9999991
0.3200000E-09	0.3400000E-09	0.3300000E-09	0.2214227E-07	0.5461236E-17	0.1107114E-02	0.2730618E-12	0.9999991
0.3400000E-09	0.3600000E-09	0.3500000E-09	0.2346829E-07	0.6139095E-17	0.1173415E-02	0.3069547E-12	0.9999991
0.3600000E-09	0.3800000E-09	0.3700000E-09	0.2478689E-07	0.6854546E-17	0.1239345E-02	0.3427273E-12	0.9999991
0.3800000E-09	0.4000000E-09	0.3900000E-09	0.2610552E-07	0.7609424E-17	0.1305276E-02	0.3804712E-12	0.9999991
0.4000000E-09	0.4250000E-09	0.4125000E-09	0.3448387E-07	0.1063151E-16	0.1379355E-02	0.4252602E-12	0.9999991
0.4250000E-09	0.4500000E-09	0.4375000E-09	0.3653957E-07	0.1194803E-16	0.1461583E-02	0.4779212E-12	0.9999990
0.4500000E-09	0.4750000E-09	0.4625000E-09	0.3858598E-07	0.1333816E-16	0.1543441E-02	0.5335272E-12	0.9999990
0.4750000E-09	0.5000000E-09	0.4875000E-09	0.4063245E-07	0.1480480E-16	0.1625298E-02	0.5921918E-12	0.9999989
0.5000000E-09	0.5250000E-09	0.5125000E-09	0.4266963E-07	0.1634435E-16	0.1706785E-02	0.6537738E-12	0.9999989
0.5250000E-09	0.5500000E-09	0.5375000E-09	0.4470680E-07	0.1796002E-16	0.1788272E-02	0.7184008E-12	0.9999988
0.5500000E-09	0.5750000E-09	0.5625000E-09	0.4674397E-07	0.1965183E-16	0.1869759E-02	0.7860731E-12	0.9999987
0.5750000E-09	0.6000000E-09	0.5875000E-09	0.4877191E-07	0.2141571E-16	0.1950876E-02	0.8566281E-12	0.9999987
0.6000000E-09	0.6300000E-09	0.6150000E-09	0.6120424E-07	0.2813270E-16	0.2040141E-02	0.9377566E-12	0.9999986
0.6300000E-09	0.6600000E-09	0.6450000E-09	0.6411555E-07	0.3090850E-16	0.2137185E-02	0.1030283E-11	0.9999986
0.6600000E-09	0.6900000E-09	0.6750000E-09	0.6701574E-07	0.3380924E-16	0.2233858E-02	0.1126975E-11	0.9999985
0.6900000E-09	0.7200000E-09	0.7050000E-09	0.6990484E-07	0.3683420E-16	0.2330161E-02	0.1227806E-11	0.9999985
0.7200000E-09	0.7600000E-09	0.7400000E-09	0.9769565E-07	0.5403334E-16	0.2442391E-02	0.1350834E-11	0.9999984
0.7600000E-09	0.8000000E-09	0.7800000E-09	0.1028219E-06	0.5994255E-16	0.2570548E-02	0.1498564E-11	0.9999983
0.8000000E-09	0.8400000E-09	0.8200000E-09	0.1079186E-06	0.6614011E-16	0.2697964E-02	0.1653503E-11	0.9999982
0.8400000E-09	0.8800000E-09	0.8600000E-09	0.1130004E-06	0.7263290E-16	0.2825011E-02	0.1815822E-11	0.9999980
0.8800000E-09	0.9200000E-09	0.9000000E-09	0.1180675E-06	0.7941958E-16	0.2951686E-02	0.1985489E-11	0.9999979
0.9200000E-09	0.9600000E-09	0.9400000E-09	0.1231194E-06	0.8649866E-16	0.3077990E-02	0.2162469E-11	0.9999978
0.9600000E-09	0.1000000E-08	0.9800000E-09	0.1281570E-06	0.9386924E-16	0.3203925E-02	0.2346731E-11	0.9999977
0.1000000E-08	0.1050000E-08	0.1025000E-08	0.1672524E-06	0.1281300E-15	0.3345047E-02	0.2562601E-11	0.9999976
0.1050000E-08	0.1100000E-08	0.1075000E-08	0.1750676E-06	0.1406595E-15	0.3501353E-02	0.2813191E-11	0.9999974
0.1100000E-08	0.1150000E-08	0.1125000E-08	0.1828460E-06	0.1537421E-15	0.3656920E-02	0.3074842E-11	0.9999972
0.1150000E-08	0.1200000E-08	0.1175000E-08	0.1905687E-06	0.1673572E-15	0.3811375E-02	0.3347144E-11	0.9999970
0.1200000E-08	0.1275000E-08	0.1237500E-08	0.3002986E-06	0.2777495E-15	0.4003981E-02	0.3703326E-11	0.9999968
0.1275000E-08	0.1350000E-08	0.1312500E-08	0.3175219E-06	0.3114784E-15	0.4233626E-02	0.4153045E-11	0.9999965

0.1350000E-08	0.1425000E-08	0.1387500E-08	0.3347454E-06	0.3471383E-15	0.4463272E-02	0.4628510E-11	0.9999962
0.1425000E-08	0.1500000E-08	0.1462500E-08	0.3519688E-06	0.3847290E-15	0.4692918E-02	0.5129719E-11	0.9999959
0.1500000E-08	0.1600000E-08	0.1550000E-08	0.4955900E-06	0.5741285E-15	0.4955899E-02	0.5741284E-11	0.9999955
0.1600000E-08	0.1700000E-08	0.1650000E-08	0.5252216E-06	0.6477112E-15	0.5252216E-02	0.6477111E-11	0.9999951
0.1700000E-08	0.1800000E-08	0.1750000E-08	0.5548533E-06	0.7257234E-15	0.5548533E-02	0.7257233E-11	0.9999945
0.1800000E-08	0.1900000E-08	0.1850000E-08	0.5844843E-06	0.8081638E-15	0.5844849E-02	0.8081646E-11	0.9999940
0.1900000E-08	0.2000000E-08	0.1950000E-08	0.6133760E-06	0.8939560E-15	0.6133759E-02	0.8939560E-11	0.9999934
0.2000000E-08	0.2100000E-08	0.2050000E-08	0.6422667E-06	0.9840657E-15	0.6422667E-02	0.9840656E-11	0.9999928
0.2100000E-08	0.2200000E-08	0.2150000E-08	0.6711577E-06	0.1078494E-14	0.6711576E-02	0.1078494E-10	0.9999921
0.2200000E-08	0.2300000E-08	0.2250000E-08	0.6996782E-06	0.1176619E-14	0.6996781E-02	0.1176618E-10	0.9999915
0.2300000E-08	0.2400000E-08	0.2350000E-08	0.7278282E-06	0.1278355E-14	0.7278281E-02	0.1278355E-10	0.9999908
0.2400000E-08	0.2500000E-08	0.2475000E-08	0.1143968E-05	0.2116138E-14	0.7626455E-02	0.1410759E-10	0.9999900
0.2500000E-08	0.2700000E-08	0.2625000E-08	0.1206195E-05	0.2366473E-14	0.8041298E-02	0.1577649E-10	0.9999889
0.2700000E-08	0.2800000E-08	0.2750000E-08	0.8382063E-06	0.1722814E-14	0.8382062E-02	0.1722814E-10	0.9999877
0.2800000E-08	0.3000000E-08	0.2900000E-08	0.1757159E-05	0.3808586E-14	0.8785793E-02	0.1904293E-10	0.9999869
0.3000000E-08	0.3200000E-08	0.3100000E-08	0.1863833E-05	0.4318406E-14	0.9319164E-02	0.2159203E-10	0.9999852
0.3200000E-08	0.3400000E-08	0.3300000E-08	0.1968285E-05	0.4854636E-14	0.9841423E-02	0.2427318E-10	0.9999833
0.3400000E-08	0.3600000E-08	0.3500000E-08	0.2071255E-05	0.5418218E-14	0.1035627E-01	0.2709109E-10	0.9999813
0.3600000E-08	0.3800000E-08	0.3700000E-08	0.2172001E-05	0.6006431E-14	0.1086002E-01	0.3003219E-10	0.9999793
0.3800000E-08	0.4000000E-08	0.3900000E-08	0.2271269E-05	0.6620459E-14	0.1135635E-01	0.3310229E-10	0.9999771
0.4000000E-08	0.4250000E-08	0.4125000E-08	0.2976132E-05	0.9175525E-14	0.1190453E-01	0.3670210E-10	0.9999748
0.4250000E-08	0.4500000E-08	0.4375000E-08	0.3126142E-05	0.1022213E-13	0.1250457E-01	0.4088854E-10	0.9999719
0.4500000E-08	0.4750000E-08	0.4625000E-08	0.3271524E-05	0.1130881E-13	0.1308610E-01	0.4523522E-10	0.9999688
0.4750000E-08	0.5000000E-08	0.4875000E-08	0.3415052E-05	0.1244305E-13	0.1366021E-01	0.4977219E-10	0.9999655
0.5000000E-08	0.5250000E-08	0.5125000E-08	0.3554877E-05	0.1361674E-13	0.1421951E-01	0.5446697E-10	0.9999621
0.5250000E-08	0.5500000E-08	0.5375000E-08	0.3690997E-05	0.1482781E-13	0.1476399E-01	0.5931124E-10	0.9999585
0.5500000E-08	0.5750000E-08	0.5625000E-08	0.3825264E-05	0.1608195E-13	0.1530106E-01	0.6432781E-10	0.9999548
0.5750000E-08	0.6000000E-08	0.5875000E-08	0.3955829E-05	0.1737002E-13	0.1582332E-01	0.6948007E-10	0.9999510
0.6000000E-08	0.6300000E-08	0.6150000E-08	0.4914786E-05	0.2259095E-13	0.1638262E-01	0.7530317E-10	0.9999471
0.6300000E-08	0.6600000E-08	0.6450000E-08	0.5093687E-05	0.2455539E-13	0.1697896E-01	0.8185130E-10	0.9999422
0.6600000E-08	0.6900000E-08	0.6750000E-08	0.5268144E-05	0.2657763E-13	0.1756048E-01	0.8859211E-10	0.9999371
0.6900000E-08	0.7200000E-08	0.7050000E-08	0.5437044E-05	0.2864883E-13	0.1812348E-01	0.9549609E-10	0.9999319
0.7200000E-08	0.7600000E-08	0.7400000E-08	0.7504216E-05	0.4150418E-13	0.1876056E-01	0.1037606E-09	0.9999264
0.7600000E-08	0.8000000E-08	0.7800000E-08	0.7785724E-05	0.4538877E-13	0.1946431E-01	0.1134719E-09	0.9999189
0.8000000E-08	0.8400000E-08	0.8200000E-08	0.8055373E-05	0.4936900E-13	0.2013843E-01	0.1234225E-09	0.9999111
0.8400000E-08	0.8800000E-08	0.8600000E-08	0.8316133E-05	0.5345333E-13	0.2079033E-01	0.1336333E-09	0.9999031
0.8800000E-08	0.9200000E-08	0.9000000E-08	0.8566520E-05	0.5762378E-13	0.2141630E-01	0.1440594E-09	0.9998947
0.9200000E-08	0.9600000E-08	0.9400000E-08	0.8806537E-05	0.6187111E-13	0.2201634E-01	0.1546778E-09	0.9998862
0.9600000E-08	0.1000000E-07	0.9800000E-08	0.9036181E-05	0.6618596E-13	0.2259045E-01	0.1654649E-09	0.9998773

0.1000000E-07	0.1050000E-07	0.1025000E-07	0.1160451E-04	0.8890077E-13	0.2320902E-01	0.1778015E-09	0.9998683
0.1050000E-07	0.1100000E-07	0.1075000E-07	0.1193231E-04	0.9587111E-13	0.2386461E-01	0.1917422E-09	0.9998567
0.1100000E-07	0.1150000E-07	0.1125000E-07	0.1224344E-04	0.1029463E-12	0.2448688E-01	0.2058926E-09	0.9998447
0.1150000E-07	0.1200000E-07	0.1175000E-07	0.1253605E-04	0.1100914E-12	0.2507210E-01	0.2201828E-09	0.9998325
0.1200000E-07	0.1275000E-07	0.1237500E-07	0.1931522E-04	0.1786487E-12	0.2575363E-01	0.2381982E-09	0.9998200
0.1275000E-07	0.1350000E-07	0.1312500E-07	0.1988749E-04	0.1950896E-12	0.2651665E-01	0.2601195E-09	0.9998007
0.1350000E-07	0.1425000E-07	0.1387500E-07	0.2040697E-04	0.2116247E-12	0.2720929E-01	0.2821663E-09	0.9997808
0.1425000E-07	0.1500000E-07	0.1462500E-07	0.2088198E-04	0.2282561E-12	0.2784267E-01	0.3043418E-09	0.9997604
0.1500000E-07	0.1600000E-07	0.1550000E-07	0.2849828E-04	0.3301453E-12	0.2849827E-01	0.3301453E-09	0.9997395
0.1600000E-07	0.1700000E-07	0.1650000E-07	0.2915758E-04	0.3595756E-12	0.2915757E-01	0.3595755E-09	0.9997110
0.1700000E-07	0.1800000E-07	0.1750000E-07	0.2972429E-04	0.3887803E-12	0.2972428E-01	0.3887803E-09	0.9996819
0.1800000E-07	0.1900000E-07	0.1850000E-07	0.3020209E-04	0.4176030E-12	0.3020209E-01	0.4176030E-09	0.9996521
0.1900000E-07	0.2000000E-07	0.1950000E-07	0.3059471E-04	0.4458983E-12	0.3059471E-01	0.4458983E-09	0.9996219
0.2000000E-07	0.2100000E-07	0.2050000E-07	0.3091696E-04	0.4737022E-12	0.3091695E-01	0.4737022E-09	0.9995914
0.2100000E-07	0.2200000E-07	0.2150000E-07	0.3116513E-04	0.5007975E-12	0.3116512E-01	0.5007975E-09	0.9995604
0.2200000E-07	0.2300000E-07	0.2250000E-07	0.3134662E-04	0.5271425E-12	0.3134661E-01	0.5271424E-09	0.9995292
0.2300000E-07	0.2400000E-07	0.2350000E-07	0.3146515E-04	0.5526530E-12	0.3146515E-01	0.5526530E-09	0.9994979
0.2400000E-07	0.2550000E-07	0.2475000E-07	0.4729216E-04	0.8748210E-12	0.3152810E-01	0.5832140E-09	0.9994664
0.2550000E-07	0.2700000E-07	0.2625000E-07	0.4726438E-04	0.9272953E-12	0.3150959E-01	0.6181968E-09	0.9994192
0.2700000E-07	0.2800000E-07	0.2750000E-07	0.3142440E-04	0.6458840E-12	0.3142440E-01	0.6458840E-09	0.9993719
0.2800000E-07	0.3000000E-07	0.2900000E-07	0.6241908E-04	0.1352914E-11	0.3120956E-01	0.6764576E-09	0.9993405
0.3000000E-07	0.3200000E-07	0.3100000E-07	0.6164131E-04	0.1428198E-11	0.3082065E-01	0.7140988E-09	0.9992781
0.3200000E-07	0.3400000E-07	0.3300000E-07	0.6062644E-04	0.1495309E-11	0.3031321E-01	0.7476542E-09	0.9992164
0.3400000E-07	0.3600000E-07	0.3500000E-07	0.5940413E-04	0.1553959E-11	0.2970206E-01	0.7769794E-09	0.9991558
0.3600000E-07	0.3800000E-07	0.3700000E-07	0.5801884E-04	0.1604448E-11	0.2900942E-01	0.8022238E-09	0.9990964
0.3800000E-07	0.4000000E-07	0.3900000E-07	0.5650021E-04	0.1646909E-11	0.2825010E-01	0.8234543E-09	0.9990384
0.4000000E-07	0.4250000E-07	0.4125000E-07	0.6831960E-04	0.2106319E-11	0.2732782E-01	0.8425270E-09	0.9989819
0.4250000E-07	0.4500000E-07	0.4375000E-07	0.6563414E-04	0.2146163E-11	0.2625367E-01	0.8584657E-09	0.9989136
0.4500000E-07	0.4750000E-07	0.4625000E-07	0.6284691E-04	0.2172454E-11	0.2513878E-01	0.8689820E-09	0.9988480
0.4750000E-07	0.5000000E-07	0.4875000E-07	0.6001348E-04	0.2186645E-11	0.2400537E-01	0.8746573E-09	0.9987851
0.5000000E-07	0.5250000E-07	0.5125000E-07	0.5723542E-04	0.2192368E-11	0.2289418E-01	0.8769480E-09	0.9987251
0.5250000E-07	0.5500000E-07	0.5375000E-07	0.5453160E-04	0.2190693E-11	0.2181262E-01	0.8762766E-09	0.9986679
0.5500000E-07	0.5750000E-07	0.5625000E-07	0.5211469E-04	0.2190976E-11	0.2084589E-01	0.8763909E-09	0.9986134
0.5750000E-07	0.6000000E-07	0.5875000E-07	0.4989232E-04	0.2190768E-11	0.1995694E-01	0.8763077E-09	0.9985613
0.6000000E-07	0.6300000E-07	0.6150000E-07	0.5720404E-04	0.2629400E-11	0.1906799E-01	0.8764655E-09	0.9985114
0.6300000E-07	0.6600000E-07	0.6450000E-07	0.5454816E-04	0.2629630E-11	0.1818274E-01	0.8765443E-09	0.9984542
0.6600000E-07	0.6900000E-07	0.6750000E-07	0.5212590E-04	0.2629736E-11	0.1737528E-01	0.8765776E-09	0.9983996
0.6900000E-07	0.7200000E-07	0.7050000E-07	0.4991451E-04	0.2630091E-11	0.1663819E-01	0.8766979E-09	0.9983475
0.7200000E-07	0.7600000E-07	0.7400000E-07	0.6341179E-04	0.3507168E-11	0.1585295E-01	0.8767920E-09	0.9982976

0.7600000E-07	0.8000000E-07	0.7800000E-07	0.6015231E-04	0.3506726E-11	0.1503808E-01	0.8766813E-09	0.9982342
0.8000000E-07	0.8400000E-07	0.8200000E-07	0.5721879E-04	0.3506771E-11	0.1430470E-01	0.8766926E-09	0.9981740
0.8400000E-07	0.8800000E-07	0.8600000E-07	0.5456675E-04	0.3507368E-11	0.1364169E-01	0.8768420E-09	0.9981168
0.8800000E-07	0.9200000E-07	0.9000000E-07	0.5213695E-04	0.3507058E-11	0.1303424E-01	0.8767644E-09	0.9980623
0.9200000E-07	0.9600000E-07	0.9400000E-07	0.4991455E-04	0.3506791E-11	0.1247864E-01	0.8766976E-09	0.9980101
0.9600000E-07	0.1000000E-06	0.9800000E-07	0.4788483E-04	0.3507348E-11	0.1197121E-01	0.8768369E-09	0.9979602
0.1000000E-06	0.1050000E-06	0.1025000E-06	0.5722614E-04	0.4384027E-11	0.1144524E-01	0.8768059E-09	0.9979123
0.1050000E-06	0.1100000E-06	0.1075000E-06	0.5455936E-04	0.4383617E-11	0.1091186E-01	0.8767227E-09	0.9978551
0.1100000E-06	0.1150000E-06	0.1125000E-06	0.5213319E-04	0.4383507E-11	0.1042665E-01	0.8767019E-09	0.9978006
0.1150000E-06	0.1200000E-06	0.1175000E-06	0.4991083E-04	0.4383162E-11	0.9982172E-02	0.8766329E-09	0.9977484
0.1200000E-06	0.1275000E-06	0.1237500E-06	0.7111610E-04	0.6577608E-11	0.9482139E-02	0.8770137E-09	0.9976985
0.1275000E-06	0.1350000E-06	0.1312500E-06	0.6703235E-04	0.6575649E-11	0.8937656E-02	0.8767542E-09	0.9976274
0.1350000E-06	0.1425000E-06	0.1387500E-06	0.6339332E-04	0.6574025E-11	0.8452437E-02	0.8765360E-09	0.9975604
0.1425000E-06	0.1500000E-06	0.1462500E-06	0.6014310E-04	0.6574104E-11	0.8019073E-02	0.8765465E-09	0.9974970
0.1500000E-06	0.1600000E-06	0.1550000E-06	0.7567186E-04	0.8766393E-11	0.7567191E-02	0.8766399E-09	0.9974368
0.1600000E-06	0.1700000E-06	0.1650000E-06	0.7107906E-04	0.8765576E-11	0.7107900E-02	0.8765569E-09	0.9973611
0.1700000E-06	0.1800000E-06	0.1750000E-06	0.6700460E-04	0.8763901E-11	0.6700465E-02	0.8763907E-09	0.9972900
0.1800000E-06	0.1900000E-06	0.1850000E-06	0.6337473E-04	0.8762795E-11	0.6337476E-02	0.8762800E-09	0.9972230
0.1900000E-06	0.2000000E-06	0.1950000E-06	0.6011532E-04	0.8761421E-11	0.6011527E-02	0.8761414E-09	0.9971597
0.2000000E-06	0.2100000E-06	0.2050000E-06	0.5718911E-04	0.8762379E-11	0.5718914E-02	0.8762385E-09	0.9970995
0.2100000E-06	0.2200000E-06	0.2150000E-06	0.5452234E-04	0.8761284E-11	0.5452230E-02	0.8761277E-09	0.9970424
0.2200000E-06	0.2300000E-06	0.2250000E-06	0.5207765E-04	0.8757674E-11	0.5207769E-02	0.8757680E-09	0.9969878
0.2300000E-06	0.2400000E-06	0.2350000E-06	0.4981824E-04	0.8750060E-11	0.4981827E-02	0.8750066E-09	0.9969357
0.2400000E-06	0.2550000E-06	0.2475000E-06	0.7083829E-04	0.1310383E-10	0.4722549E-02	0.8735878E-09	0.9968859
0.2550000E-06	0.2700000E-06	0.2625000E-06	0.6644896E-04	0.1303684E-10	0.4429935E-02	0.8691237E-09	0.9968151
0.2700000E-06	0.2800000E-06	0.2750000E-06	0.4181775E-04	0.8595046E-11	0.4181772E-02	0.8595039E-09	0.9967486
0.2800000E-06	0.3000000E-06	0.2900000E-06	0.7815361E-04	0.1693955E-10	0.3907678E-02	0.8469769E-09	0.9967068
0.3000000E-06	0.3200000E-06	0.3100000E-06	0.7129379E-04	0.1651841E-10	0.3564692E-02	0.8259210E-09	0.9966286
0.3200000E-06	0.3400000E-06	0.3300000E-06	0.6489344E-04	0.1600551E-10	0.3244669E-02	0.8002750E-09	0.9965574
0.3400000E-06	0.3600000E-06	0.3500000E-06	0.5927073E-04	0.1550469E-10	0.2963538E-02	0.7752351E-09	0.9964924
0.3600000E-06	0.3800000E-06	0.3700000E-06	0.5443337E-04	0.1505296E-10	0.2721670E-02	0.7526482E-09	0.9964332
0.3800000E-06	0.4000000E-06	0.3900000E-06	0.5031462E-04	0.1466607E-10	0.2515729E-02	0.7333028E-09	0.9963788
0.4000000E-06	0.4250000E-06	0.4125000E-06	0.5801325E-04	0.1788570E-10	0.2320531E-02	0.7154284E-09	0.9963285
0.4250000E-06	0.4500000E-06	0.4375000E-06	0.5339256E-04	0.1745877E-10	0.2135703E-02	0.6983509E-09	0.9962705
0.4500000E-06	0.4750000E-06	0.4625000E-06	0.4942013E-04	0.1708325E-10	0.1976804E-02	0.6833294E-09	0.9962171
0.4750000E-06	0.5000000E-06	0.4875000E-06	0.4592908E-04	0.1673467E-10	0.1837164E-02	0.6693871E-09	0.9961677
0.5000000E-06	0.5250000E-06	0.5125000E-06	0.4305858E-04	0.1649333E-10	0.1722342E-02	0.6597328E-09	0.9961217
0.5250000E-06	0.5500000E-06	0.5375000E-06	0.4069721E-04	0.1634925E-10	0.1627891E-02	0.6539711E-09	0.9960787
0.5500000E-06	0.5750000E-06	0.5625000E-06	0.3857677E-04	0.1621822E-10	0.1543070E-02	0.6487284E-09	0.9960380

0.5750000E-06	0.6000000E-06	0.5875000E-06	0.3665997E-04	0.1609737E-10	0.1466398E-02	0.6438942E-09	0.9959994
0.6000000E-06	0.6300000E-06	0.6150000E-06	0.4172505E-04	0.1917904E-10	0.1390837E-02	0.6393020E-09	0.9959627
0.6300000E-06	0.6600000E-06	0.6450000E-06	0.3950276E-04	0.1904329E-10	0.1316758E-02	0.6347758E-09	0.9959210
0.6600000E-06	0.6900000E-06	0.6750000E-06	0.3749146E-04	0.1891433E-10	0.1249717E-02	0.6304784E-09	0.9958815
0.6900000E-06	0.7200000E-06	0.7050000E-06	0.3573584E-04	0.1882989E-10	0.1191194E-02	0.6276626E-09	0.9958440
0.7200000E-06	0.7600000E-06	0.7400000E-06	0.4538088E-04	0.2509917E-10	0.1134523E-02	0.6274797E-09	0.9958082
0.7600000E-06	0.8000000E-06	0.7800000E-06	0.4309929E-04	0.2512578E-10	0.1077482E-02	0.6281440E-09	0.9957629
0.8000000E-06	0.8400000E-06	0.8200000E-06	0.4103987E-04	0.2515212E-10	0.1025997E-02	0.6288035E-09	0.9957198
0.8400000E-06	0.8800000E-06	0.8600000E-06	0.3915830E-04	0.2516964E-10	0.9789567E-03	0.6292406E-09	0.9956787
0.8800000E-06	0.9200000E-06	0.9000000E-06	0.3745442E-04	0.2519419E-10	0.9363611E-03	0.6298553E-09	0.9956396
0.9200000E-06	0.9600000E-06	0.9399999E-06	0.3589876E-04	0.2522099E-10	0.8974696E-03	0.6305252E-09	0.9956021
0.9600000E-06	0.1000000E-05	0.9800000E-06	0.3447648E-04	0.2525247E-10	0.8619115E-03	0.6313113E-09	0.9955662
0.1000000E-05	0.1050000E-05	0.1025000E-05	0.4126215E-04	0.3161045E-10	0.8252424E-03	0.6322084E-09	0.9955318
0.1050000E-05	0.1100000E-05	0.1075000E-05	0.3942860E-04	0.3167923E-10	0.7885732E-03	0.6335856E-09	0.9954906
0.1100000E-05	0.1150000E-05	0.1125000E-05	0.3774338E-04	0.3173570E-10	0.7548670E-03	0.6347136E-09	0.9954511
0.1150000E-05	0.1200000E-05	0.1175000E-05	0.3620624E-04	0.3179627E-10	0.7241242E-03	0.6359249E-09	0.9954134
0.1200000E-05	0.1275000E-05	0.1237500E-05	0.5169804E-04	0.4781610E-10	0.6893072E-03	0.6375480E-09	0.9953772
0.1275000E-05	0.1350000E-05	0.1312500E-05	0.4889227E-04	0.4796167E-10	0.6518969E-03	0.6394889E-09	0.9953255
0.1350000E-05	0.1425000E-05	0.1387500E-05	0.4636432E-04	0.4808081E-10	0.6181909E-03	0.6410774E-09	0.9952766
0.1425000E-05	0.1500000E-05	0.1462500E-05	0.4408638E-04	0.4818981E-10	0.5878184E-03	0.6425308E-09	0.9952303
0.1500000E-05	0.1600000E-05	0.1550000E-05	0.5563347E-04	0.6444997E-10	0.5563349E-03	0.6444999E-09	0.9951862
0.1600000E-05	0.1700000E-05	0.1650000E-05	0.5241101E-04	0.6463404E-10	0.5241102E-03	0.6463406E-09	0.9951305
0.1700000E-05	0.1800000E-05	0.1750000E-05	0.4955896E-04	0.6482090E-10	0.4955898E-03	0.6482092E-09	0.9950781
0.1800000E-05	0.1900000E-05	0.1850000E-05	0.4700329E-04	0.6499124E-10	0.4700325E-03	0.6499119E-09	0.9950286
0.1900000E-05	0.2000000E-05	0.1950000E-05	0.4470679E-04	0.6515728E-10	0.4470680E-03	0.6515730E-09	0.9949816
0.2000000E-05	0.2100000E-05	0.2050000E-05	0.4255853E-04	0.6520718E-10	0.4255850E-03	0.6520713E-09	0.9949369
0.2100000E-05	0.2200000E-05	0.2150000E-05	0.4052126E-04	0.6511428E-10	0.4052132E-03	0.6511438E-09	0.9948943
0.2200000E-05	0.2300000E-05	0.2250000E-05	0.3866938E-04	0.6502862E-10	0.3866935E-03	0.6502857E-09	0.9948538
0.2300000E-05	0.2400000E-05	0.2350000E-05	0.3698037E-04	0.6495221E-10	0.3698034E-03	0.6495216E-09	0.9948151
0.2400000E-05	0.2550000E-05	0.2475000E-05	0.5260920E-04	0.9731768E-10	0.3507280E-03	0.6487845E-09	0.9947782
0.2550000E-05	0.2700000E-05	0.2625000E-05	0.4952566E-04	0.9716603E-10	0.3301711E-03	0.6477735E-09	0.9947255
0.2700000E-05	0.2800000E-05	0.2750000E-05	0.3147621E-04	0.6469488E-10	0.3147626E-03	0.6469498E-09	0.9946760
0.2800000E-05	0.3000000E-05	0.2900000E-05	0.5963380E-04	0.1292544E-09	0.2981688E-03	0.6462715E-09	0.9946445
0.3000000E-05	0.3200000E-05	0.3100000E-05	0.5577421E-04	0.1292260E-09	0.2788712E-03	0.6461303E-09	0.9945849
0.3200000E-05	0.3400000E-05	0.3300000E-05	0.5244065E-04	0.1293412E-09	0.2622033E-03	0.6467061E-09	0.9945291
0.3400000E-05	0.3600000E-05	0.3500000E-05	0.4952192E-04	0.1295449E-09	0.2476097E-03	0.6477248E-09	0.9944767
0.3600000E-05	0.3800000E-05	0.3700000E-05	0.4692922E-04	0.1297777E-09	0.2346459E-03	0.6488878E-09	0.9944271
0.3800000E-05	0.4000000E-05	0.3900000E-05	0.4463271E-04	0.1300986E-09	0.2231636E-03	0.6504934E-09	0.9943802
0.4000000E-05	0.4250000E-05	0.4125000E-05	0.5293887E-04	0.1632125E-09	0.2117554E-03	0.6528498E-09	0.9943356

0.4250000E-05	0.4500000E-05	0.4375000E-05	0.5007756E-04	0.1637480E-09	0.2003102E-03	0.6549919E-09	0.9942827
0.4500000E-05	0.4750000E-05	0.4625000E-05	0.4741062E-04	0.1638861E-09	0.1896428E-03	0.6555456E-09	0.9942326
0.4750000E-05	0.5000000E-05	0.4875000E-05	0.4499386E-04	0.1639392E-09	0.1799754E-03	0.6557564E-09	0.9941852
0.5000000E-05	0.5250000E-05	0.5125000E-05	0.4268816E-04	0.1635145E-09	0.1707526E-03	0.6540576E-09	0.9941402
0.5250000E-05	0.5500000E-05	0.5375000E-05	0.4046578E-04	0.1625628E-09	0.1618631E-03	0.6502511E-09	0.9940975
0.5500000E-05	0.5750000E-05	0.5625000E-05	0.3839155E-04	0.1614035E-09	0.1535662E-03	0.6456140E-09	0.9940571
0.5750000E-05	0.6000000E-05	0.5875000E-05	0.3642845E-04	0.1599571E-09	0.1457138E-03	0.6398281E-09	0.9940187
0.6000000E-05	0.6300000E-05	0.6150000E-05	0.4142510E-04	0.1904117E-09	0.1380837E-03	0.6347055E-09	0.9939823
0.6300000E-05	0.6600000E-05	0.6450000E-05	0.3920267E-04	0.1889862E-09	0.1306758E-03	0.6299551E-09	0.9939408
0.6600000E-05	0.6900000E-05	0.6750000E-05	0.3720257E-04	0.1876858E-09	0.1240086E-03	0.6256194E-09	0.9939016
0.6900000E-05	0.7200000E-05	0.7050000E-05	0.3556913E-04	0.1874205E-09	0.1185638E-03	0.6247351E-09	0.9938644
0.7200000E-05	0.7600000E-05	0.7400000E-05	0.4554394E-04	0.2518936E-09	0.1138598E-03	0.6297335E-09	0.9938288
0.7600000E-05	0.8000000E-05	0.7800000E-05	0.4369189E-04	0.2547125E-09	0.1092298E-03	0.6367815E-09	0.9937833
0.8000000E-05	0.8400000E-05	0.8200001E-05	0.4201777E-04	0.2575146E-09	0.1050444E-03	0.6437859E-09	0.9937396
0.8400000E-05	0.8800000E-05	0.8600000E-05	0.4047680E-04	0.2601713E-09	0.1011921E-03	0.6504292E-09	0.9936976
0.8800000E-05	0.9200000E-05	0.8999999E-05	0.3905458E-04	0.2627056E-09	0.9763638E-04	0.6567635E-09	0.9936571
0.9200000E-05	0.9600000E-05	0.9400001E-05	0.3775079E-04	0.2652215E-09	0.9437690E-04	0.6630533E-09	0.9936181
0.9600000E-05	0.1000000E-04	0.9800000E-05	0.3653581E-04	0.2676083E-09	0.9133965E-04	0.6690218E-09	0.9935803
0.1000000E-04	0.1050000E-04	0.1025000E-04	0.4385490E-04	0.3359672E-09	0.8770978E-04	0.6719342E-09	0.9935438
0.1050000E-04	0.1100000E-04	0.1075000E-04	0.4176217E-04	0.3355416E-09	0.8352430E-04	0.6710829E-09	0.9934999
0.1100000E-04	0.1150000E-04	0.1125000E-04	0.3987314E-04	0.3352647E-09	0.7974626E-04	0.6705291E-09	0.9934582
0.1150000E-04	0.1200000E-04	0.1175000E-04	0.3813228E-04	0.3348772E-09	0.7626454E-04	0.6697540E-09	0.9934183
0.1200000E-04	0.1275000E-04	0.1237500E-04	0.5425371E-04	0.5017987E-09	0.7233835E-04	0.6690655E-09	0.9933801
0.1275000E-04	0.1350000E-04	0.1312500E-04	0.5108689E-04	0.5011453E-09	0.6811583E-04	0.6681935E-09	0.9933259
0.1350000E-04	0.1425000E-04	0.1387500E-04	0.4828114E-04	0.5006859E-09	0.6437483E-04	0.6675809E-09	0.9932748
0.1425000E-04	0.1500000E-04	0.1462500E-04	0.4575312E-04	0.5001168E-09	0.6100422E-04	0.6668230E-09	0.9932265
0.1500000E-04	0.1600000E-04	0.1550000E-04	0.5748548E-04	0.6659547E-09	0.5748546E-04	0.6659545E-09	0.9931808
0.1600000E-04	0.1700000E-04	0.1650000E-04	0.5392967E-04	0.6650688E-09	0.5392966E-04	0.6650686E-09	0.9931233
0.1700000E-04	0.1800000E-04	0.1750000E-04	0.5078131E-04	0.6641968E-09	0.5078129E-04	0.6641966E-09	0.9930694
0.1800000E-04	0.1900000E-04	0.1850000E-04	0.4796622E-04	0.6632268E-09	0.4796629E-04	0.6632278E-09	0.9930186
0.1900000E-04	0.2000000E-04	0.1950000E-04	0.4544761E-04	0.6623697E-09	0.4544759E-04	0.6623694E-09	0.9929706
0.2000000E-04	0.2100000E-04	0.2050000E-04	0.4311412E-04	0.6605842E-09	0.4311410E-04	0.6605840E-09	0.9929252
0.2100000E-04	0.2200000E-04	0.2150000E-04	0.4092877E-04	0.6576912E-09	0.4092876E-04	0.6576910E-09	0.9928821
0.2200000E-04	0.2300000E-04	0.2250000E-04	0.3892863E-04	0.6546460E-09	0.3892862E-04	0.6546458E-09	0.9928411
0.2300000E-04	0.2400000E-04	0.2350000E-04	0.3711370E-04	0.6518640E-09	0.3711369E-04	0.6518638E-09	0.9928022
0.2400000E-04	0.2550000E-04	0.2475000E-04	0.5268137E-04	0.9745119E-09	0.3512095E-04	0.6496752E-09	0.9927651
0.2550000E-04	0.2700000E-04	0.2625000E-04	0.4939233E-04	0.9690443E-09	0.3292821E-04	0.6460293E-09	0.9927124
0.2700000E-04	0.2800000E-04	0.2750000E-04	0.3128366E-04	0.6429912E-09	0.3128365E-04	0.6429910E-09	0.9926630
0.2800000E-04	0.3000000E-04	0.2900000E-04	0.5904109E-04	0.1279697E-08	0.2952056E-04	0.6398490E-09	0.9926317

0.3000000E-04	0.3200000E-04	0.3100000E-04	0.5504828E-04	0.1275441E-08	0.2752413E-04	0.6377202E-09	0.9925726
0.3200000E-04	0.3400000E-04	0.3300000E-04	0.5166286E-04	0.1274228E-08	0.2583142E-04	0.6371140E-09	0.9925175
0.3400000E-04	0.3600000E-04	0.3500000E-04	0.4869228E-04	0.1273746E-08	0.2434613E-04	0.6368730E-09	0.9924659
0.3600000E-04	0.3800000E-04	0.3700000E-04	0.4604016E-04	0.1273190E-08	0.2302011E-04	0.6365961E-09	0.9924172
0.3800000E-04	0.4000000E-04	0.3900000E-04	0.4365490E-04	0.1272484E-08	0.2182744E-04	0.6362419E-09	0.9923711
0.4000000E-04	0.4250000E-04	0.4125000E-04	0.5157767E-04	0.1590159E-08	0.2063106E-04	0.6360634E-09	0.9923275
0.4250000E-04	0.4500000E-04	0.4375000E-04	0.4860524E-04	0.1589337E-08	0.1944209E-04	0.6357345E-09	0.9922760
0.4500000E-04	0.4750000E-04	0.4625000E-04	0.4594764E-04	0.1588290E-08	0.1837905E-04	0.6353158E-09	0.9922274
0.4750000E-04	0.5000000E-04	0.4875000E-04	0.4356780E-04	0.1587432E-08	0.1742714E-04	0.6349735E-09	0.9921814
0.5000000E-04	0.5250000E-04	0.5125000E-04	0.4152141E-04	0.1590453E-08	0.1660856E-04	0.6361809E-09	0.9921378
0.5250000E-04	0.5500000E-04	0.5375000E-04	0.4004908E-04	0.1608888E-08	0.1601963E-04	0.6435550E-09	0.9920963
0.5500000E-04	0.5750000E-04	0.5625000E-04	0.3906753E-04	0.1642454E-08	0.1562701E-04	0.6569815E-09	0.9920563
0.5750000E-04	0.6000000E-04	0.5875000E-04	0.3757662E-04	0.1649987E-08	0.1503067E-04	0.6599955E-09	0.9920172
0.6000000E-04	0.6300000E-04	0.6150000E-04	0.4329190E-04	0.1989924E-08	0.1443063E-04	0.6633079E-09	0.9919797
0.6300000E-04	0.6600000E-04	0.6450000E-04	0.4148067E-04	0.1999679E-08	0.1382689E-04	0.6665595E-09	0.9919364
0.6600000E-04	0.6900000E-04	0.6750000E-04	0.3971388E-04	0.2003554E-08	0.1323796E-04	0.6678510E-09	0.9918949
0.6900000E-04	0.7200000E-04	0.7050000E-04	0.3728037E-04	0.1964374E-08	0.1242679E-04	0.6547911E-09	0.9918552
0.7200000E-04	0.7600000E-04	0.7400000E-04	0.4723283E-04	0.2612345E-08	0.1180822E-04	0.6530871E-09	0.9918180
0.7600000E-04	0.8000000E-04	0.7800000E-04	0.4465496E-04	0.2603269E-08	0.1116374E-04	0.6508171E-09	0.9917707
0.8000000E-04	0.8400000E-04	0.8200000E-04	0.4237332E-04	0.2596936E-08	0.1059333E-04	0.6492337E-09	0.9917261
0.8400000E-04	0.8800000E-04	0.8600000E-04	0.4021019E-04	0.2584577E-08	0.1005255E-04	0.6461440E-09	0.9916837
0.8800000E-04	0.9200000E-04	0.9000000E-04	0.3782486E-04	0.2544433E-08	0.9456212E-05	0.6360841E-09	0.9916435
0.9200000E-04	0.9600000E-04	0.9400000E-04	0.3594325E-04	0.2525224E-08	0.8985809E-05	0.6313059E-09	0.9916056
0.9600000E-04	0.1000000E-03	0.9800000E-04	0.3435788E-04	0.2516560E-08	0.8589483E-05	0.6291410E-09	0.9915697
0.1000000E-03	0.1050000E-03	0.1025000E-03	0.4079914E-04	0.3125573E-08	0.8159825E-05	0.6251144E-09	0.9915354
0.1050000E-03	0.1100000E-03	0.1075000E-03	0.3872492E-04	0.3111385E-08	0.7744980E-05	0.6222768E-09	0.9914946
0.1100000E-03	0.1150000E-03	0.1125000E-03	0.3666922E-04	0.3083252E-08	0.7333842E-05	0.6166502E-09	0.9914559
0.1150000E-03	0.1200000E-03	0.1175000E-03	0.3494682E-04	0.3069025E-08	0.6989373E-05	0.6138057E-09	0.9914192
0.1200000E-03	0.1275000E-03	0.1237500E-03	0.5003123E-04	0.4627445E-08	0.6670832E-05	0.6169928E-09	0.9913843
0.1275000E-03	0.1350000E-03	0.1312500E-03	0.4747551E-04	0.4657188E-08	0.6330069E-05	0.6209585E-09	0.9913343
0.1350000E-03	0.1425000E-03	0.1387500E-03	0.4519757E-04	0.4687086E-08	0.6026344E-05	0.6249449E-09	0.9912868
0.1425000E-03	0.1500000E-03	0.1462500E-03	0.4316973E-04	0.4718784E-08	0.5755954E-05	0.6291701E-09	0.9912416
0.1500000E-03	0.1600000E-03	0.1550000E-03	0.5526302E-04	0.6402081E-08	0.5526309E-05	0.6402088E-09	0.9911984
0.1600000E-03	0.1700000E-03	0.1650000E-03	0.5370743E-04	0.6623281E-08	0.5370741E-05	0.6623279E-09	0.9911432
0.1700000E-03	0.1800000E-03	0.1750000E-03	0.5215178E-04	0.6821220E-08	0.5215177E-05	0.6821217E-09	0.9910895
0.1800000E-03	0.1900000E-03	0.1850000E-03	0.5048499E-04	0.6980538E-08	0.5048498E-05	0.6980536E-09	0.9910373
0.1900000E-03	0.2000000E-03	0.1950000E-03	0.4859590E-04	0.7082541E-08	0.4859595E-05	0.7082548E-09	0.9909868
0.2000000E-03	0.2100000E-03	0.2050000E-03	0.4700328E-04	0.7201729E-08	0.4700326E-05	0.7201727E-09	0.9909382
0.2100000E-03	0.2200000E-03	0.2150000E-03	0.4544761E-04	0.7303051E-08	0.4544759E-05	0.7303048E-09	0.9908912

0.2200000E-03	0.2300000E-03	0.2250000E-03	0.4404011E-04	0.7406034E-08	0.4404009E-05	0.7406031E-09	0.9908458
0.2300000E-03	0.2400000E-03	0.2350000E-03	0.4270662E-04	0.7500978E-08	0.4270666E-05	0.7500986E-09	0.9908018
0.2400000E-03	0.2550000E-03	0.2475000E-03	0.6144869E-04	0.1136692E-07	0.4096580E-05	0.7577945E-09	0.9907591
0.2550000E-03	0.2700000E-03	0.2625000E-03	0.5872628E-04	0.1152170E-07	0.3915086E-05	0.7681136E-09	0.9906976
0.2700000E-03	0.2800000E-03	0.2750000E-03	0.3792862E-04	0.7795691E-08	0.3792856E-05	0.7795677E-09	0.9906389
0.2800000E-03	0.3000000E-03	0.2900000E-03	0.7298286E-04	0.1581881E-07	0.3649142E-05	0.7909400E-09	0.9906010
0.3000000E-03	0.3200000E-03	0.3100000E-03	0.6830096E-04	0.1582499E-07	0.3415052E-05	0.7912501E-09	0.9905280
0.3200000E-03	0.3400000E-03	0.3300000E-03	0.6359701E-04	0.1568576E-07	0.3179850E-05	0.7842876E-09	0.9904597
0.3400000E-03	0.3600000E-03	0.3500000E-03	0.5950043E-04	0.1556478E-07	0.2975020E-05	0.7782387E-09	0.9903961
0.3600000E-03	0.3800000E-03	0.3700000E-03	0.5583352E-04	0.1544015E-07	0.2791675E-05	0.7720075E-09	0.9903367
0.3800000E-03	0.4000000E-03	0.3900000E-03	0.5244061E-04	0.1528577E-07	0.2622033E-05	0.7642891E-09	0.9902808
0.4000000E-03	0.4250000E-03	0.4125000E-03	0.6104129E-04	0.1881926E-07	0.2441650E-05	0.7527698E-09	0.9902284
0.4250000E-03	0.4500000E-03	0.4375000E-03	0.5653167E-04	0.1848522E-07	0.2261268E-05	0.7394094E-09	0.9901673
0.4500000E-03	0.4750000E-03	0.4625000E-03	0.5266108E-04	0.1820356E-07	0.2106442E-05	0.7281420E-09	0.9901108
0.4750000E-03	0.5000000E-03	0.4875000E-03	0.4926270E-04	0.1794931E-07	0.1970507E-05	0.7179719E-09	0.9900581
0.5000000E-03	0.5250000E-03	0.5125000E-03	0.4658649E-04	0.1784468E-07	0.1863463E-05	0.7137884E-09	0.9900089
0.5250000E-03	0.5500000E-03	0.5375000E-03	0.4339193E-04	0.1743180E-07	0.1735676E-05	0.6972716E-09	0.9899623
0.5500000E-03	0.5750000E-03	0.5625000E-03	0.4137327E-04	0.1739391E-07	0.1654930E-05	0.6957559E-09	0.9899189
0.5750000E-03	0.6000000E-03	0.5875000E-03	0.3977129E-04	0.1746355E-07	0.1590851E-05	0.6985414E-09	0.9898775
0.6000000E-03	0.6300000E-03	0.6150000E-03	0.4558093E-04	0.2095141E-07	0.1519365E-05	0.6983804E-09	0.9898378
0.6300000E-03	0.6600000E-03	0.6450000E-03	0.4385858E-04	0.2114312E-07	0.1461953E-05	0.7047708E-09	0.9897922
0.6600000E-03	0.6900000E-03	0.6750000E-03	0.4176956E-04	0.2107262E-07	0.1392319E-05	0.7024207E-09	0.9897483
0.6900000E-03	0.7200000E-03	0.7050000E-03	0.3994720E-04	0.2104894E-07	0.1331574E-05	0.7016316E-09	0.9897065
0.7200000E-03	0.7600000E-03	0.7400000E-03	0.5074428E-04	0.2806556E-07	0.1268607E-05	0.7016387E-09	0.9896666
0.7600000E-03	0.8000000E-03	0.7800000E-03	0.4812181E-04	0.2805378E-07	0.1203047E-05	0.7013452E-09	0.9896159
0.8000000E-03	0.8400000E-03	0.8200000E-03	0.4526240E-04	0.2773998E-07	0.1131560E-05	0.6934994E-09	0.9895678
0.8400000E-03	0.8800000E-03	0.8600000E-03	0.4327708E-04	0.2781706E-07	0.1081927E-05	0.6954262E-09	0.9895225
0.8800000E-03	0.9200000E-03	0.9000000E-03	0.4151399E-04	0.2792492E-07	0.1037849E-05	0.6981227E-09	0.9894792
0.9200000E-03	0.9600000E-03	0.9400000E-03	0.4009161E-04	0.2816672E-07	0.1002291E-05	0.7041687E-09	0.9894378
0.9600000E-03	0.1000000E-02	0.9800000E-03	0.4112885E-04	0.3012503E-07	0.1028219E-05	0.7531243E-09	0.9893976
0.1000000E-02	0.1050000E-02	0.1025000E-02	0.4950334E-04	0.3792392E-07	0.9900685E-06	0.7584797E-09	0.9893565
0.1050000E-02	0.1100000E-02	0.1075000E-02	0.4737368E-04	0.3806278E-07	0.9474730E-06	0.7612551E-09	0.9893070
0.1100000E-02	0.1150000E-02	0.1125000E-02	0.4539206E-04	0.3816693E-07	0.9078407E-06	0.7633381E-09	0.9892596
0.1150000E-02	0.1200000E-02	0.1175000E-02	0.4355860E-04	0.3825311E-07	0.8711716E-06	0.7650616E-09	0.9892142
0.1200000E-02	0.1275000E-02	0.1237500E-02	0.6105978E-04	0.5647487E-07	0.8141305E-06	0.7529984E-09	0.9891706
0.1275000E-02	0.1350000E-02	0.1312500E-02	0.5358703E-04	0.5256709E-07	0.7144939E-06	0.7008946E-09	0.9891096
0.1350000E-02	0.1425000E-02	0.1387500E-02	0.5005902E-04	0.5191229E-07	0.6674537E-06	0.6921639E-09	0.9890560
0.1425000E-02	0.1500000E-02	0.1462500E-02	0.4716992E-04	0.5156036E-07	0.6289324E-06	0.6874715E-09	0.9890059
0.1500000E-02	0.1600000E-02	0.1550000E-02	0.5930036E-04	0.6869796E-07	0.5930040E-06	0.6869800E-09	0.9889588

0.1600000E-02	0.1700000E-02	0.1650000E-02	0.5585575E-04	0.6888215E-07	0.5585571E-06	0.6888211E-09	0.9888995
0.1700000E-02	0.1800000E-02	0.1750000E-02	0.5267029E-04	0.6889038E-07	0.5267031E-06	0.6889042E-09	0.9888436
0.1800000E-02	0.1900000E-02	0.1850000E-02	0.5015165E-04	0.6934446E-07	0.5015162E-06	0.6934441E-09	0.9887909
0.1900000E-02	0.2000000E-02	0.1950000E-02	0.4792928E-04	0.6985385E-07	0.4792925E-06	0.6985381E-09	0.9887408
0.2000000E-02	0.2100000E-02	0.2050000E-02	0.4626238E-04	0.7088212E-07	0.4626246E-06	0.7088224E-09	0.9886929
0.2100000E-02	0.2200000E-02	0.2150000E-02	0.4504019E-04	0.7237583E-07	0.4504016E-06	0.7237578E-09	0.9886466
0.2200000E-02	0.2300000E-02	0.2250000E-02	0.4341044E-04	0.7300145E-07	0.4341042E-06	0.7300140E-09	0.9886016
0.2300000E-02	0.2400000E-02	0.2350000E-02	0.4155845E-04	0.7299316E-07	0.4155843E-06	0.7299311E-09	0.9885582
0.2400000E-02	0.2550000E-02	0.2475000E-02	0.5994860E-04	0.1108943E-06	0.3996574E-06	0.7392952E-09	0.9885166
0.2550000E-02	0.2700000E-02	0.2625000E-02	0.5744841E-04	0.1127099E-06	0.3829895E-06	0.7513997E-09	0.9884567
0.2700000E-02	0.2800000E-02	0.2750000E-02	0.3718770E-04	0.7643403E-07	0.3718776E-06	0.7643416E-09	0.9883992
0.2800000E-02	0.3000000E-02	0.2900000E-02	0.7275322E-04	0.1576903E-06	0.3637659E-06	0.7884512E-09	0.9883620
0.3000000E-02	0.3200000E-02	0.3100000E-02	0.7128638E-04	0.1651669E-06	0.3564321E-06	0.8258352E-09	0.9882892
0.3200000E-02	0.3400000E-02	0.3300000E-02	0.7044197E-04	0.1737402E-06	0.3522096E-06	0.8687003E-09	0.9882179
0.3400000E-02	0.3600000E-02	0.3500000E-02	0.7181233E-04	0.1878547E-06	0.3590619E-06	0.9392738E-09	0.9881475
0.3600000E-02	0.3800000E-02	0.3700000E-02	0.7375330E-04	0.2039567E-06	0.3687663E-06	0.1019783E-08	0.9880757
0.3800000E-02	0.4000000E-02	0.3900000E-02	0.7278287E-04	0.2121527E-06	0.3639141E-06	0.1060763E-08	0.9880019
0.4000000E-02	0.4250000E-02	0.4125000E-02	0.8896916E-04	0.2742952E-06	0.3558766E-06	0.1097181E-08	0.9879292
0.4250000E-02	0.4500000E-02	0.4375000E-02	0.8932083E-04	0.2920691E-06	0.3572839E-06	0.1168278E-08	0.9878402
0.4500000E-02	0.4750000E-02	0.4625000E-02	0.8833945E-04	0.3053664E-06	0.3533578E-06	0.1221465E-08	0.9877508
0.4750000E-02	0.5000000E-02	0.4875000E-02	0.8650601E-04	0.3151924E-06	0.3460240E-06	0.1260769E-08	0.9876625
0.5000000E-02	0.5250000E-02	0.5125000E-02	0.8359840E-04	0.3202187E-06	0.3343935E-06	0.1280875E-08	0.9875760
0.5250000E-02	0.5500000E-02	0.5375000E-02	0.8292243E-04	0.3331235E-06	0.3316896E-06	0.1332494E-08	0.9874924
0.5500000E-02	0.5750000E-02	0.5625000E-02	0.7943145E-04	0.3339411E-06	0.3177257E-06	0.1335764E-08	0.9874095
0.5750000E-02	0.6000000E-02	0.5875000E-02	0.8283907E-04	0.3637458E-06	0.3313562E-06	0.1454983E-08	0.9873300
0.6000000E-02	0.6300000E-02	0.6150000E-02	0.1045517E-03	0.4805748E-06	0.3485057E-06	0.1601916E-08	0.9872472
0.6300000E-02	0.6600000E-02	0.6450000E-02	0.1051628E-03	0.5069636E-06	0.3505428E-06	0.1689879E-08	0.9871426
0.6600000E-02	0.6900000E-02	0.6750000E-02	0.1047961E-03	0.5286933E-06	0.3493204E-06	0.1762311E-08	0.9870375
0.6900000E-02	0.7200000E-02	0.7050000E-02	0.1035405E-03	0.5455746E-06	0.3451350E-06	0.1818582E-08	0.9869327
0.7200000E-02	0.7600000E-02	0.7400000E-02	0.1385875E-03	0.7664972E-06	0.3464685E-06	0.1916242E-08	0.9868292
0.7600000E-02	0.8000000E-02	0.7800000E-02	0.1370466E-03	0.7989465E-06	0.3426163E-06	0.1997365E-08	0.9866906
0.8000000E-02	0.8400000E-02	0.8200000E-02	0.1427356E-03	0.8747843E-06	0.3568396E-06	0.2186965E-08	0.9865535
0.8400000E-02	0.8800000E-02	0.8600000E-02	0.1438026E-03	0.9243153E-06	0.3595064E-06	0.2310787E-08	0.9864108
0.8800000E-02	0.9200000E-02	0.9000000E-02	0.1466325E-03	0.9863420E-06	0.3665810E-06	0.2465854E-08	0.9862670
0.9200000E-02	0.9600000E-02	0.9400001E-02	0.1468547E-03	0.1031741E-05	0.3671366E-06	0.2579351E-08	0.9861203
0.9600000E-02	0.1000000E-01	0.9800000E-02	0.1488989E-03	0.1090618E-05	0.3722480E-06	0.2726549E-08	0.9859735
0.1000000E-01	0.1050000E-01	0.1025000E-01	0.1839943E-03	0.1409558E-05	0.3679885E-06	0.2819116E-08	0.9858246
0.1050000E-01	0.1100000E-01	0.1075000E-01	0.1864944E-03	0.1498405E-05	0.3729888E-06	0.2996809E-08	0.9856406
0.1100000E-01	0.1150000E-01	0.1125000E-01	0.1870500E-03	0.1572770E-05	0.3741000E-06	0.3145539E-08	0.9854541

0.1150000E-01	0.1200000E-01	0.1175000E-01	0.1870500E-03	0.1642670E-05	0.3741000E-06	0.3285340E-08	0.9852670
0.1200000E-01	0.1275000E-01	0.1237500E-01	0.2741022E-03	0.2535202E-05	0.3654698E-06	0.3380271E-08	0.9850800
0.1275000E-01	0.1350000E-01	0.1312500E-01	0.2816864E-03	0.2763250E-05	0.3755816E-06	0.3684330E-08	0.9848059
0.1350000E-01	0.1425000E-01	0.1387500E-01	0.2847418E-03	0.2952834E-05	0.3796559E-06	0.3937114E-08	0.9845242
0.1425000E-01	0.1500000E-01	0.1462500E-01	0.2864086E-03	0.3130666E-05	0.3818783E-06	0.4174223E-08	0.9842395
0.1500000E-01	0.1600000E-01	0.1550000E-01	0.4018800E-03	0.4655678E-05	0.4018796E-06	0.4655673E-08	0.9839531
0.1600000E-01	0.1700000E-01	0.1650000E-01	0.4089173E-03	0.5042829E-05	0.4089172E-06	0.5042828E-08	0.9835512
0.1700000E-01	0.1800000E-01	0.1750000E-01	0.4122501E-03	0.5392047E-05	0.4122508E-06	0.5392057E-08	0.9831423
0.1800000E-01	0.1900000E-01	0.1850000E-01	0.4211404E-03	0.5823089E-05	0.4211403E-06	0.5823088E-08	0.9827301
0.1900000E-01	0.2000000E-01	0.1950000E-01	0.4300298E-03	0.6267408E-05	0.4300298E-06	0.6267407E-08	0.9823089
0.2000000E-01	0.2100000E-01	0.2050000E-01	0.4274371E-03	0.6549089E-05	0.4274370E-06	0.6549088E-08	0.9818789
0.2100000E-01	0.2200000E-01	0.2150000E-01	0.4344746E-03	0.6981643E-05	0.4344745E-06	0.6981641E-08	0.9814515
0.2200000E-01	0.2300000E-01	0.2250000E-01	0.4407713E-03	0.7412260E-05	0.4407712E-06	0.7412258E-08	0.9810170
0.2300000E-01	0.2400000E-01	0.2350000E-01	0.4422529E-03	0.7767717E-05	0.4422528E-06	0.7767715E-08	0.9805762
0.2400000E-01	0.2500000E-01	0.2475000E-01	0.6744909E-03	0.1247688E-04	0.4496608E-06	0.8317927E-08	0.9801340
0.2500000E-01	0.2700000E-01	0.2625000E-01	0.7033825E-03	0.1379989E-04	0.4689213E-06	0.9199922E-08	0.9794595
0.2700000E-01	0.2800000E-01	0.2750000E-01	0.4744774E-03	0.9752211E-05	0.4744774E-06	0.9752210E-08	0.9787561
0.2800000E-01	0.3000000E-01	0.2900000E-01	0.9711775E-03	0.2104997E-04	0.4855891E-06	0.1052499E-07	0.9782816
0.3000000E-01	0.3200000E-01	0.3100000E-01	0.9304358E-03	0.2155773E-04	0.4652174E-06	0.1077885E-07	0.9773104
0.3200000E-01	0.3400000E-01	0.3300000E-01	0.9711784E-03	0.2395343E-04	0.4855891E-06	0.1197671E-07	0.9763800
0.3400000E-01	0.3600000E-01	0.3500000E-01	0.9993267E-03	0.2614149E-04	0.4996642E-06	0.1307077E-07	0.9754088
0.3600000E-01	0.3800000E-01	0.3700000E-01	0.1048221E-02	0.2898740E-04	0.5241103E-06	0.1449370E-07	0.9744095
0.3800000E-01	0.4000000E-01	0.3900000E-01	0.1090446E-02	0.3178510E-04	0.5452229E-06	0.1589255E-07	0.9733613
0.4000000E-01	0.4250000E-01	0.4125000E-01	0.1510290E-02	0.4656281E-04	0.6041158E-06	0.1862511E-07	0.9722708
0.4250000E-01	0.4500000E-01	0.4375000E-01	0.1565850E-02	0.5120155E-04	0.6263397E-06	0.2048061E-07	0.9707605
0.4500000E-01	0.4750000E-01	0.4625000E-01	0.1594554E-02	0.5511955E-04	0.6378220E-06	0.2204784E-07	0.9691947
0.4750000E-01	0.5000000E-01	0.4875000E-01	0.1569554E-02	0.5718811E-04	0.6278214E-06	0.2287523E-07	0.9676001
0.5000000E-01	0.5250000E-01	0.5125000E-01	0.1610295E-02	0.6168140E-04	0.6441187E-06	0.2467258E-07	0.9660305
0.5250000E-01	0.5500000E-01	0.5375000E-01	0.1677895E-02	0.6740593E-04	0.6711576E-06	0.2696236E-07	0.9644203
0.5500000E-01	0.5750000E-01	0.5625000E-01	0.1748270E-02	0.7349977E-04	0.6993077E-06	0.2939989E-07	0.9627424
0.5750000E-01	0.6000000E-01	0.5875000E-01	0.1826051E-02	0.8018174E-04	0.7304209E-06	0.3207273E-07	0.9609941
0.6000000E-01	0.6300000E-01	0.6150000E-01	0.2401279E-02	0.1103755E-03	0.8004258E-06	0.3679180E-07	0.9591681
0.6300000E-01	0.6600000E-01	0.6450000E-01	0.2527952E-02	0.1218662E-03	0.8426509E-06	0.4062210E-07	0.9567668
0.6600000E-01	0.6900000E-01	0.6750000E-01	0.2611291E-02	0.1317389E-03	0.8704308E-06	0.4391297E-07	0.9542388
0.6900000E-01	0.7200000E-01	0.7050000E-01	0.2669072E-02	0.1406385E-03	0.8896913E-06	0.4687953E-07	0.9516276
0.7200000E-01	0.7600000E-01	0.7400000E-01	0.3619510E-02	0.2001872E-03	0.9048775E-06	0.5004680E-07	0.9489585
0.7600000E-01	0.8000000E-01	0.7799999E-01	0.3686182E-02	0.2148949E-03	0.9215453E-06	0.5372372E-07	0.9453390
0.8000000E-01	0.8400000E-01	0.8200000E-01	0.3715814E-02	0.2277313E-03	0.9289532E-06	0.5693281E-07	0.9416528
0.8400000E-01	0.8800000E-01	0.8600000E-01	0.3754335E-02	0.2413161E-03	0.9385837E-06	0.6032901E-07	0.9379370

0.8800000E-01	0.9200000E-01	0.9000000E-01	0.3791374E-02	0.2550316E-03	0.9478433E-06	0.6375789E-07	0.9341826
0.9200000E-01	0.9600000E-01	0.9400000E-01	0.3795819E-02	0.2666786E-03	0.9489547E-06	0.6666965E-07	0.9303913
0.9600000E-01	0.1000000	0.9800000E-01	0.3739519E-02	0.2739029E-03	0.9348796E-06	0.6847572E-07	0.9265954
0.1000000	0.1050000	0.1025000	0.4654021E-02	0.3565390E-03	0.9308052E-06	0.7130787E-07	0.9228559
0.1050000	0.1100000	0.1075000	0.4424383E-02	0.3554807E-03	0.8848762E-06	0.7109611E-07	0.9182019
0.1100000	0.1150000	0.1125000	0.4416975E-02	0.3713918E-03	0.8833945E-06	0.7427832E-07	0.9137775
0.1150000	0.1200000	0.1175000	0.4418821E-02	0.3880602E-03	0.8837650E-06	0.7761211E-07	0.9093605
0.1200000	0.1275000	0.1237500	0.6622682E-02	0.6125394E-03	0.8830243E-06	0.8167191E-07	0.9049416
0.1275000	0.1350000	0.1312500	0.6561573E-02	0.6436682E-03	0.8748754E-06	0.8582234E-07	0.8983189
0.1350000	0.1425000	0.1387500	0.6719904E-02	0.6968686E-03	0.8959880E-06	0.9291590E-07	0.8917574
0.1425000	0.1500000	0.1462500	0.6697693E-02	0.7321094E-03	0.8930249E-06	0.9761449E-07	0.8850375
0.1500000	0.1600000	0.1550000	0.8874680E-02	0.1028109E-02	0.8874688E-06	0.1028110E-06	0.8783398
0.1600000	0.1700000	0.1650000	0.8804318E-02	0.1085762E-02	0.8804313E-06	0.1085761E-06	0.8694651
0.1700000	0.1800000	0.1750000	0.8730238E-02	0.1141876E-02	0.8730234E-06	0.1141876E-06	0.8606608
0.1800000	0.1900000	0.1850000	0.8611699E-02	0.1190736E-02	0.8611707E-06	0.1190737E-06	0.8519306
0.1900000	0.2000000	0.1950000	0.8541335E-02	0.1244845E-02	0.8541331E-06	0.1244844E-06	0.8433189
0.2000000	0.2100000	0.2050000	0.8411685E-02	0.1288818E-02	0.8411693E-06	0.1288820E-06	0.8347775
0.2100000	0.2200000	0.2150000	0.8174644E-02	0.1313597E-02	0.8174640E-06	0.1313596E-06	0.8263658
0.2200000	0.2300000	0.2250000	0.8041301E-02	0.1352271E-02	0.8041297E-06	0.1352270E-06	0.8181912
0.2300000	0.2400000	0.2350000	0.7926469E-02	0.1392203E-02	0.7926476E-06	0.1392204E-06	0.8101498
0.2400000	0.2550000	0.2475000	0.1163970E-01	0.2153137E-02	0.7759797E-06	0.1435425E-06	0.8022234
0.2550000	0.2700000	0.2625000	0.1130635E-01	0.2218230E-02	0.7537558E-06	0.1478818E-06	0.7905837
0.2700000	0.2800000	0.2750000	0.7415322E-02	0.1524114E-02	0.7415329E-06	0.1524116E-06	0.7792773
0.2800000	0.3000000	0.2900000	0.1454917E-01	0.3153486E-02	0.7274579E-06	0.1576742E-06	0.7718620
0.3000000	0.3200000	0.3100000	0.1394910E-01	0.3231936E-02	0.6974557E-06	0.1615970E-06	0.7573129
0.3200000	0.3400000	0.3300000	0.1323796E-01	0.3265050E-02	0.6618977E-06	0.1632524E-06	0.7433638
0.3400000	0.3600000	0.3500000	0.1263051E-01	0.3304029E-02	0.6315252E-06	0.1652014E-06	0.7301258
0.3600000	0.3800000	0.3700000	0.1214898E-01	0.3359667E-02	0.6074495E-06	0.1679835E-06	0.7174953
0.3800000	0.4000000	0.3900000	0.1164526E-01	0.3394442E-02	0.5822624E-06	0.1697220E-06	0.7053463
0.4000000	0.4250000	0.4125000	0.1397320E-01	0.4307989E-02	0.5589276E-06	0.1723195E-06	0.6937011
0.4250000	0.4500000	0.4375000	0.1344536E-01	0.4396482E-02	0.5378149E-06	0.1758595E-06	0.6797279
0.4500000	0.4750000	0.4625000	0.1304720E-01	0.4510077E-02	0.5218880E-06	0.1804030E-06	0.6662825
0.4750000	0.5000000	0.4875000	0.1265829E-01	0.4612161E-02	0.5063314E-06	0.1844864E-06	0.6532353
0.5000000	0.5250000	0.5125000	0.1231565E-01	0.4717438E-02	0.4926266E-06	0.1886977E-06	0.6405770
0.5250000	0.5500000	0.5375000	0.1187121E-01	0.4769011E-02	0.4748477E-06	0.1907602E-06	0.6282614
0.5500000	0.5750000	0.5625000	0.1142671E-01	0.4803950E-02	0.4570687E-06	0.1921582E-06	0.6163902
0.5750000	0.6000000	0.5875000	0.1104708E-01	0.4850764E-02	0.4418825E-06	0.1940303E-06	0.6049635
0.6000000	0.6300000	0.6150000	0.1277865E-01	0.5873743E-02	0.4259554E-06	0.1957916E-06	0.5939164
0.6300000	0.6600000	0.6450000	0.1227864E-01	0.5919224E-02	0.4092876E-06	0.1973073E-06	0.5811378

0.6600000	0.6900000	0.6750000	0.1185636E-01	0.5981500E-02	0.3952125E-06	0.1993835E-06	0.5688592
0.6900000	0.7200000	0.7050000	0.1153414E-01	0.6077562E-02	0.3844711E-06	0.2025852E-06	0.5570028
0.7200000	0.7600000	0.7400000	0.1500843E-01	0.8300836E-02	0.3752112E-06	0.2075211E-06	0.5454686
0.7600000	0.8000000	0.7800000	0.1461732E-01	0.8521522E-02	0.3654328E-06	0.2130379E-06	0.5304602
0.8000000	0.8400000	0.8200000	0.1422912E-01	0.8720607E-02	0.3557284E-06	0.2180154E-06	0.5158429
0.8400000	0.8800000	0.8600000	0.1386467E-01	0.8911747E-02	0.3466166E-06	0.2227936E-06	0.5016137
0.8800000	0.9200000	0.9000000	0.1350613E-01	0.9085069E-02	0.3376531E-06	0.2271266E-06	0.4877491
0.9200000	0.9600000	0.9400000	0.1315645E-01	0.9243184E-02	0.3289117E-06	0.2310798E-06	0.4742429
0.9600000	1.0000000	0.9800000	0.1279349E-01	0.9370652E-02	0.3198370E-06	0.2342662E-06	0.4610865
1.0000000	1.1000000	1.0500000	0.3040952E-01	0.2386458E-01	0.3040952E-06	0.2386457E-06	0.4482930
1.1000000	1.2000000	1.1500000	0.2828715E-01	0.2431319E-01	0.2828714E-06	0.2431318E-06	0.4178835
1.2000000	1.3000000	1.2500000	0.2632402E-01	0.2459331E-01	0.2632404E-06	0.2459334E-06	0.3895963
1.3000000	1.4000000	1.3500000	0.2453504E-01	0.2475571E-01	0.2453503E-06	0.2475570E-06	0.3632723
1.4000000	1.5000000	1.4500000	0.2296826E-01	0.2489149E-01	0.2296825E-06	0.2489148E-06	0.3387373
1.5000000	1.6000000	1.5500000	0.2127555E-01	0.2464719E-01	0.2127555E-06	0.2464718E-06	0.3157690
1.6000000	1.7000000	1.6500000	0.1954950E-01	0.2410874E-01	0.1954950E-06	0.2410874E-06	0.2944935
1.7000000	1.8000000	1.7500000	0.1811235E-01	0.2369014E-01	0.1811237E-06	0.2369017E-06	0.2749440
1.8000000	1.9000000	1.8500000	0.1688636E-01	0.2334870E-01	0.1688636E-06	0.2334869E-06	0.2568316
1.9000000	2.0000000	1.9500000	0.1576035E-01	0.2296970E-01	0.1576035E-06	0.2296970E-06	0.2399452
2.0000000	2.1000000	2.0500000	0.1454543E-01	0.2228617E-01	0.1454545E-06	0.2228619E-06	0.2241849
2.1000000	2.2000000	2.1500000	0.1330835E-01	0.2138540E-01	0.1330833E-06	0.2138537E-06	0.2096395
2.2000000	2.3000000	2.2500000	0.1222677E-01	0.2056122E-01	0.1222678E-06	0.2056124E-06	0.1963311
2.3000000	2.4000000	2.3500000	0.1128228E-01	0.1981616E-01	0.1128227E-06	0.1981613E-06	0.1841044
2.4000000	2.5000000	2.4500000	0.1050443E-01	0.1923504E-01	0.1050444E-06	0.1923506E-06	0.1728221
2.5000000	2.6000000	2.5500000	0.9834005E-02	0.1874241E-01	0.9834014E-07	0.1874243E-06	0.1623177
2.6000000	2.7000000	2.6500000	0.9248802E-02	0.1831834E-01	0.9248788E-07	0.1831832E-06	0.1524837
2.7000000	2.8000000	2.7500000	0.8715410E-02	0.1791329E-01	0.8715418E-07	0.1791331E-06	0.1432348
2.8000000	2.9000000	2.8500000	0.8189468E-02	0.1744437E-01	0.8189456E-07	0.1744435E-06	0.1345194
2.9000000	3.0000000	2.9500000	0.7700526E-02	0.1697842E-01	0.7700532E-07	0.1697844E-06	0.1263300
3.0000000	3.1000000	3.0500000	0.7222715E-02	0.1646475E-01	0.7222722E-07	0.1646477E-06	0.1186294
3.1000000	3.2000000	3.1500000	0.6711585E-02	0.1580122E-01	0.6711576E-07	0.1580119E-06	0.1114067
3.2000000	3.3000000	3.2500000	0.6248574E-02	0.1517816E-01	0.6248580E-07	0.1517817E-06	0.1046951
3.3000000	3.4000000	3.3500000	0.5841154E-02	0.1462508E-01	0.5841146E-07	0.1462506E-06	0.9844657E-01
3.4000000	3.5000000	3.4500000	0.5478152E-02	0.1412563E-01	0.5478157E-07	0.1412565E-06	0.9260542E-01
3.5000000	3.6000000	3.5500000	0.5159611E-02	0.1368990E-01	0.5159616E-07	0.1368991E-06	0.8712727E-01
3.6000000	3.7000000	3.6500000	0.4896642E-02	0.1335814E-01	0.4896635E-07	0.1335813E-06	0.8196766E-01
3.7000000	3.8000000	3.7500000	0.4641057E-02	0.1300778E-01	0.4641061E-07	0.1300779E-06	0.7707102E-01
3.8000000	3.9000000	3.8500000	0.4392903E-02	0.1264059E-01	0.4392897E-07	0.1264057E-06	0.7242996E-01
3.9000000	4.0000000	3.9500000	0.4152135E-02	0.1225811E-01	0.4152139E-07	0.1225812E-06	0.6803706E-01

4.000000	4.100000	4.050000	0.3892858E-02	0.1178361E-01	0.3892862E-07	0.1178363E-06	0.6388493E-01
4.100000	4.200000	4.150000	0.3640619E-02	0.1129219E-01	0.3640623E-07	0.1129220E-06	0.5999207E-01
4.200000	4.300000	4.250000	0.3432473E-02	0.1090312E-01	0.3432460E-07	0.1090308E-06	0.5635145E-01
4.300000	4.400000	4.350000	0.3256890E-02	0.1058881E-01	0.3256893E-07	0.1058882E-06	0.5291898E-01
4.400000	4.500000	4.450000	0.3100582E-02	0.1031236E-01	0.3100585E-07	0.1031237E-06	0.4966209E-01
4.500000	4.600000	4.550000	0.2959091E-02	0.1006293E-01	0.2959093E-07	0.1006294E-06	0.4656151E-01
4.600000	4.700000	4.650000	0.2830564E-02	0.9837408E-02	0.2830566E-07	0.9837417E-07	0.4360241E-01
4.700000	4.800000	4.750000	0.2704272E-02	0.9600609E-02	0.2704261E-07	0.9600572E-07	0.4077185E-01
4.800000	4.900000	4.850000	0.2583140E-02	0.9363636E-02	0.2583142E-07	0.9363645E-07	0.3806758E-01
4.900000	5.000000	4.950000	0.2470910E-02	0.9141489E-02	0.2470912E-07	0.9141498E-07	0.3548444E-01
5.000000	5.100000	5.050000	0.2345716E-02	0.8853636E-02	0.2345718E-07	0.8853644E-07	0.3301353E-01
5.100000	5.200000	5.150000	0.2206817E-02	0.8494316E-02	0.2206819E-07	0.8494324E-07	0.3066781E-01
5.200000	5.300000	5.250000	0.2070892E-02	0.8125902E-02	0.2070884E-07	0.8125871E-07	0.2846100E-01
5.300000	5.400000	5.350000	0.1936429E-02	0.7743018E-02	0.1936431E-07	0.7743025E-07	0.2639010E-01
5.400000	5.500000	5.450000	0.1804938E-02	0.7352137E-02	0.1804940E-07	0.7352144E-07	0.2445368E-01
5.500000	5.600000	5.550000	0.1684189E-02	0.6986164E-02	0.1684191E-07	0.6986171E-07	0.2264874E-01
5.600000	5.700000	5.650000	0.1581219E-02	0.6677215E-02	0.1581221E-07	0.6677221E-07	0.2096455E-01
5.700000	5.800000	5.750000	0.1494924E-02	0.6424537E-02	0.1494919E-07	0.6424513E-07	0.1938333E-01
5.800000	5.900000	5.850000	0.1422319E-02	0.6218818E-02	0.1422321E-07	0.6218824E-07	0.1788940E-01
5.900000	6.000000	5.950000	0.1357500E-02	0.6036869E-02	0.1357502E-07	0.6036875E-07	0.1646608E-01
6.000000	6.100000	6.050000	0.1266012E-02	0.5724640E-02	0.1266014E-07	0.5724645E-07	0.1510859E-01
6.100000	6.200000	6.150000	0.1150449E-02	0.5288073E-02	0.1150450E-07	0.5288078E-07	0.1384257E-01
6.200000	6.300000	6.250000	0.1037853E-02	0.4848092E-02	0.1037849E-07	0.4848074E-07	0.1269212E-01
6.300000	6.400000	6.350000	0.9293227E-03	0.4410574E-02	0.9293236E-08	0.4410578E-07	0.1165427E-01
6.400000	6.500000	6.450000	0.8330198E-03	0.4015780E-02	0.8330207E-08	0.4015784E-07	0.1072495E-01
6.500000	6.600000	6.550000	0.7500512E-03	0.3671868E-02	0.7500519E-08	0.3671871E-07	0.9891927E-02
6.600000	6.700000	6.650000	0.6793057E-03	0.3376305E-02	0.6793063E-08	0.3376308E-07	0.9141876E-02
6.700000	6.800000	6.750000	0.6218973E-03	0.3137453E-02	0.6218949E-08	0.3137441E-07	0.8462571E-02
6.800000	6.900000	6.850000	0.5741133E-03	0.2939294E-02	0.5741139E-08	0.2939297E-07	0.7840673E-02
6.900000	7.000000	6.950000	0.5307769E-03	0.2757095E-02	0.5307774E-08	0.2757097E-07	0.7266560E-02
7.000000	7.100000	7.050000	0.4904039E-03	0.2584032E-02	0.4904044E-08	0.2584034E-07	0.6735783E-02
7.100000	7.200000	7.150000	0.4537347E-03	0.2424727E-02	0.4537351E-08	0.2424729E-07	0.6245379E-02
7.200000	7.300000	7.250000	0.4178083E-03	0.2263966E-02	0.4178067E-08	0.2263957E-07	0.5791645E-02
7.300000	7.400000	7.350000	0.3833595E-03	0.2105952E-02	0.3833599E-08	0.2105954E-07	0.5373836E-02
7.400000	7.500000	7.450000	0.3523944E-03	0.1962186E-02	0.3523947E-08	0.1962188E-07	0.4990477E-02
7.500000	7.600000	7.550000	0.3240962E-03	0.1828840E-02	0.3240965E-08	0.1828842E-07	0.4638083E-02
7.600000	7.700000	7.650000	0.2976129E-03	0.1701641E-02	0.2976132E-08	0.1701643E-07	0.4313987E-02
7.700000	7.799990	7.749995	0.2735482E-03	0.1584492E-02	0.2735745E-08	0.1584645E-07	0.4016374E-02
7.799990	7.899990	7.849990	0.2523876E-03	0.1480785E-02	0.2523878E-08	0.1480786E-07	0.3742826E-02

7.899990	7.999990	7.949990	0.2334234E-03	0.1386966E-02	0.2334236E-08	0.1386967E-07	0.3490438E-02
7.999990	8.099990	8.049990	0.2167185E-03	0.1303906E-02	0.2167187E-08	0.1303907E-07	0.3257015E-02
8.099990	8.200000	8.149995	0.2019599E-03	0.1230205E-02	0.2019399E-08	0.1230083E-07	0.3040296E-02
8.200000	8.300000	8.250000	0.1884582E-03	0.1162047E-02	0.1884575E-08	0.1162043E-07	0.2838336E-02
8.300000	8.400000	8.350000	0.1760483E-03	0.1098685E-02	0.1760493E-08	0.1098691E-07	0.2649878E-02
8.400000	8.500000	8.450000	0.1645305E-03	0.1039102E-02	0.1645299E-08	0.1039098E-07	0.2473830E-02
8.500000	8.600000	8.550000	0.1536779E-03	0.9820471E-03	0.1536773E-08	0.9820433E-08	0.2309299E-02
8.600000	8.700000	8.650000	0.1434536E-03	0.9274323E-03	0.1434544E-08	0.9274377E-08	0.2155621E-02
8.700000	8.800000	8.750000	0.1338246E-03	0.8751827E-03	0.1338241E-08	0.8751794E-08	0.2012168E-02
8.800000	8.900000	8.850000	0.1249338E-03	0.8263770E-03	0.1249346E-08	0.8263817E-08	0.1878343E-02
8.900000	9.000000	8.950000	0.1167122E-03	0.7807178E-03	0.1167118E-08	0.7807149E-08	0.1753409E-02
9.000000	9.100000	9.050000	0.1091191E-03	0.7380811E-03	0.1091187E-08	0.7380783E-08	0.1636697E-02
9.100000	9.200000	9.150000	0.1020806E-03	0.6981022E-03	0.1020812E-08	0.6981062E-08	0.1527578E-02
9.200000	9.300000	9.250000	0.9552550E-04	0.6604135E-03	0.9552514E-09	0.6604109E-08	0.1425498E-02
9.300000	9.400000	9.350000	0.8937605E-04	0.6245794E-03	0.8937657E-09	0.6245830E-08	0.1329972E-02
9.400000	9.500000	9.450000	0.8359869E-04	0.5904541E-03	0.8359837E-09	0.5904519E-08	0.1240596E-02
9.500000	9.600000	9.550000	0.7815386E-04	0.5578388E-03	0.7815356E-09	0.5578367E-08	0.1156997E-02
9.600000	9.700000	9.650000	0.7300464E-04	0.5265414E-03	0.7300506E-09	0.5265445E-08	0.1078843E-02
9.700000	9.800000	9.750000	0.6811607E-04	0.4963740E-03	0.6811581E-09	0.4963721E-08	0.1005839E-02
9.800000	9.900000	9.850000	0.6352256E-04	0.4676480E-03	0.6352292E-09	0.4676507E-08	0.9377228E-03
9.900000	10.00000	9.950000	0.5922656E-04	0.4404478E-03	0.5922633E-09	0.4404461E-08	0.8742003E-03
10.00000	10.10000	10.05000	0.5518922E-04	0.4145483E-03	0.5518900E-09	0.4145467E-08	0.8149737E-03
10.10000	10.20000	10.15000	0.5148476E-04	0.3905706E-03	0.5148506E-09	0.3905728E-08	0.7597845E-03
10.20000	10.30000	10.25000	0.4804054E-04	0.3680329E-03	0.4804036E-09	0.3680315E-08	0.7082997E-03
10.30000	10.40000	10.35000	0.4485470E-04	0.3469790E-03	0.4485495E-09	0.3469809E-08	0.6602592E-03
10.40000	10.50000	10.45000	0.4189195E-04	0.3271913E-03	0.4189179E-09	0.3271900E-08	0.6154045E-03
10.50000	10.60000	10.55000	0.3911397E-04	0.3084176E-03	0.3911382E-09	0.3084164E-08	0.5735126E-03
10.60000	10.70000	10.65000	0.3653566E-04	0.2908180E-03	0.3653587E-09	0.2908197E-08	0.5343986E-03
10.70000	10.80000	10.75000	0.3412101E-04	0.2741480E-03	0.3412088E-09	0.2741470E-08	0.4978629E-03
10.80000	10.90000	10.85000	0.3186128E-04	0.2583734E-03	0.3186146E-09	0.2583749E-08	0.4637419E-03
10.90000	11.00000	10.95000	0.2974662E-04	0.2434482E-03	0.2974651E-09	0.2434473E-08	0.4318807E-03
11.00000	11.10000	11.05000	0.2776129E-04	0.2292750E-03	0.2776118E-09	0.2292742E-08	0.4021341E-03
11.10000	11.20000	11.15000	0.2589053E-04	0.2157599E-03	0.2589068E-09	0.2157611E-08	0.3743728E-03
11.20000	11.30000	11.25000	0.2412398E-04	0.2028413E-03	0.2412389E-09	0.2028405E-08	0.3484822E-03
11.30000	11.40000	11.35000	0.2246069E-04	0.1905346E-03	0.2246082E-09	0.1905357E-08	0.3243582E-03
11.40000	11.50000	11.45000	0.2089782E-04	0.1788386E-03	0.2089774E-09	0.1788379E-08	0.3018975E-03
11.50000	11.60000	11.55000	0.1945327E-04	0.1679305E-03	0.1945320E-09	0.1679298E-08	0.2809997E-03
11.60000	11.70000	11.65000	0.1813079E-04	0.1578692E-03	0.1813089E-09	0.1578701E-08	0.2615464E-03
11.70000	11.80000	11.75000	0.1691975E-04	0.1485890E-03	0.1691969E-09	0.1485884E-08	0.2434156E-03

11.80000	11.90000	11.85000	0.1580101E-04	0.1399452E-03	0.1580110E-09	0.1399460E-08	0.2264959E-03
11.90000	12.00000	11.95000	0.1475293E-04	0.1317653E-03	0.1475288E-09	0.1317648E-08	0.2106949E-03
12.00000	12.10000	12.05000	0.1375286E-04	0.1238611E-03	0.1375281E-09	0.1238606E-08	0.1959420E-03
12.10000	12.20000	12.15000	0.1278970E-04	0.1161426E-03	0.1278978E-09	0.1161433E-08	0.1821891E-03
12.20000	12.30000	12.25000	0.1186753E-04	0.1086554E-03	0.1186749E-09	0.1086550E-08	0.1693994E-03
12.30000	12.40000	12.35000	0.1100811E-04	0.1016096E-03	0.1100817E-09	0.1016102E-08	0.1575319E-03
12.40000	12.50000	12.45000	0.1021926E-04	0.9509196E-04	0.1021922E-09	0.9509159E-09	0.1465237E-03
12.50000	12.60000	12.55000	0.9496990E-05	0.8908089E-04	0.9496954E-10	0.8908055E-09	0.1363045E-03
12.60000	12.70000	12.65000	0.8833896E-05	0.8352137E-04	0.8833946E-10	0.8352185E-09	0.1268075E-03
12.70000	12.80000	12.75000	0.8230231E-05	0.7842907E-04	0.8230200E-10	0.7842877E-09	0.1179736E-03
12.80000	12.90000	12.85000	0.7674562E-05	0.7370748E-04	0.7674606E-10	0.7370790E-09	0.1097434E-03
12.90000	13.00000	12.95000	0.7152374E-05	0.6922689E-04	0.7152347E-10	0.6922664E-09	0.1020688E-03
13.00000	13.10000	13.05000	0.6659746E-05	0.6495656E-04	0.6659721E-10	0.6495631E-09	0.9491644E-04
13.10000	13.20000	13.15000	0.6196690E-05	0.6090324E-04	0.6196726E-10	0.6090358E-09	0.8825669E-04
13.20000	13.30000	13.25000	0.5763383E-05	0.5707530E-04	0.5763361E-10	0.5707508E-09	0.8206000E-04
13.30000	13.40000	13.35000	0.5355895E-05	0.5344021E-04	0.5355926E-10	0.5344052E-09	0.7629662E-04
13.40000	13.50000	13.45000	0.4978141E-05	0.5004311E-04	0.4978122E-10	0.5004292E-09	0.7094072E-04
13.50000	13.60000	13.55000	0.4629968E-05	0.4688912E-04	0.4629950E-10	0.4688895E-09	0.6596257E-04
13.60000	13.70000	13.65000	0.4311385E-05	0.4398496E-04	0.4311410E-10	0.4398522E-09	0.6133260E-04
13.70000	13.80000	13.75000	0.4015108E-05	0.4126243E-04	0.4015093E-10	0.4126227E-09	0.5702122E-04
13.80000	13.90000	13.85000	0.3737274E-05	0.3868652E-04	0.3737296E-10	0.3868674E-09	0.5300612E-04
13.90000	14.00000	13.95000	0.3478773E-05	0.3627063E-04	0.3478759E-10	0.3627049E-09	0.4926884E-04
14.00000	14.10000	14.05000	0.3234681E-05	0.3396743E-04	0.3234669E-10	0.3396730E-09	0.4579007E-04
14.10000	14.20000	14.15000	0.3005376E-05	0.3178411E-04	0.3005394E-10	0.3178429E-09	0.4255539E-04
14.20000	14.30000	14.25000	0.2792426E-05	0.2974072E-04	0.2792415E-10	0.2974060E-09	0.3955001E-04
14.30000	14.40000	14.35000	0.2597202E-05	0.2785560E-04	0.2597217E-10	0.2785576E-09	0.3675758E-04
14.40000	14.50000	14.45000	0.2417584E-05	0.2610985E-04	0.2417575E-10	0.2610975E-09	0.3416038E-04
14.50000	14.60000	14.55000	0.2252387E-05	0.2449406E-04	0.2252378E-10	0.2449397E-09	0.3174279E-04
14.60000	14.70000	14.65000	0.2098652E-05	0.2297909E-04	0.2098664E-10	0.2297922E-09	0.2949041E-04
14.70000	14.80000	14.75000	0.1955698E-05	0.2156000E-04	0.1955691E-10	0.2155991E-09	0.2739176E-04
14.80000	14.90000	14.85000	0.1821597E-05	0.2021779E-04	0.1821608E-10	0.2021791E-09	0.2543606E-04
14.90000	15.00000	14.95000	0.1694938E-05	0.1893869E-04	0.1694932E-10	0.1893862E-09	0.2361446E-04
15.00000	15.10000	15.05000	0.1576041E-05	0.1772796E-04	0.1576035E-10	0.1772789E-09	0.2191952E-04
15.10000	15.20000	15.15000	0.1464908E-05	0.1658738E-04	0.1464917E-10	0.1658748E-09	0.2034348E-04
15.20000	15.30000	15.25000	0.1361211E-05	0.1551494E-04	0.1361206E-10	0.1551488E-09	0.1887857E-04
15.30000	15.40000	15.35000	0.1265636E-05	0.1452018E-04	0.1265643E-10	0.1452027E-09	0.1751736E-04
15.40000	15.50000	15.45000	0.1177493E-05	0.1359695E-04	0.1177488E-10	0.1359690E-09	0.1625172E-04
15.50000	15.60000	15.55000	0.1096377E-05	0.1274222E-04	0.1096373E-10	0.1274217E-09	0.1507423E-04
15.60000	15.70000	15.65000	0.1020436E-05	0.1193589E-04	0.1020441E-10	0.1193596E-09	0.1397785E-04

15.70000	15.80000	15.75000	0.9496990E-06	0.1117947E-04	0.9496954E-11	0.1117943E-09	0.1295742E-04
15.80000	15.90000	15.85000	0.8833895E-06	0.1046493E-04	0.8833946E-11	0.1046499E-09	0.1200772E-04
15.90000	16.00000	15.95000	0.8215415E-06	0.9793661E-05	0.8215384E-11	0.9793624E-10	0.1112433E-04
16.00000	16.10000	16.05000	0.7641299E-06	0.9166363E-05	0.7641270E-11	0.9166329E-10	0.1030279E-04
16.10000	16.20000	16.15000	0.7104223E-06	0.8575195E-05	0.7104197E-11	0.8575163E-10	0.9538659E-05
16.20000	16.30000	16.25000	0.6604061E-06	0.8020829E-05	0.6604162E-11	0.8020952E-10	0.8828236E-05
16.30000	16.40000	16.35000	0.6141190E-06	0.7504557E-05	0.6141166E-11	0.7504528E-10	0.8167830E-05
16.40000	16.50000	16.45000	0.5715232E-06	0.7026753E-05	0.5715210E-11	0.7026726E-10	0.7553711E-05
16.50000	16.60000	16.55000	0.5318906E-06	0.6579231E-05	0.5318886E-11	0.6579206E-10	0.6982188E-05
16.60000	16.70000	16.65000	0.4952213E-06	0.6162663E-05	0.4952184E-11	0.6162640E-10	0.6450297E-05
16.70000	16.80000	16.75000	0.4607656E-06	0.5768325E-05	0.4607726E-11	0.5768413E-10	0.5955076E-05
16.80000	16.90000	16.85000	0.4289202E-06	0.5401710E-05	0.4289186E-11	0.5401689E-10	0.5494310E-05
16.90000	17.00000	16.95000	0.3992884E-06	0.5058378E-05	0.3992869E-11	0.5058359E-10	0.5065390E-05
17.00000	17.10000	17.05000	0.3715086E-06	0.4734216E-05	0.3715072E-11	0.4734198E-10	0.4666101E-05
17.10000	17.20000	17.15000	0.3456549E-06	0.4430592E-05	0.3456536E-11	0.4430575E-10	0.4294593E-05
17.20000	17.30000	17.25000	0.3215358E-06	0.4145465E-05	0.3215407E-11	0.4145529E-10	0.3948938E-05
17.30000	17.40000	17.35000	0.2990589E-06	0.3878029E-05	0.2990578E-11	0.3878014E-10	0.3627402E-05
17.40000	17.50000	17.45000	0.2780574E-06	0.3626476E-05	0.2780563E-11	0.3626462E-10	0.3328343E-05
17.50000	17.60000	17.55000	0.2583892E-06	0.3389271E-05	0.2583882E-11	0.3389258E-10	0.3050286E-05
17.60000	17.70000	17.65000	0.2400175E-06	0.3166230E-05	0.2400166E-11	0.3166218E-10	0.2791896E-05
17.70000	17.80000	17.75000	0.2228268E-06	0.2956111E-05	0.2228302E-11	0.2956156E-10	0.2551879E-05
17.80000	17.90000	17.85000	0.2067929E-06	0.2758853E-05	0.2067921E-11	0.2758843E-10	0.2329052E-05
17.90000	18.00000	17.95000	0.1919400E-06	0.2575045E-05	0.1919393E-11	0.2575035E-10	0.2122259E-05
18.00000	18.10000	18.05000	0.1781612E-06	0.2403506E-05	0.1781605E-11	0.2403496E-10	0.1930319E-05
18.10000	18.20000	18.15000	0.1653454E-06	0.2242971E-05	0.1653448E-11	0.2242963E-10	0.1752158E-05
18.20000	18.30000	18.25000	0.1534897E-06	0.2093616E-05	0.1534921E-11	0.2093648E-10	0.1586812E-05
18.30000	18.40000	18.35000	0.1424919E-06	0.1954254E-05	0.1424914E-11	0.1954247E-10	0.1433323E-05
18.40000	18.50000	18.45000	0.1322689E-06	0.1823933E-05	0.1322684E-11	0.1823926E-10	0.1290831E-05
18.50000	18.60000	18.55000	0.1228238E-06	0.1702870E-05	0.1228234E-11	0.1702863E-10	0.1158562E-05
18.60000	18.70000	18.65000	0.1140824E-06	0.1590202E-05	0.1140820E-11	0.1590196E-10	0.1035738E-05
18.70000	18.80000	18.75000	0.1059687E-06	0.1485025E-05	0.1059703E-11	0.1485048E-10	0.9216556E-06
18.80000	18.90000	18.85000	0.9845164E-07	0.1387040E-05	0.9845127E-12	0.1387035E-10	0.8156869E-06
18.90000	19.00000	18.95000	0.9148817E-07	0.1295773E-05	0.9148782E-12	0.1295768E-10	0.7172352E-06
19.00000	19.10000	19.05000	0.8504324E-07	0.1210848E-05	0.8504292E-12	0.1210843E-10	0.6257470E-06
19.10000	19.20000	19.15000	0.7904281E-07	0.1131321E-05	0.7904250E-12	0.1131317E-10	0.5407038E-06
19.20000	19.30000	19.25000	0.7348546E-07	0.1057273E-05	0.7348658E-12	0.1057289E-10	0.4616610E-06
19.30000	19.40000	19.35000	0.6830130E-07	0.9877903E-06	0.6830103E-12	0.9877865E-11	0.3881755E-06
19.40000	19.50000	19.45000	0.6352315E-07	0.9234353E-06	0.6352290E-12	0.9234317E-11	0.3198742E-06
19.50000	19.60000	19.55000	0.5904135E-07	0.8626963E-06	0.5904113E-12	0.8626929E-11	0.2563511E-06

1

Title: list spectrum punch file in tabular format

B-39

MANIPULATE Run 3:

Environment:

ACRR Central Cavity

File Name:

ACF9-LIST

Picked up exported job name = acf9-list
Blank optical default filled /u3

1

MANIPULATE Version 1
Title: list spectrum punch file in tabular format

Control Parameters: 4 0 1 0 0 0 0 0 0 1 0 1 0
Opening directory location: /u3 /application/manipulate/response/
Opening file: /u3/application/manipulate/response/spectrum/acf9.ref-lis

SAND-II Energy Grid is Imposed

Comment
Average Energy = 0.6594391

B-41

Lower Energy MeV	Upper Energy MeV	Mid Energy MeV	Number Fraction	Energy Fraction	Differential Number	Differential Energy	Integral Number
0.1000000E-09	0.1050000E-09	0.1025000E-09	0.4228011E-07	0.6571813E-17	0.8456021E-02	0.1314363E-11	1.000001
0.1050000E-09	0.1100000E-09	0.1075000E-09	0.4433420E-07	0.7227243E-17	0.8866840E-02	0.1445449E-11	1.000001
0.1100000E-09	0.1150000E-09	0.1125000E-09	0.4638829E-07	0.7913821E-17	0.9277659E-02	0.1582764E-11	1.000001
0.1150000E-09	0.1200000E-09	0.1175000E-09	0.4844232E-07	0.8631536E-17	0.9688476E-02	0.1726310E-11	1.000001
0.1200000E-09	0.1275000E-09	0.1237500E-09	0.7651501E-07	0.1435877E-16	0.1020200E-01	0.1914502E-11	1.000001
0.1275000E-09	0.1350000E-09	0.1312500E-09	0.8111529E-07	0.1614460E-16	0.1081537E-01	0.2152613E-11	1.000001
0.1350000E-09	0.1425000E-09	0.1387500E-09	0.8573701E-07	0.1803959E-16	0.1143160E-01	0.2405278E-11	1.000001
0.1425000E-09	0.1500000E-09	0.1462500E-09	0.9033737E-07	0.2003497E-16	0.1204498E-01	0.2671328E-11	1.000000
0.1500000E-09	0.1600000E-09	0.1550000E-09	0.1276106E-06	0.2999465E-16	0.1276106E-01	0.2999464E-11	1.000000
0.1600000E-09	0.1700000E-09	0.1650000E-09	0.1357984E-06	0.3397848E-16	0.1357984E-01	0.3397848E-11	1.000000
0.1700000E-09	0.1800000E-09	0.1750000E-09	0.1439578E-06	0.3820310E-16	0.1439578E-01	0.3820310E-11	1.000000
0.1800000E-09	0.1900000E-09	0.1850000E-09	0.1521171E-06	0.4267516E-16	0.1521171E-01	0.4267516E-11	1.000000

0.1900000E-09	0.2000000E-09	0.1950000E-09	0.1602764E-06	0.4739468E-16	0.1602764E-01	0.4739467E-11	0.9999999
0.2000000E-09	0.2100000E-09	0.2050000E-09	0.1684357E-06	0.5236165E-16	0.1684357E-01	0.5236165E-11	0.9999997
0.2100000E-09	0.2200000E-09	0.2150000E-09	0.1765950E-06	0.5757610E-16	0.1765950E-01	0.5757609E-11	0.9999995
0.2200000E-09	0.2300000E-09	0.2250000E-09	0.1847258E-06	0.6302829E-16	0.1847258E-01	0.6302829E-11	0.9999993
0.2300000E-09	0.2400000E-09	0.2350000E-09	0.1928564E-06	0.6872696E-16	0.1928566E-01	0.6872706E-11	0.9999992
0.2400000E-09	0.2550000E-09	0.2475000E-09	0.3045195E-06	0.1142920E-15	0.2030130E-01	0.7619463E-11	0.9999990
0.2550000E-09	0.2700000E-09	0.2625000E-09	0.3227924E-06	0.1284925E-15	0.2151949E-01	0.8566167E-11	0.9999987
0.2700000E-09	0.2800000E-09	0.2750000E-09	0.2253228E-06	0.9396433E-16	0.2253227E-01	0.9396432E-11	0.9999984
0.2800000E-09	0.3000000E-09	0.2900000E-09	0.4749523E-06	0.2088687E-15	0.2374761E-01	0.1044343E-10	0.9999982
0.3000000E-09	0.3200000E-09	0.3100000E-09	0.5073043E-06	0.2384819E-15	0.2536521E-01	0.1192409E-10	0.9999977
0.3200000E-09	0.3400000E-09	0.3300000E-09	0.5395991E-06	0.2700290E-15	0.2697995E-01	0.1350145E-10	0.9999971
0.3400000E-09	0.3600000E-09	0.3500000E-09	0.5717229E-06	0.3034443E-15	0.2858614E-01	0.1517221E-10	0.9999966
0.3600000E-09	0.3800000E-09	0.3700000E-09	0.6042461E-06	0.3390321E-15	0.3021230E-01	0.1695161E-10	0.9999960
0.3800000E-09	0.4000000E-09	0.3900000E-09	0.6361987E-06	0.3762553E-15	0.3180993E-01	0.1881277E-10	0.9999954
0.4000000E-09	0.4250000E-09	0.4125000E-09	0.8401817E-06	0.5255602E-15	0.3360726E-01	0.2102240E-10	0.9999948
0.4250000E-09	0.4500000E-09	0.4375000E-09	0.8908207E-06	0.5910084E-15	0.3563282E-01	0.2364033E-10	0.9999939
0.4500000E-09	0.4750000E-09	0.4625000E-09	0.9407456E-06	0.6597953E-15	0.3762987E-01	0.2639184E-10	0.9999930
0.4750000E-09	0.5000000E-09	0.4875000E-09	0.9899595E-06	0.7318420E-15	0.3959838E-01	0.2927368E-10	0.9999921
0.5000000E-09	0.5250000E-09	0.5125000E-09	0.1039885E-05	0.8081735E-15	0.4159541E-01	0.3232693E-10	0.9999911
0.5250000E-09	0.5500000E-09	0.5375000E-09	0.1089811E-05	0.8882907E-15	0.4359245E-01	0.3553162E-10	0.9999900
0.5500000E-09	0.5750000E-09	0.5625000E-09	0.1139024E-05	0.9715846E-15	0.4556094E-01	0.3886338E-10	0.9999890
0.5750000E-09	0.6000000E-09	0.5875000E-09	0.1188950E-05	0.1059246E-14	0.4755798E-01	0.4236982E-10	0.9999878
0.6000000E-09	0.6300000E-09	0.6150000E-09	0.1491786E-05	0.1391256E-14	0.4972620E-01	0.4637518E-10	0.9999866
0.6300000E-09	0.6600000E-09	0.6450000E-09	0.1562824E-05	0.1528604E-14	0.5209412E-01	0.5095346E-10	0.9999852
0.6600000E-09	0.6900000E-09	0.6750000E-09	0.1633005E-05	0.1671539E-14	0.5443348E-01	0.5571796E-10	0.9999836
0.6900000E-09	0.7200000E-09	0.7050000E-09	0.1704042E-05	0.1821775E-14	0.5680141E-01	0.6072584E-10	0.9999820
0.7200000E-09	0.7600000E-09	0.7400000E-09	0.2381608E-05	0.2672559E-14	0.5954019E-01	0.6681397E-10	0.9999803
0.7600000E-09	0.8000000E-09	0.7800000E-09	0.2505995E-05	0.2964150E-14	0.6264987E-01	0.7410374E-10	0.9999779
0.8000000E-09	0.8400000E-09	0.8200000E-09	0.2630382E-05	0.3270830E-14	0.6575955E-01	0.8177074E-10	0.9999754
0.8400000E-09	0.8800000E-09	0.8600000E-09	0.2754769E-05	0.3592600E-14	0.6886921E-01	0.8981500E-10	0.9999728
0.8800000E-09	0.9200000E-09	0.9000000E-09	0.2878015E-05	0.3927904E-14	0.7195037E-01	0.9819758E-10	0.9999700
0.9200000E-09	0.9600000E-09	0.9400000E-09	0.3001256E-05	0.4278151E-14	0.7503149E-01	0.1069539E-09	0.9999672
0.9600000E-09	0.1000000E-08	0.9800000E-09	0.3123365E-05	0.4641668E-14	0.7808411E-01	0.1160417E-09	0.9999642
0.1000000E-08	0.1050000E-08	0.1025000E-08	0.4076806E-05	0.6336789E-14	0.8153611E-01	0.1267358E-09	0.9999611
0.1050000E-08	0.1100000E-08	0.1075000E-08	0.4266525E-05	0.6955174E-14	0.8533049E-01	0.1391035E-09	0.9999570
0.1100000E-08	0.1150000E-08	0.1125000E-08	0.4456243E-05	0.7602330E-14	0.8912486E-01	0.1520466E-09	0.9999527
0.1150000E-08	0.1200000E-08	0.1175000E-08	0.4645962E-05	0.8278255E-14	0.9291924E-01	0.1655651E-09	0.9999483
0.1200000E-08	0.1275000E-08	0.1237500E-08	0.7319850E-05	0.1373639E-13	0.9759799E-01	0.1831519E-09	0.9999436
0.1275000E-08	0.1350000E-08	0.1312500E-08	0.7741367E-05	0.1540786E-13	0.1032182	0.2054381E-09	0.9999363

0.1350000E-08	0.1425000E-08	0.1387500E-08	0.8158607E-05	0.1716620E-13	0.1087814	0.2288827E-09	0.9999285
0.1425000E-08	0.1500000E-08	0.1462500E-08	0.8575847E-05	0.1901946E-13	0.1143446	0.2535928E-09	0.9999204
0.1500000E-08	0.1600000E-08	0.1550000E-08	0.1207636E-04	0.2838528E-13	0.1207636	0.2838527E-09	0.9999118
0.1600000E-08	0.1700000E-08	0.1650000E-08	0.1280385E-04	0.3203686E-13	0.1280385	0.3203686E-09	0.9998997
0.1700000E-08	0.1800000E-08	0.1750000E-08	0.1352564E-04	0.3589395E-13	0.1352564	0.3589395E-09	0.9998869
0.1800000E-08	0.1900000E-08	0.1850000E-08	0.1424171E-04	0.3995389E-13	0.1424172	0.3995393E-09	0.9998733
0.1900000E-08	0.2000000E-08	0.1950000E-08	0.1495209E-04	0.4421421E-13	0.1495209	0.4421421E-09	0.9998591
0.2000000E-08	0.2100000E-08	0.2050000E-08	0.1565676E-04	0.4867222E-13	0.1565676	0.4867222E-09	0.9998441
0.2100000E-08	0.2200000E-08	0.2150000E-08	0.1635572E-04	0.5332532E-13	0.1635572	0.5332532E-09	0.9998285
0.2200000E-08	0.2300000E-08	0.2250000E-08	0.1704898E-04	0.5817098E-13	0.1704898	0.5817097E-09	0.9998121
0.2300000E-08	0.2400000E-08	0.2350000E-08	0.1773653E-04	0.6320652E-13	0.1773653	0.6320652E-09	0.9997951
0.2400000E-08	0.2550000E-08	0.2475000E-08	0.2788006E-04	0.1046391E-12	0.1858670	0.6975942E-09	0.9997773
0.2550000E-08	0.2700000E-08	0.2625000E-08	0.2939495E-04	0.1170112E-12	0.1959663	0.7800744E-09	0.9997494
0.2700000E-08	0.2800000E-08	0.2750000E-08	0.2042968E-04	0.8519608E-13	0.2042968	0.8519608E-09	0.9997200
0.2800000E-08	0.3000000E-08	0.2900000E-08	0.4283357E-04	0.1883682E-12	0.2141678	0.9418407E-09	0.9996996
0.3000000E-08	0.3200000E-08	0.3100000E-08	0.4542401E-04	0.2135367E-12	0.2271200	0.1067683E-08	0.9996567
0.3200000E-08	0.3400000E-08	0.3300000E-08	0.4797451E-04	0.2400766E-12	0.2398725	0.1200383E-08	0.9996113
0.3400000E-08	0.3600000E-08	0.3500000E-08	0.5047937E-04	0.2679213E-12	0.2523969	0.1339606E-08	0.9995633
0.3600000E-08	0.3800000E-08	0.3700000E-08	0.5294421E-04	0.2970609E-12	0.2647213	0.1485306E-08	0.9995129
0.3800000E-08	0.4000000E-08	0.3900000E-08	0.5536927E-04	0.3274603E-12	0.2768463	0.1637301E-08	0.9994599
0.4000000E-08	0.4250000E-08	0.4125000E-08	0.7253519E-04	0.4537305E-12	0.2901407	0.1814922E-08	0.9994045
0.4250000E-08	0.4500000E-08	0.4375000E-08	0.7617266E-04	0.5053619E-12	0.3046906	0.2021447E-08	0.9993320
0.4500000E-08	0.4750000E-08	0.4625000E-08	0.7973878E-04	0.5592508E-12	0.3189551	0.2237003E-08	0.9992558
0.4750000E-08	0.5000000E-08	0.4875000E-08	0.8323362E-04	0.6153167E-12	0.3329344	0.2461267E-08	0.9991761
0.5000000E-08	0.5250000E-08	0.5125000E-08	0.8665709E-04	0.6734778E-12	0.3466283	0.2693911E-08	0.9990929
0.5250000E-08	0.5500000E-08	0.5375000E-08	0.8993794E-04	0.7330721E-12	0.3597517	0.2932288E-08	0.9990062
0.5500000E-08	0.5750000E-08	0.5625000E-08	0.9321880E-04	0.7951541E-12	0.3728752	0.3180616E-08	0.9989163
0.5750000E-08	0.6000000E-08	0.5875000E-08	0.9642832E-04	0.8590882E-12	0.3857132	0.3436353E-08	0.9988230
0.6000000E-08	0.6300000E-08	0.6150000E-08	0.1198222E-03	0.1117474E-11	0.3994071	0.3724914E-08	0.9987266
0.6300000E-08	0.6600000E-08	0.6450000E-08	0.1241871E-03	0.1214679E-11	0.4139569	0.4048929E-08	0.9986068
0.6600000E-08	0.6900000E-08	0.6750000E-08	0.1283809E-03	0.1314103E-11	0.4279363	0.4380344E-08	0.9984826
0.6900000E-08	0.7200000E-08	0.7050000E-08	0.1324890E-03	0.1416428E-11	0.4416301	0.4721425E-08	0.9983542
0.7200000E-08	0.7600000E-08	0.7400000E-08	0.1829283E-03	0.2052759E-11	0.4573213	0.5131902E-08	0.9982217
0.7600000E-08	0.8000000E-08	0.7800000E-08	0.1897755E-03	0.2244709E-11	0.4744387	0.5611771E-08	0.9980388
0.8000000E-08	0.8400000E-08	0.8200000E-08	0.1963942E-03	0.2442125E-11	0.4909856	0.6105312E-08	0.9978490
0.8400000E-08	0.8800000E-08	0.8600000E-08	0.2026706E-03	0.2643106E-11	0.5066766	0.6607765E-08	0.9976526
0.8800000E-08	0.9200000E-08	0.9000000E-08	0.2088329E-03	0.2850144E-11	0.5220823	0.7125359E-08	0.9974499
0.9200000E-08	0.9600000E-08	0.9400000E-08	0.2146529E-03	0.3059777E-11	0.5366321	0.7649443E-08	0.9972411
0.9600000E-08	0.1000000E-07	0.9800000E-08	0.2202446E-03	0.3273080E-11	0.5506114	0.8182698E-08	0.9970264

0.1000000E-07	0.1050000E-07	0.1025000E-07	0.2828659E-03	0.4396730E-11	0.5657319	0.8793460E-08	0.9968062
0.1050000E-07	0.1100000E-07	0.1075000E-07	0.2908541E-03	0.4741425E-11	0.5617081	0.9482849E-08	0.9965233
0.1100000E-07	0.1150000E-07	0.1125000E-07	0.2984143E-03	0.5090934E-11	0.5968286	0.1018187E-07	0.9962325
0.1150000E-07	0.1200000E-07	0.1175000E-07	0.3055465E-03	0.5444280E-11	0.6110929	0.1088856E-07	0.9959340
0.1200000E-07	0.1275000E-07	0.1237500E-07	0.4709438E-03	0.8837707E-11	0.6279250	0.1178361E-07	0.9956285
0.1275000E-07	0.1350000E-07	0.1312500E-07	0.4848518E-03	0.9650140E-11	0.6464691	0.1286685E-07	0.9951575
0.1350000E-07	0.1425000E-07	0.1387500E-07	0.4974760E-03	0.1046720E-10	0.6633012	0.1395626E-07	0.9946727
0.1425000E-07	0.1500000E-07	0.1462500E-07	0.5090296E-03	0.1128923E-10	0.6787069	0.1505232E-07	0.9941753
0.1500000E-07	0.1600000E-07	0.1550000E-07	0.6946832E-03	0.1632841E-10	0.6946832	0.1632840E-07	0.9936662
0.1600000E-07	0.1700000E-07	0.1650000E-07	0.7109448E-03	0.1778874E-10	0.7109448	0.1778874E-07	0.9929715
0.1700000E-07	0.1800000E-07	0.1750000E-07	0.7246387E-03	0.1923025E-10	0.7246386	0.1923025E-07	0.9922606
0.1800000E-07	0.1900000E-07	0.1850000E-07	0.7363358E-03	0.2065727E-10	0.7363357	0.2065727E-07	0.9915360
0.1900000E-07	0.2000000E-07	0.1950000E-07	0.7460357E-03	0.2206071E-10	0.7460356	0.2206071E-07	0.9907996
0.2000000E-07	0.2100000E-07	0.2050000E-07	0.7537385E-03	0.2343149E-10	0.7537384	0.2343148E-07	0.9900536
0.2100000E-07	0.2200000E-07	0.2150000E-07	0.7600149E-03	0.2477912E-10	0.7600149	0.2477912E-07	0.9892998
0.2200000E-07	0.2300000E-07	0.2250000E-07	0.7642942E-03	0.2607765E-10	0.7642942	0.2607764E-07	0.9885398
0.2300000E-07	0.2400000E-07	0.2350000E-07	0.7674324E-03	0.2734849E-10	0.7674324	0.2734848E-07	0.9877755
0.2400000E-07	0.2550000E-07	0.2475000E-07	0.1153288E-02	0.4328509E-10	0.7688588	0.2885673E-07	0.9870081
0.2550000E-07	0.2700000E-07	0.2625000E-07	0.1152860E-02	0.4589140E-10	0.7685736	0.3059426E-07	0.9858548
0.2700000E-07	0.2800000E-07	0.2750000E-07	0.7662913E-03	0.3195596E-10	0.7662913	0.3195596E-07	0.9847019
0.2800000E-07	0.3000000E-07	0.2900000E-07	0.1522311E-02	0.6694630E-10	0.7611561	0.3347318E-07	0.9839357
0.3000000E-07	0.3200000E-07	0.3100000E-07	0.1503483E-02	0.7067821E-10	0.7517413	0.3533910E-07	0.9824134
0.3200000E-07	0.3400000E-07	0.3300000E-07	0.1478948E-02	0.7401029E-10	0.7394739	0.3700514E-07	0.9809099
0.3400000E-07	0.3600000E-07	0.3500000E-07	0.1449277E-02	0.7692099E-10	0.7246386	0.3846049E-07	0.9794309
0.3600000E-07	0.3800000E-07	0.3700000E-07	0.1415043E-02	0.7939564E-10	0.7075214	0.3969781E-07	0.9779816
0.3800000E-07	0.4000000E-07	0.3900000E-07	0.1377955E-02	0.8149387E-10	0.6889775	0.4074693E-07	0.9765666
0.4000000E-07	0.4250000E-07	0.4125000E-07	0.1666813E-02	0.1042644E-09	0.6667247	0.4170574E-07	0.9751887
0.4250000E-07	0.4500000E-07	0.4375000E-07	0.1601194E-02	0.1062300E-09	0.6404780	0.4249204E-07	0.9735219
0.4500000E-07	0.4750000E-07	0.4625000E-07	0.1533437E-02	0.1075482E-09	0.6133753	0.4301930E-07	0.9719207
0.4750000E-07	0.5000000E-07	0.4875000E-07	0.1464257E-02	0.1082473E-09	0.5857022	0.4329889E-07	0.9703872
0.5000000E-07	0.5250000E-07	0.5125000E-07	0.1397211E-02	0.1085878E-09	0.5588847	0.4343516E-07	0.9689230
0.5250000E-07	0.5500000E-07	0.5375000E-07	0.1336589E-02	0.1089436E-09	0.5346352	0.4357739E-07	0.9675258
0.5500000E-07	0.5750000E-07	0.5625000E-07	0.1280955E-02	0.1092652E-09	0.5123824	0.4370610E-07	0.9661892
0.5750000E-07	0.6000000E-07	0.5875000E-07	0.1230316E-02	0.1096099E-09	0.4921268	0.4384400E-07	0.9649082
0.6000000E-07	0.6300000E-07	0.6150000E-07	0.1414759E-02	0.1319419E-09	0.4715857	0.4398059E-07	0.9636779
0.6300000E-07	0.6600000E-07	0.6450000E-07	0.1353133E-02	0.1323505E-09	0.4510449	0.4411687E-07	0.9622632
0.6600000E-07	0.6900000E-07	0.6750000E-07	0.1296649E-02	0.1327246E-09	0.4322156	0.4424147E-07	0.9609100
0.6900000E-07	0.7200000E-07	0.7050000E-07	0.1242725E-02	0.1328586E-09	0.4142422	0.4428624E-07	0.9596134
0.7200000E-07	0.7600000E-07	0.7400000E-07	0.1575947E-02	0.1768473E-09	0.3939866	0.4421183E-07	0.9583707

0.7600000E-07	0.8000000E-07	0.7800000E-07	0.1490360E-02	0.1762832E-09	0.3725899	0.4407080E-07	0.9567947
0.8000000E-07	0.8400000E-07	0.8200000E-07	0.1412760E-02	0.1756740E-09	0.3531900	0.4391851E-07	0.9553044
0.8400000E-07	0.8800000E-07	0.8600000E-07	0.1343149E-02	0.1751653E-09	0.3357873	0.4379132E-07	0.9538916
0.8800000E-07	0.9200000E-07	0.9000000E-07	0.1280385E-02	0.1747465E-09	0.3200963	0.4368663E-07	0.9525485
0.9200000E-07	0.9600000E-07	0.9400000E-07	0.1222186E-02	0.1742169E-09	0.3055464	0.4355423E-07	0.9512681
0.9600000E-07	0.1000000E-06	0.9800000E-07	0.1169693E-02	0.1738294E-09	0.2924231	0.4345733E-07	0.9500459
0.1000000E-06	0.1050000E-06	0.1025000E-06	0.1395642E-02	0.2169317E-09	0.2791285	0.4338637E-07	0.9488763
0.1050000E-06	0.1100000E-06	0.1075000E-06	0.1329599E-02	0.2167477E-09	0.2659196	0.4334951E-07	0.9474806
0.1100000E-06	0.1150000E-06	0.1125000E-06	0.1269686E-02	0.2166078E-09	0.2539373	0.4332158E-07	0.9461510
0.1150000E-06	0.1200000E-06	0.1175000E-06	0.1214767E-02	0.2164493E-09	0.2429536	0.4328989E-07	0.9448813
0.1200000E-06	0.1275000E-06	0.1237500E-06	0.1728864E-02	0.3244378E-09	0.2305150	0.4325833E-07	0.9436666
0.1275000E-06	0.1350000E-06	0.1312500E-06	0.1628509E-02	0.3241268E-09	0.2171348	0.4321695E-07	0.9419377
0.1350000E-06	0.1425000E-06	0.1387500E-06	0.1539074E-02	0.3238306E-09	0.2052097	0.4317737E-07	0.9403092
0.1425000E-06	0.1500000E-06	0.1462500E-06	0.1458836E-02	0.3235397E-09	0.1945113	0.4313860E-07	0.9387701
0.1500000E-06	0.1600000E-06	0.1550000E-06	0.1833849E-02	0.4310430E-09	0.1833850	0.4310433E-07	0.9373113
0.1600000E-06	0.1700000E-06	0.1650000E-06	0.1720876E-02	0.4305848E-09	0.1720874	0.4305845E-07	0.9354774
0.1700000E-06	0.1800000E-06	0.1750000E-06	0.1621307E-02	0.4302577E-09	0.1621308	0.4302580E-07	0.9337565
0.1800000E-06	0.1900000E-06	0.1850000E-06	0.1532011E-02	0.4297926E-09	0.1532012	0.4297929E-07	0.9321352
0.1900000E-06	0.2000000E-06	0.1950000E-06	0.1452131E-02	0.4294037E-09	0.1452130	0.4294033E-07	0.9306032
0.2000000E-06	0.2100000E-06	0.2050000E-06	0.1382804E-02	0.4298727E-09	0.1382805	0.4298730E-07	0.9291511
0.2100000E-06	0.2200000E-06	0.2150000E-06	0.1322039E-02	0.4310305E-09	0.1322038	0.4310302E-07	0.9277682
0.2200000E-06	0.2300000E-06	0.2250000E-06	0.1266120E-02	0.4319990E-09	0.1266121	0.4319993E-07	0.9264462
0.2300000E-06	0.2400000E-06	0.2350000E-06	0.1214767E-02	0.4328986E-09	0.1214768	0.4328989E-07	0.9251801
0.2400000E-06	0.2550000E-06	0.2475000E-06	0.1733999E-02	0.6508025E-09	0.1155998	0.4338680E-07	0.9239653
0.2550000E-06	0.2700000E-06	0.2625000E-06	0.1635571E-02	0.6510647E-09	0.1090382	0.4340436E-07	0.9222313
0.2700000E-06	0.2800000E-06	0.2750000E-06	0.1039030E-02	0.4332973E-09	0.1039029	0.4332970E-07	0.9205958
0.2800000E-06	0.3000000E-06	0.2900000E-06	0.1967938E-02	0.8654356E-09	0.9839683E-01	0.4327174E-07	0.9195567
0.3000000E-06	0.3200000E-06	0.3100000E-06	0.1837843E-02	0.8639635E-09	0.9189220E-01	0.4319820E-07	0.9175888
0.3200000E-06	0.3400000E-06	0.3300000E-06	0.1722588E-02	0.8620265E-09	0.8612932E-01	0.4310129E-07	0.9157509
0.3400000E-06	0.3600000E-06	0.3500000E-06	0.1621022E-02	0.8603638E-09	0.8105113E-01	0.4301821E-07	0.9140283
0.3600000E-06	0.3800000E-06	0.3700000E-06	0.1530870E-02	0.8589447E-09	0.7654353E-01	0.4294727E-07	0.9124073
0.3800000E-06	0.4000000E-06	0.3900000E-06	0.1451561E-02	0.8584702E-09	0.7257800E-01	0.4292348E-07	0.9108765
0.4000000E-06	0.4250000E-06	0.4125000E-06	0.1714597E-02	0.1072535E-08	0.6858392E-01	0.4290141E-07	0.9094249
0.4250000E-06	0.4500000E-06	0.4375000E-06	0.1615459E-02	0.1071764E-08	0.6461836E-01	0.4287057E-07	0.9077103
0.4500000E-06	0.4750000E-06	0.4625000E-06	0.1527734E-02	0.1071482E-08	0.6110930E-01	0.4285923E-07	0.9060948
0.4750000E-06	0.5000000E-06	0.4875000E-06	0.1449277E-02	0.1071399E-08	0.5797109E-01	0.4285597E-07	0.9045671
0.5000000E-06	0.5250000E-06	0.5125000E-06	0.1380809E-02	0.1073131E-08	0.5523231E-01	0.4292521E-07	0.9031178
0.5250000E-06	0.5500000E-06	0.5375000E-06	0.1321608E-02	0.1077225E-08	0.5286439E-01	0.4308906E-07	0.9017370
0.5500000E-06	0.5750000E-06	0.5625000E-06	0.1267406E-02	0.1081094E-08	0.5069618E-01	0.4324372E-07	0.9004154

0.5750000E-06	0.6000000E-06	0.5875000E-06	0.1217480E-02	0.1084663E-08	0.4869914E-01	0.4338649E-07	0.8991480
0.6000000E-06	0.6300000E-06	0.6150000E-06	0.1400206E-02	0.1305847E-08	0.4667358E-01	0.4352828E-07	0.8979305
0.6300000E-06	0.6600000E-06	0.6450000E-06	0.1340297E-02	0.1310950E-08	0.4467654E-01	0.4369830E-07	0.8965303
0.6600000E-06	0.6900000E-06	0.6750000E-06	0.1284663E-02	0.1314978E-08	0.4282216E-01	0.4383264E-07	0.8951900
0.6900000E-06	0.7200000E-06	0.7050000E-06	0.1234169E-02	0.1319438E-08	0.4113893E-01	0.4398123E-07	0.8939053
0.7200000E-06	0.7600000E-06	0.7400000E-06	0.1571381E-02	0.1763350E-08	0.3928455E-01	0.4408378E-07	0.8926712
0.7600000E-06	0.8000000E-06	0.7800000E-06	0.1494925E-02	0.1768233E-08	0.3737311E-01	0.4420578E-07	0.8910998
0.8000000E-06	0.8400000E-06	0.8200000E-06	0.1425312E-02	0.1772348E-08	0.3563282E-01	0.4430873E-07	0.8896049
0.8400000E-06	0.8800000E-06	0.8600000E-06	0.1362550E-02	0.1776954E-08	0.3406373E-01	0.4442382E-07	0.8881795
0.8800000E-06	0.9200000E-06	0.9000000E-06	0.1304349E-02	0.1780170E-08	0.3260874E-01	0.4450429E-07	0.8868170
0.9200000E-06	0.9600000E-06	0.9399999E-06	0.1251855E-02	0.1784462E-08	0.3129640E-01	0.4461157E-07	0.8855127
0.9600000E-06	0.1000000E-05	0.9800000E-06	0.1202787E-02	0.1787475E-08	0.3006965E-01	0.4468685E-07	0.8842608
0.1000000E-05	0.1050000E-05	0.1025000E-05	0.1440720E-02	0.2239385E-08	0.2881437E-01	0.4478766E-07	0.8830580
0.1050000E-05	0.1100000E-05	0.1075000E-05	0.1378095E-02	0.2246534E-08	0.2756195E-01	0.4493075E-07	0.8816173
0.1100000E-05	0.1150000E-05	0.1125000E-05	0.1320470E-02	0.2252715E-08	0.2640937E-01	0.4505427E-07	0.8802392
0.1150000E-05	0.1200000E-05	0.1175000E-05	0.1267691E-02	0.2258793E-08	0.2535379E-01	0.4517583E-07	0.8789187
0.1200000E-05	0.1275000E-05	0.1237500E-05	0.1811240E-02	0.3398963E-08	0.2414986E-01	0.4531951E-07	0.8776510
0.1275000E-05	0.1350000E-05	0.1312500E-05	0.1713885E-02	0.3411194E-08	0.2285180E-01	0.4548258E-07	0.8758398
0.1350000E-05	0.1425000E-05	0.1387500E-05	0.1626586E-02	0.3422436E-08	0.2168781E-01	0.4563248E-07	0.8741259
0.1425000E-05	0.1500000E-05	0.1462500E-05	0.1548060E-02	0.3433277E-08	0.2064079E-01	0.4577702E-07	0.8724993
0.1500000E-05	0.1600000E-05	0.1550000E-05	0.1955098E-02	0.4595422E-08	0.1955098E-01	0.4595423E-07	0.8709512
0.1600000E-05	0.1700000E-05	0.1650000E-05	0.1843548E-02	0.4612791E-08	0.1843549E-01	0.4612793E-07	0.8689961
0.1700000E-05	0.1800000E-05	0.1750000E-05	0.1744553E-02	0.4629642E-08	0.1744553E-01	0.4629644E-07	0.8671526
0.1800000E-05	0.1900000E-05	0.1850000E-05	0.1655830E-02	0.4645288E-08	0.1655828E-01	0.4645285E-07	0.8654080
0.1900000E-05	0.2000000E-05	0.1950000E-05	0.1575946E-02	0.4660164E-08	0.1575946E-01	0.4660165E-07	0.8637522
0.2000000E-05	0.2100000E-05	0.2050000E-05	0.1499775E-02	0.4662356E-08	0.1499774E-01	0.4662352E-07	0.8621762
0.2100000E-05	0.2200000E-05	0.2150000E-05	0.1426737E-02	0.4651657E-08	0.1426739E-01	0.4651664E-07	0.8606765
0.2200000E-05	0.2300000E-05	0.2250000E-05	0.1360553E-02	0.4642194E-08	0.1360552E-01	0.4642190E-07	0.8592497
0.2300000E-05	0.2400000E-05	0.2350000E-05	0.1300071E-02	0.4632978E-08	0.1300070E-01	0.4632975E-07	0.8578892
0.2400000E-05	0.2550000E-05	0.2475000E-05	0.1847829E-02	0.6935254E-08	0.1231886E-01	0.4623502E-07	0.8565891
0.2550000E-05	0.2700000E-05	0.2625000E-05	0.1737422E-02	0.6916078E-08	0.1158281E-01	0.4610719E-07	0.8547413
0.2700000E-05	0.2800000E-05	0.2750000E-05	0.1103504E-02	0.4601842E-08	0.1103505E-01	0.4601849E-07	0.8530039
0.2800000E-05	0.3000000E-05	0.2900000E-05	0.2089472E-02	0.9188822E-08	0.1044735E-01	0.4594408E-07	0.8519003
0.3000000E-05	0.3200000E-05	0.3100000E-05	0.1955953E-02	0.9194868E-08	0.9779771E-02	0.4597436E-07	0.8498108
0.3200000E-05	0.3400000E-05	0.3300000E-05	0.1844690E-02	0.9231296E-08	0.9223453E-02	0.4615650E-07	0.8478549
0.3400000E-05	0.3600000E-05	0.3500000E-05	0.1747121E-02	0.9272915E-08	0.8735607E-02	0.4636459E-07	0.8460102
0.3600000E-05	0.3800000E-05	0.3700000E-05	0.1663247E-02	0.9332193E-08	0.8316227E-02	0.4666093E-07	0.8442631
0.3800000E-05	0.4000000E-05	0.3900000E-05	0.1593064E-02	0.9421566E-08	0.7965322E-02	0.4710785E-07	0.8425998
0.4000000E-05	0.4250000E-05	0.4125000E-05	0.1916442E-02	0.1198795E-07	0.7665765E-02	0.4795178E-07	0.8410068

0.4250000E-05	0.4500000E-05	0.4375000E-05	0.1845119E-02	0.1224131E-07	0.7380473E-02	0.4896521E-07	0.8390903
0.4500000E-05	0.4750000E-05	0.4625000E-05	0.1750970E-02	0.1228049E-07	0.7003889E-02	0.4912203E-07	0.8372452
0.4750000E-05	0.5000000E-05	0.4875000E-05	0.1664673E-02	0.1230634E-07	0.6658690E-02	0.4922534E-07	0.8354942
0.5000000E-05	0.5250000E-05	0.5125000E-05	0.1582652E-02	0.1229998E-07	0.6330604E-02	0.4919990E-07	0.8338295
0.5250000E-05	0.5500000E-05	0.5375000E-05	0.1502770E-02	0.1224888E-07	0.6011079E-02	0.4899550E-07	0.8322469
0.5500000E-05	0.5750000E-05	0.5625000E-05	0.1412903E-02	0.1205203E-07	0.5651611E-02	0.4820811E-07	0.8307441
0.5750000E-05	0.6000000E-05	0.5875000E-05	0.1320897E-02	0.1176799E-07	0.5283586E-02	0.4707193E-07	0.8293312
0.6000000E-05	0.6300000E-05	0.6150000E-05	0.1493498E-02	0.1392852E-07	0.4978326E-02	0.4642840E-07	0.8280103
0.6300000E-05	0.6600000E-05	0.6450000E-05	0.1410476E-02	0.1379592E-07	0.4701593E-02	0.4598646E-07	0.8265168
0.6600000E-05	0.6900000E-05	0.6750000E-05	0.1337729E-02	0.1369296E-07	0.4459097E-02	0.4564318E-07	0.8251063
0.6900000E-05	0.7200000E-05	0.7050000E-05	0.1274394E-02	0.1362443E-07	0.4247981E-02	0.4541475E-07	0.8237686
0.7200000E-05	0.7600000E-05	0.7400000E-05	0.1613606E-02	0.1810734E-07	0.4034013E-02	0.4526831E-07	0.8224942
0.7600000E-05	0.8000000E-05	0.7800000E-05	0.1525735E-02	0.1804675E-07	0.3814339E-02	0.4511689E-07	0.8208806
0.8000000E-05	0.8400000E-05	0.8200001E-05	0.1448137E-02	0.1800731E-07	0.3620340E-02	0.4501825E-07	0.8193548
0.8400000E-05	0.8800000E-05	0.8600000E-05	0.1377382E-02	0.1796297E-07	0.3443460E-02	0.4490749E-07	0.8179067
0.8800000E-05	0.9200000E-05	0.8999999E-05	0.1313480E-02	0.1792632E-07	0.3283697E-02	0.4481577E-07	0.8165293
0.9200000E-05	0.9600000E-05	0.9400001E-05	0.1255281E-02	0.1789345E-07	0.3138199E-02	0.4473358E-07	0.8152158
0.9600000E-05	0.1000000E-04	0.9800000E-05	0.1201643E-02	0.1785776E-07	0.3004112E-02	0.4464446E-07	0.8139605
0.1000000E-04	0.1050000E-04	0.1025000E-04	0.1429308E-02	0.2221646E-07	0.2858614E-02	0.4443291E-07	0.8127589
0.1050000E-04	0.1100000E-04	0.1075000E-04	0.1351994E-02	0.2203984E-07	0.2703986E-02	0.4407966E-07	0.8113295
0.1100000E-04	0.1150000E-04	0.1125000E-04	0.1282098E-02	0.2187252E-07	0.2564194E-02	0.4374503E-07	0.8099775
0.1150000E-04	0.1200000E-04	0.1175000E-04	0.1218477E-02	0.2171104E-07	0.2436954E-02	0.4342207E-07	0.8086954
0.1200000E-04	0.1275000E-04	0.1237500E-04	0.1720944E-02	0.3229515E-07	0.2294594E-02	0.4306024E-07	0.8074769
0.1275000E-04	0.1350000E-04	0.1312500E-04	0.1606901E-02	0.3198260E-07	0.2142534E-02	0.4264345E-07	0.8057560
0.1350000E-04	0.1425000E-04	0.1387500E-04	0.1505909E-02	0.3168523E-07	0.2007877E-02	0.4224696E-07	0.8041491
0.1425000E-04	0.1500000E-04	0.1462500E-04	0.1416254E-02	0.3140959E-07	0.1888340E-02	0.4187949E-07	0.8026432
0.1500000E-04	0.1600000E-04	0.1550000E-04	0.1764810E-02	0.4148154E-07	0.1764809E-02	0.4148153E-07	0.8012269
0.1600000E-04	0.1700000E-04	0.1650000E-04	0.1640708E-02	0.4105258E-07	0.1640707E-02	0.4105257E-07	0.7994621
0.1700000E-04	0.1800000E-04	0.1750000E-04	0.1531728E-02	0.4064854E-07	0.1531727E-02	0.4064852E-07	0.7978213
0.1800000E-04	0.1900000E-04	0.1850000E-04	0.1435581E-02	0.4027399E-07	0.1435583E-02	0.4027405E-07	0.7962896
0.1900000E-04	0.2000000E-04	0.1950000E-04	0.1349997E-02	0.3992018E-07	0.1349996E-02	0.3992017E-07	0.7948540
0.2000000E-04	0.2100000E-04	0.2050000E-04	0.1269830E-02	0.3947522E-07	0.1269829E-02	0.3947521E-07	0.7935041
0.2100000E-04	0.2200000E-04	0.2150000E-04	0.1194514E-02	0.3894528E-07	0.1194513E-02	0.3894527E-07	0.7922342
0.2200000E-04	0.2300000E-04	0.2250000E-04	0.1126613E-02	0.3843994E-07	0.1126613E-02	0.3843993E-07	0.7910397
0.2300000E-04	0.2400000E-04	0.2350000E-04	0.1065276E-02	0.3796256E-07	0.1065276E-02	0.3796255E-07	0.7899131
0.2400000E-04	0.2550000E-04	0.2475000E-04	0.1495636E-02	0.5613406E-07	0.9970916E-03	0.3742274E-07	0.7888479
0.2550000E-04	0.2700000E-04	0.2625000E-04	0.1386514E-02	0.5519235E-07	0.9243423E-03	0.3679489E-07	0.7873522
0.2700000E-04	0.2800000E-04	0.2750000E-04	0.8704227E-03	0.3629846E-07	0.8704224E-03	0.3629845E-07	0.7859657
0.2800000E-04	0.3000000E-04	0.2900000E-04	0.1626728E-02	0.7153821E-07	0.8133642E-03	0.3576912E-07	0.7850953

0.3000000E-04	0.3200000E-04	0.3100000E-04	0.1506336E-02	0.7081233E-07	0.7531678E-03	0.3540615E-07	0.7834685
0.3200000E-04	0.3400000E-04	0.3300000E-04	0.1414472E-02	0.7078377E-07	0.7072359E-03	0.3539187E-07	0.7819622
0.3400000E-04	0.3600000E-04	0.3500000E-04	0.1333450E-02	0.7077339E-07	0.6667247E-03	0.3538668E-07	0.7805477
0.3600000E-04	0.3800000E-04	0.3700000E-04	0.1260413E-02	0.7071962E-07	0.6302075E-03	0.3535986E-07	0.7792143
0.3800000E-04	0.4000000E-04	0.3900000E-04	0.1195369E-02	0.7069554E-07	0.5976845E-03	0.3534776E-07	0.7779539
0.4000000E-04	0.4250000E-04	0.4125000E-04	0.1412190E-02	0.8833695E-07	0.5648758E-03	0.3533477E-07	0.7767585
0.4250000E-04	0.4500000E-04	0.4375000E-04	0.1330882E-02	0.8829640E-07	0.5323527E-03	0.3531855E-07	0.7753463
0.4500000E-04	0.4750000E-04	0.4625000E-04	0.1258846E-02	0.8828965E-07	0.5035384E-03	0.3531585E-07	0.7740154
0.4750000E-04	0.5000000E-04	0.4875000E-04	0.1193941E-02	0.8826382E-07	0.4775769E-03	0.3530557E-07	0.7727566
0.5000000E-04	0.5250000E-04	0.5125000E-04	0.1133318E-02	0.8807873E-07	0.4533271E-03	0.3523148E-07	0.7715626
0.5250000E-04	0.5500000E-04	0.5375000E-04	0.1084819E-02	0.8842213E-07	0.4339273E-03	0.3536884E-07	0.7704293
0.5500000E-04	0.5750000E-04	0.5625000E-04	0.1060569E-02	0.9046628E-07	0.4242274E-03	0.3618650E-07	0.7693445
0.5750000E-04	0.6000000E-04	0.5875000E-04	0.1012068E-02	0.9016603E-07	0.4048278E-03	0.3606645E-07	0.7682840
0.6000000E-04	0.6300000E-04	0.6150000E-04	0.1155428E-02	0.1077565E-06	0.3851427E-03	0.3591882E-07	0.7672719
0.6300000E-04	0.6600000E-04	0.6450000E-04	0.1097229E-02	0.1073204E-06	0.3657428E-03	0.3577345E-07	0.7661164
0.6600000E-04	0.6900000E-04	0.6750000E-04	0.1039886E-02	0.1064424E-06	0.3466285E-03	0.3548078E-07	0.7650192
0.6900000E-04	0.7200000E-04	0.7050000E-04	0.9602893E-03	0.1026636E-06	0.3200964E-03	0.3422119E-07	0.7639794
0.7200000E-04	0.7600000E-04	0.7400000E-04	0.1200502E-02	0.1347162E-06	0.3001259E-03	0.3367910E-07	0.7630191
0.7600000E-04	0.8000000E-04	0.7800000E-04	0.1116971E-02	0.1321179E-06	0.2792426E-03	0.3302947E-07	0.7618186
0.8000000E-04	0.8400000E-04	0.8200000E-04	0.1043138E-02	0.1297122E-06	0.2607843E-03	0.3242803E-07	0.7607016
0.8400000E-04	0.8800000E-04	0.8600000E-04	0.9775208E-03	0.1274823E-06	0.2443801E-03	0.3187056E-07	0.7596585
0.8800000E-04	0.9200000E-04	0.9000000E-04	0.9114476E-03	0.1243940E-06	0.2278618E-03	0.3109850E-07	0.7586809
0.9200000E-04	0.9600000E-04	0.9400000E-04	0.8589540E-03	0.1224399E-06	0.2147384E-03	0.3060997E-07	0.7577695
0.9600000E-04	0.1000000E-03	0.9800000E-04	0.8138765E-03	0.1209511E-06	0.2034694E-03	0.3023783E-07	0.7569105
0.1000000E-03	0.1050000E-03	0.1025000E-03	0.9682775E-03	0.1505043E-06	0.1936554E-03	0.3010085E-07	0.7560966
0.1050000E-03	0.1100000E-03	0.1075000E-03	0.9289075E-03	0.1514280E-06	0.1857814E-03	0.3028559E-07	0.7551283
0.1100000E-03	0.1150000E-03	0.1125000E-03	0.8932459E-03	0.1523873E-06	0.1786491E-03	0.3047745E-07	0.7541994
0.1150000E-03	0.1200000E-03	0.1175000E-03	0.8602937E-03	0.1532886E-06	0.1720589E-03	0.3065776E-07	0.7533062
0.1200000E-03	0.1275000E-03	0.1237500E-03	0.1233312E-02	0.2314427E-06	0.1644416E-03	0.3085903E-07	0.7524459
0.1275000E-03	0.1350000E-03	0.1312500E-03	0.1171689E-02	0.2332045E-06	0.1562252E-03	0.3109394E-07	0.7512126
0.1350000E-03	0.1425000E-03	0.1387500E-03	0.1116485E-02	0.2349152E-06	0.1488647E-03	0.3132203E-07	0.7500409
0.1425000E-03	0.1500000E-03	0.1462500E-03	0.1066633E-02	0.2365573E-06	0.1422175E-03	0.3154091E-07	0.7489244
0.1500000E-03	0.1600000E-03	0.1550000E-03	0.1351992E-02	0.3177832E-06	0.1351993E-03	0.3177836E-07	0.7478577
0.1600000E-03	0.1700000E-03	0.1650000E-03	0.1279530E-02	0.3201545E-06	0.1279529E-03	0.3201544E-07	0.7465057
0.1700000E-03	0.1800000E-03	0.1750000E-03	0.1214484E-02	0.3222960E-06	0.1214483E-03	0.3222959E-07	0.7452262
0.1800000E-03	0.1900000E-03	0.1850000E-03	0.1150578E-02	0.3227850E-06	0.1150578E-03	0.3227849E-07	0.7440117
0.1900000E-03	0.2000000E-03	0.1950000E-03	0.1087813E-02	0.3216726E-06	0.1087814E-03	0.3216730E-07	0.7428611
0.2000000E-03	0.2100000E-03	0.2050000E-03	0.1036747E-02	0.3222939E-06	0.1036747E-03	0.3222938E-07	0.7417733
0.2100000E-03	0.2200000E-03	0.2150000E-03	0.9888184E-03	0.3223890E-06	0.9888181E-04	0.3223889E-07	0.7407365

0.2200000E-03	0.2300000E-03	0.2250000E-03	0.9448836E-03	0.3223934E-06	0.9448833E-04	0.3223932E-07	0.7397477
0.2300000E-03	0.2400000E-03	0.2350000E-03	0.9057975E-03	0.3227931E-06	0.9057986E-04	0.3227935E-07	0.7388028
0.2400000E-03	0.2550000E-03	0.2475000E-03	0.1288944E-02	0.4837650E-06	0.8592959E-04	0.3225101E-07	0.7378970
0.2550000E-03	0.2700000E-03	0.2625000E-03	0.1211487E-02	0.4822514E-06	0.8076583E-04	0.3215010E-07	0.7366080
0.2700000E-03	0.2800000E-03	0.2750000E-03	0.7603015E-03	0.3170617E-06	0.7603002E-04	0.3170612E-07	0.7353966
0.2800000E-03	0.3000000E-03	0.2900000E-03	0.1427025E-02	0.6275595E-06	0.7135123E-04	0.3137797E-07	0.7346362
0.3000000E-03	0.3200000E-03	0.3100000E-03	0.1338013E-02	0.6289950E-06	0.6690071E-04	0.3144978E-07	0.7332092
0.3200000E-03	0.3400000E-03	0.3300000E-03	0.1263268E-02	0.6321713E-06	0.6316339E-04	0.3160855E-07	0.7318712
0.3400000E-03	0.3600000E-03	0.3500000E-03	0.1195940E-02	0.6347499E-06	0.5979697E-04	0.3173749E-07	0.7306079
0.3600000E-03	0.3800000E-03	0.3700000E-03	0.1137170E-02	0.6380465E-06	0.5685846E-04	0.3190231E-07	0.7294120
0.3800000E-03	0.4000000E-03	0.3900000E-03	0.1089810E-02	0.6445263E-06	0.5449056E-04	0.3222635E-07	0.7282748
0.4000000E-03	0.4250000E-03	0.4125000E-03	0.1329456E-02	0.8316169E-06	0.5317821E-04	0.3326466E-07	0.7271850
0.4250000E-03	0.4500000E-03	0.4375000E-03	0.1292367E-02	0.8574112E-06	0.5169470E-04	0.3429646E-07	0.7258555
0.4500000E-03	0.4750000E-03	0.4625000E-03	0.1248148E-02	0.8753933E-06	0.4992590E-04	0.3501571E-07	0.7245631
0.4750000E-03	0.5000000E-03	0.4875000E-03	0.1206781E-02	0.8921305E-06	0.4827121E-04	0.3568520E-07	0.7233150
0.5000000E-03	0.5250000E-03	0.5125000E-03	0.1196793E-02	0.9301185E-06	0.4787181E-04	0.3720480E-07	0.7221082
0.5250000E-03	0.5500000E-03	0.5375000E-03	0.1223185E-02	0.9970018E-06	0.4892737E-04	0.3988005E-07	0.7209114
0.5500000E-03	0.5750000E-03	0.5625000E-03	0.1178965E-02	0.1005654E-05	0.4715858E-04	0.4022615E-07	0.7196882
0.5750000E-03	0.6000000E-03	0.5875000E-03	0.1138311E-02	0.1014131E-05	0.4553242E-04	0.4056522E-07	0.7185093
0.6000000E-03	0.6300000E-03	0.6150000E-03	0.1317187E-02	0.1228423E-05	0.4390625E-04	0.4094744E-07	0.7173709
0.6300000E-03	0.6600000E-03	0.6450000E-03	0.1267547E-02	0.1239793E-05	0.4225157E-04	0.4132643E-07	0.7160537
0.6600000E-03	0.6900000E-03	0.6750000E-03	0.1169122E-02	0.1196709E-05	0.3897073E-04	0.3989032E-07	0.7147862
0.6900000E-03	0.7200000E-03	0.7050000E-03	0.1124616E-02	0.1202316E-05	0.3748721E-04	0.4007722E-07	0.7136170
0.7200000E-03	0.7600000E-03	0.7400000E-03	0.1415043E-02	0.1587913E-05	0.3537607E-04	0.3969781E-07	0.7124924
0.7600000E-03	0.8000000E-03	0.7800000E-03	0.1347713E-02	0.1594106E-05	0.3369285E-04	0.3985269E-07	0.7110774
0.8000000E-03	0.8400000E-03	0.8200000E-03	0.1286091E-02	0.1599230E-05	0.3215227E-04	0.3998074E-07	0.7097297
0.8400000E-03	0.8800000E-03	0.8600000E-03	0.1232457E-02	0.1607295E-05	0.3081141E-04	0.4018235E-07	0.7084436
0.8800000E-03	0.9200000E-03	0.9000000E-03	0.1195940E-02	0.1632214E-05	0.2989848E-04	0.4080533E-07	0.7072111
0.9200000E-03	0.9600000E-03	0.9400000E-03	0.1132375E-02	0.1614149E-05	0.2830941E-04	0.4035376E-07	0.7060152
0.9600000E-03	0.1000000E-02	0.9800000E-03	0.1028418E-02	0.1528344E-05	0.2571041E-04	0.3820853E-07	0.7048828
0.1000000E-02	0.1050000E-02	0.1025000E-02	0.1218618E-02	0.1894161E-05	0.2437240E-04	0.3788328E-07	0.7038544
0.1050000E-02	0.1100000E-02	0.1075000E-02	0.1166412E-02	0.1901454E-05	0.2332823E-04	0.3802906E-07	0.7026358
0.1100000E-02	0.1150000E-02	0.1125000E-02	0.1108783E-02	0.1891579E-05	0.2217565E-04	0.3783156E-07	0.7014694
0.1150000E-02	0.1200000E-02	0.1175000E-02	0.1067559E-02	0.1902195E-05	0.2135116E-04	0.3804387E-07	0.7003606
0.1200000E-02	0.1275000E-02	0.1237500E-02	0.1558116E-02	0.2923952E-05	0.2077488E-04	0.3898603E-07	0.6992930
0.1275000E-02	0.1350000E-02	0.1312500E-02	0.1545492E-02	0.3076036E-05	0.2060656E-04	0.4101382E-07	0.6977349
0.1350000E-02	0.1425000E-02	0.1387500E-02	0.1471245E-02	0.3095589E-05	0.1961660E-04	0.4127453E-07	0.6961894
0.1425000E-02	0.1500000E-02	0.1462500E-02	0.1400422E-02	0.3105847E-05	0.1867229E-04	0.4141130E-07	0.6947182
0.1500000E-02	0.1600000E-02	0.1550000E-02	0.1769087E-02	0.4158208E-05	0.1769088E-04	0.4158211E-07	0.6933178

0.1600000E-02	0.1700000E-02	0.1650000E-02	0.1665814E-02	0.4168078E-05	0.1665813E-04	0.4168076E-07	0.6915487
0.1700000E-02	0.1800000E-02	0.1750000E-02	0.1589354E-02	0.4217782E-05	0.1589355E-04	0.4217784E-07	0.6898829
0.1800000E-02	0.1900000E-02	0.1850000E-02	0.1553695E-02	0.4358759E-05	0.1553694E-04	0.4358756E-07	0.6882935
0.1900000E-02	0.2000000E-02	0.1950000E-02	0.1473528E-02	0.4357309E-05	0.1473527E-04	0.4357306E-07	0.6867398
0.2000000E-02	0.2100000E-02	0.2050000E-02	0.1402773E-02	0.4360803E-05	0.1402775E-04	0.4360810E-07	0.6852663
0.2100000E-02	0.2200000E-02	0.2150000E-02	0.1343150E-02	0.4379134E-05	0.1343149E-04	0.4379132E-07	0.6838635
0.2200000E-02	0.2300000E-02	0.2250000E-02	0.1274110E-02	0.4347251E-05	0.1274109E-04	0.4347248E-07	0.6825203
0.2300000E-02	0.2400000E-02	0.2350000E-02	0.1225896E-02	0.4368645E-05	0.1225895E-04	0.4368642E-07	0.6812462
0.2400000E-02	0.2550000E-02	0.2475000E-02	0.1751542E-02	0.6573870E-05	0.1167695E-04	0.4382581E-07	0.6800203
0.2550000E-02	0.2700000E-02	0.2625000E-02	0.1662960E-02	0.6619671E-05	0.1108640E-04	0.4413115E-07	0.6782688
0.2700000E-02	0.2800000E-02	0.2750000E-02	0.1071836E-02	0.4469784E-05	0.1071838E-04	0.4469791E-07	0.6766058
0.2800000E-02	0.3000000E-02	0.2900000E-02	0.2074636E-02	0.9123576E-05	0.1037317E-04	0.4561785E-07	0.6755340
0.3000000E-02	0.3200000E-02	0.3100000E-02	0.1951959E-02	0.9176089E-05	0.9759800E-05	0.4588047E-07	0.6734594
0.3200000E-02	0.3400000E-02	0.3300000E-02	0.1881209E-02	0.9414044E-05	0.9406040E-05	0.4707019E-07	0.6715074
0.3400000E-02	0.3600000E-02	0.3500000E-02	0.1849254E-02	0.9814993E-05	0.9246277E-05	0.4907499E-07	0.6696262
0.3600000E-02	0.3800000E-02	0.3700000E-02	0.1819586E-02	0.1020939E-04	0.9097926E-05	0.5104690E-07	0.6677770
0.3800000E-02	0.4000000E-02	0.3900000E-02	0.1794481E-02	0.1061277E-04	0.8972398E-05	0.5306381E-07	0.6659574
0.4000000E-02	0.4250000E-02	0.4125000E-02	0.2167498E-02	0.1355838E-04	0.8669989E-05	0.5423352E-07	0.6641629
0.4250000E-02	0.4500000E-02	0.4375000E-02	0.2094031E-02	0.1389269E-04	0.8376139E-05	0.5557087E-07	0.6619954
0.4500000E-02	0.4750000E-02	0.4625000E-02	0.2020573E-02	0.1417136E-04	0.8082288E-05	0.5668542E-07	0.6599014
0.4750000E-02	0.5000000E-02	0.4875000E-02	0.1964228E-02	0.1452084E-04	0.7856910E-05	0.5808334E-07	0.6578808
0.5000000E-02	0.5250000E-02	0.5125000E-02	0.1877927E-02	0.1459479E-04	0.7511707E-05	0.5837916E-07	0.6559166
0.5250000E-02	0.5500000E-02	0.5375000E-02	0.1809457E-02	0.1474865E-04	0.7237829E-05	0.5899457E-07	0.6540387
0.5500000E-02	0.5750000E-02	0.5625000E-02	0.1737421E-02	0.1482016E-04	0.6949685E-05	0.5928065E-07	0.6522292
0.5750000E-02	0.6000000E-02	0.5875000E-02	0.1664673E-02	0.1483071E-04	0.6658689E-05	0.5932283E-07	0.6504918
0.6000000E-02	0.6300000E-02	0.6150000E-02	0.1897469E-02	0.1769600E-04	0.6324898E-05	0.5898668E-07	0.6488271
0.6300000E-02	0.6600000E-02	0.6450000E-02	0.1808458E-02	0.1768860E-04	0.6028196E-05	0.5896202E-07	0.6469296
0.6600000E-02	0.6900000E-02	0.6750000E-02	0.1718592E-02	0.1759145E-04	0.5728640E-05	0.5863819E-07	0.6451212
0.6900000E-02	0.7200000E-02	0.7050000E-02	0.1662960E-02	0.1777855E-04	0.5543202E-05	0.5926184E-07	0.6434026
0.7200000E-02	0.7600000E-02	0.7400000E-02	0.2148812E-02	0.2411323E-04	0.5372026E-05	0.6028305E-07	0.6417396
0.7600000E-02	0.8000000E-02	0.7800000E-02	0.2066648E-02	0.2444480E-04	0.5166617E-05	0.6111195E-07	0.6395908
0.8000000E-02	0.8400000E-02	0.8200000E-02	0.1995891E-02	0.2481853E-04	0.4989737E-05	0.6204643E-07	0.6375241
0.8400000E-02	0.8800000E-02	0.8600000E-02	0.1929709E-02	0.2516608E-04	0.4824268E-05	0.6291516E-07	0.6355283
0.8800000E-02	0.9200000E-02	0.9000000E-02	0.1871509E-02	0.2554228E-04	0.4678770E-05	0.6385567E-07	0.6335986
0.9200000E-02	0.9600000E-02	0.9400001E-02	0.1812169E-02	0.2583163E-04	0.4530419E-05	0.6457903E-07	0.6317270
0.9600000E-02	0.1000000E-01	0.9800000E-02	0.1758530E-02	0.2613372E-04	0.4396333E-05	0.6533440E-07	0.6299149
0.1000000E-01	0.1050000E-01	0.1025000E-01	0.2132550E-02	0.3314731E-04	0.4265099E-05	0.6629461E-07	0.6281564
0.1050000E-01	0.1100000E-01	0.1075000E-01	0.2056947E-02	0.3353180E-04	0.4113893E-05	0.6706359E-07	0.6260238
0.1100000E-01	0.1150000E-01	0.1125000E-01	0.1979918E-02	0.3377732E-04	0.3959836E-05	0.6755462E-07	0.6239669

0.1150000E-01	0.1200000E-01	0.1175000E-01	0.1925713E-02	0.3431269E-04	0.3851426E-05	0.6862538E-07	0.6219869
0.1200000E-01	0.1275000E-01	0.1237500E-01	0.2792283E-02	0.5239983E-04	0.3723045E-05	0.6986647E-07	0.6200612
0.1275000E-01	0.1350000E-01	0.1312500E-01	0.2678883E-02	0.5331855E-04	0.3571841E-05	0.7109135E-07	0.6172689
0.1350000E-01	0.1425000E-01	0.1387500E-01	0.2580454E-02	0.5429433E-04	0.3440607E-05	0.7239247E-07	0.6145900
0.1425000E-01	0.1500000E-01	0.1462500E-01	0.2490588E-02	0.5523610E-04	0.3320785E-05	0.7364817E-07	0.6120096
0.1500000E-01	0.1600000E-01	0.1550000E-01	0.3169585E-02	0.7450053E-04	0.3169582E-05	0.7450045E-07	0.6095190
0.1600000E-01	0.1700000E-01	0.1650000E-01	0.3026937E-02	0.7573779E-04	0.3026936E-05	0.7573777E-07	0.6063494
0.1700000E-01	0.1800000E-01	0.1750000E-01	0.2901403E-02	0.7699658E-04	0.2901408E-05	0.7699671E-07	0.6033224
0.1800000E-01	0.1900000E-01	0.1850000E-01	0.2783869E-02	0.7809905E-04	0.2783868E-05	0.7809904E-07	0.6004211
0.1900000E-01	0.2000000E-01	0.1950000E-01	0.2686299E-02	0.7943541E-04	0.2686298E-05	0.7943540E-07	0.5976372
0.2000000E-01	0.2100000E-01	0.2050000E-01	0.2598430E-02	0.8077746E-04	0.2598430E-05	0.8077745E-07	0.5949509
0.2100000E-01	0.2200000E-01	0.2150000E-01	0.2515695E-02	0.8202036E-04	0.2515694E-05	0.8202034E-07	0.5923524
0.2200000E-01	0.2300000E-01	0.2250000E-01	0.2435814E-02	0.8310973E-04	0.2435813E-05	0.8310972E-07	0.5898368
0.2300000E-01	0.2400000E-01	0.2350000E-01	0.2360783E-02	0.8412966E-04	0.2360782E-05	0.8412965E-07	0.5874010
0.2400000E-01	0.2550000E-01	0.2475000E-01	0.3402947E-02	0.1277190E-03	0.2268632E-05	0.8514606E-07	0.5850402
0.2550000E-01	0.2700000E-01	0.2625000E-01	0.3258738E-02	0.1297191E-03	0.2172490E-05	0.8647937E-07	0.5816373
0.2700000E-01	0.2800000E-01	0.2750000E-01	0.2097174E-02	0.8745656E-04	0.2097173E-05	0.8745655E-07	0.5783785
0.2800000E-01	0.3000000E-01	0.2900000E-01	0.4037433E-02	0.1775533E-03	0.2018718E-05	0.8877670E-07	0.5762813
0.3000000E-01	0.3200000E-01	0.3100000E-01	0.3797797E-02	0.1785331E-03	0.1898896E-05	0.8926644E-07	0.5722439
0.3200000E-01	0.3400000E-01	0.3300000E-01	0.3637459E-02	0.1820276E-03	0.1818729E-05	0.9101380E-07	0.5684461
0.3400000E-01	0.3600000E-01	0.3500000E-01	0.3488531E-02	0.1851552E-03	0.1744268E-05	0.9257775E-07	0.5648087
0.3600000E-01	0.3800000E-01	0.3700000E-01	0.3358445E-02	0.1884366E-03	0.1679222E-05	0.9421829E-07	0.5613201
0.3800000E-01	0.4000000E-01	0.3900000E-01	0.3237481E-02	0.1914684E-03	0.1618740E-05	0.9573419E-07	0.5579617
0.4000000E-01	0.4250000E-01	0.4125000E-01	0.3942008E-02	0.2465850E-03	0.1576802E-05	0.9863395E-07	0.5547242
0.4250000E-01	0.4500000E-01	0.4375000E-01	0.3782958E-02	0.2509776E-03	0.1513182E-05	0.1003910E-06	0.5507822
0.4500000E-01	0.4750000E-01	0.4625000E-01	0.3627470E-02	0.2544139E-03	0.1450989E-05	0.1017657E-06	0.5469993
0.4750000E-01	0.5000000E-01	0.4875000E-01	0.3463432E-02	0.2560393E-03	0.1385372E-05	0.1024157E-06	0.5433718
0.5000000E-01	0.5250000E-01	0.5125000E-01	0.3329342E-02	0.2587484E-03	0.1331738E-05	0.1034994E-06	0.5399083
0.5250000E-01	0.5500000E-01	0.5375000E-01	0.3225927E-02	0.2629410E-03	0.1290370E-05	0.1051764E-06	0.5365790
0.5500000E-01	0.5750000E-01	0.5625000E-01	0.3130355E-02	0.2670185E-03	0.1252141E-05	0.1068073E-06	0.5333531
0.5750000E-01	0.6000000E-01	0.5875000E-01	0.3051895E-02	0.2718960E-03	0.1220759E-05	0.1087585E-06	0.5302227
0.6000000E-01	0.6300000E-01	0.6150000E-01	0.3580116E-02	0.3338855E-03	0.1193371E-05	0.1112951E-06	0.5271708
0.6300000E-01	0.6600000E-01	0.6450000E-01	0.3489392E-02	0.3412988E-03	0.1163131E-05	0.1137663E-06	0.5235907
0.6600000E-01	0.6900000E-01	0.6750000E-01	0.3393533E-02	0.3473611E-03	0.1131178E-05	0.1157871E-06	0.5201014
0.6900000E-01	0.7200000E-01	0.7050000E-01	0.3295964E-02	0.3523683E-03	0.1098655E-05	0.1174562E-06	0.5167078
0.7200000E-01	0.7600000E-01	0.7400000E-01	0.4238281E-02	0.4756054E-03	0.1059570E-05	0.1189013E-06	0.5134119
0.7600000E-01	0.8000000E-01	0.7799999E-01	0.4070529E-02	0.4814717E-03	0.1017632E-05	0.1203679E-06	0.5091736
0.8000000E-01	0.8400000E-01	0.8200000E-01	0.3919897E-02	0.4874318E-03	0.9799742E-06	0.1218579E-06	0.5051031
0.8400000E-01	0.8800000E-01	0.8600000E-01	0.3776110E-02	0.4924570E-03	0.9440274E-06	0.1231142E-06	0.5011832

0.8800000E-01	0.9200000E-01	0.9000000E-01	0.3649441E-02	0.4980743E-03	0.9123601E-06	0.1245186E-06	0.4974070
0.9200000E-01	0.9600000E-01	0.9400000E-01	0.3531901E-02	0.5034562E-03	0.8829752E-06	0.1258640E-06	0.4937576
0.9600000E-01	0.1000000	0.9800000E-01	0.3423491E-02	0.5087689E-03	0.8558727E-06	0.1271922E-06	0.4902257
0.1000000	0.1050000	0.1025000	0.4143846E-02	0.6440991E-03	0.8287699E-06	0.1288200E-06	0.4868022
0.1050000	0.1100000	0.1075000	0.3979809E-02	0.6487778E-03	0.7959614E-06	0.1297555E-06	0.4826584
0.1100000	0.1150000	0.1125000	0.3855708E-02	0.6577820E-03	0.7711412E-06	0.1315563E-06	0.4786786
0.1150000	0.1200000	0.1175000	0.3740160E-02	0.6664282E-03	0.7480327E-06	0.1332858E-06	0.4748229
0.1200000	0.1275000	0.1237500	0.5411254E-02	0.1015473E-02	0.7215004E-06	0.1353964E-06	0.4710827
0.1275000	0.1350000	0.1312500	0.5184453E-02	0.1031876E-02	0.6912596E-06	0.1375833E-06	0.4656714
0.1350000	0.1425000	0.1387500	0.5011129E-02	0.1054372E-02	0.6681511E-06	0.1405831E-06	0.4604870
0.1425000	0.1500000	0.1462500	0.4816427E-02	0.1068184E-02	0.6421895E-06	0.1424244E-06	0.4554759
0.1500000	0.1600000	0.1550000	0.6119483E-02	0.1438374E-02	0.6119489E-06	0.1438375E-06	0.4506595
0.1600000	0.1700000	0.1650000	0.5799965E-02	0.1451225E-02	0.5799963E-06	0.1451224E-06	0.4445400
0.1700000	0.1800000	0.1750000	0.5526086E-02	0.1466496E-02	0.5526083E-06	0.1466496E-06	0.4387400
0.1800000	0.1900000	0.1850000	0.5283582E-02	0.1482264E-02	0.5283586E-06	0.1482265E-06	0.4332139
0.1900000	0.2000000	0.1950000	0.5075327E-02	0.1500804E-02	0.5075324E-06	0.1500803E-06	0.4279303
0.2000000	0.2100000	0.2050000	0.4895586E-02	0.1521892E-02	0.4895590E-06	0.1521893E-06	0.4228550
0.2100000	0.2200000	0.2150000	0.4738683E-02	0.1544975E-02	0.4738681E-06	0.1544974E-06	0.4179594
0.2200000	0.2300000	0.2250000	0.4601744E-02	0.1570111E-02	0.4601741E-06	0.1570110E-06	0.4132207
0.2300000	0.2400000	0.2350000	0.4470503E-02	0.1593124E-02	0.4470507E-06	0.1593125E-06	0.4086189
0.2400000	0.2550000	0.2475000	0.6470397E-02	0.2428462E-02	0.4313598E-06	0.1618975E-06	0.4041484
0.2550000	0.2700000	0.2625000	0.6209362E-02	0.2471733E-02	0.4139571E-06	0.1647820E-06	0.3976780
0.2700000	0.2800000	0.2750000	0.4008333E-02	0.1671559E-02	0.4008337E-06	0.1671561E-06	0.3914687
0.2800000	0.3000000	0.2900000	0.7731387E-02	0.3400014E-02	0.3865692E-06	0.1700006E-06	0.3874604
0.3000000	0.3200000	0.3100000	0.7354791E-02	0.3457461E-02	0.3677399E-06	0.1728732E-06	0.3797290
0.3200000	0.3400000	0.3300000	0.7001042E-02	0.3503498E-02	0.3500519E-06	0.1751748E-06	0.3723742
0.3400000	0.3600000	0.3500000	0.6687221E-02	0.3549270E-02	0.3343609E-06	0.1774634E-06	0.3653731
0.3600000	0.3800000	0.3700000	0.6407626E-02	0.3595209E-02	0.3203816E-06	0.1797606E-06	0.3586859
0.3800000	0.4000000	0.3900000	0.6150874E-02	0.3637698E-02	0.3075435E-06	0.1818848E-06	0.3522783
0.4000000	0.4250000	0.4125000	0.7367637E-02	0.4608690E-02	0.2947054E-06	0.1843476E-06	0.3461274
0.4250000	0.4500000	0.4375000	0.7039547E-02	0.4670335E-02	0.2815821E-06	0.1868136E-06	0.3387598
0.4500000	0.4750000	0.4625000	0.6749982E-02	0.4734125E-02	0.2699992E-06	0.1893649E-06	0.3317202
0.4750000	0.5000000	0.4875000	0.6479670E-02	0.4790191E-02	0.2591867E-06	0.1916076E-06	0.3249702
0.5000000	0.5250000	0.5125000	0.6224327E-02	0.4837395E-02	0.2489733E-06	0.1934960E-06	0.3184906
0.5250000	0.5500000	0.5375000	0.6016080E-02	0.4903626E-02	0.2406428E-06	0.1961448E-06	0.3122662
0.5500000	0.5750000	0.5625000	0.5828485E-02	0.4971683E-02	0.2331396E-06	0.1988675E-06	0.3062502
0.5750000	0.6000000	0.5875000	0.5654473E-02	0.5037619E-02	0.2261786E-06	0.2015045E-06	0.3004217
0.6000000	0.6300000	0.6150000	0.6578229E-02	0.6134928E-02	0.2192745E-06	0.2044978E-06	0.2947672
0.6300000	0.6600000	0.6450000	0.6383105E-02	0.6243340E-02	0.2127699E-06	0.2081111E-06	0.2881889

0.6600000	0.6900000	0.6750000	0.6176827E-02	0.6322583E-02	0.2058944E-06	0.2107530E-06	0.2818058
0.6900000	0.7200000	0.7050000	0.5968861E-02	0.6381251E-02	0.1989618E-06	0.2127082E-06	0.2756290
0.7200000	0.7600000	0.7400000	0.7625245E-02	0.8556790E-02	0.1906313E-06	0.2139199E-06	0.2696601
0.7600000	0.8000000	0.7800000	0.7298884E-02	0.8633291E-02	0.1824720E-06	0.2158322E-06	0.2620349
0.8000000	0.8400000	0.8200000	0.6998747E-02	0.8702808E-02	0.1749688E-06	0.2175704E-06	0.2547360
0.8400000	0.8800000	0.8600000	0.6716893E-02	0.8759759E-02	0.1679222E-06	0.2189939E-06	0.2477373
0.8800000	0.9200000	0.9000000	0.6464696E-02	0.8822992E-02	0.1616173E-06	0.2205747E-06	0.2410204
0.9200000	0.9600000	0.9400000	0.6261559E-02	0.8925563E-02	0.1565391E-06	0.2231393E-06	0.2345557
0.9600000	1.000000	0.9800000	0.6055017E-02	0.8998428E-02	0.1513753E-06	0.2249606E-06	0.2282941
1.000000	1.100000	1.050000	0.1435013E-01	0.2284918E-01	0.1435013E-06	0.2284917E-06	0.2222391
1.100000	1.200000	1.150000	0.1339441E-01	0.2335859E-01	0.1339440E-06	0.2335858E-06	0.2078890
1.200000	1.300000	1.250000	0.1254708E-01	0.2378362E-01	0.1254709E-06	0.2378364E-06	0.1944946
1.300000	1.400000	1.350000	0.1178822E-01	0.2413278E-01	0.1178822E-06	0.2413278E-06	0.1819475
1.400000	1.500000	1.450000	0.1110637E-01	0.2442112E-01	0.1110637E-06	0.2442112E-06	0.1701593
1.500000	1.600000	1.550000	0.1042453E-01	0.2450268E-01	0.1042453E-06	0.2450267E-06	0.1590529
1.600000	1.700000	1.650000	0.9717009E-02	0.2431319E-01	0.9717007E-07	0.2431318E-06	0.1486284
1.700000	1.800000	1.750000	0.9100768E-02	0.2415135E-01	0.9100776E-07	0.2415137E-06	0.1389114
1.800000	1.900000	1.850000	0.8561580E-02	0.2401878E-01	0.8561577E-07	0.2401877E-06	0.1298106
1.900000	2.000000	1.950000	0.8079438E-02	0.2389137E-01	0.8079436E-07	0.2389137E-06	0.1212490
2.000000	2.100000	2.050000	0.7563054E-02	0.2351128E-01	0.7563061E-07	0.2351131E-06	0.1131696
2.100000	2.200000	2.150000	0.7040988E-02	0.2295606E-01	0.7040978E-07	0.2295603E-06	0.1056065
2.200000	2.300000	2.250000	0.6578800E-02	0.2244680E-01	0.6578806E-07	0.2244683E-06	0.9856556E-01
2.300000	2.400000	2.350000	0.6159439E-02	0.2194999E-01	0.6159430E-07	0.2194996E-06	0.9198675E-01
2.400000	2.500000	2.450000	0.5788545E-02	0.2150606E-01	0.5788550E-07	0.2150608E-06	0.8582731E-01
2.500000	2.600000	2.550000	0.5454755E-02	0.2109312E-01	0.5454760E-07	0.2109313E-06	0.8003877E-01
2.600000	2.700000	2.650000	0.5152360E-02	0.2070510E-01	0.5152353E-07	0.2070507E-06	0.7458401E-01
2.700000	2.800000	2.750000	0.4878468E-02	0.2034424E-01	0.4878472E-07	0.2034426E-06	0.6943166E-01
2.800000	2.900000	2.850000	0.4624571E-02	0.1998672E-01	0.4624565E-07	0.1998669E-06	0.6455319E-01
2.900000	3.000000	2.950000	0.4396328E-02	0.1966697E-01	0.4396333E-07	0.1966699E-06	0.5992862E-01
3.000000	3.100000	3.050000	0.4111038E-02	0.1901414E-01	0.4111041E-07	0.1901415E-06	0.5553229E-01
3.100000	3.200000	3.150000	0.3780109E-02	0.1805677E-01	0.3780103E-07	0.1805675E-06	0.5142125E-01
3.200000	3.300000	3.250000	0.3489104E-02	0.1719581E-01	0.3489107E-07	0.1719582E-06	0.4764115E-01
3.300000	3.400000	3.350000	0.3232350E-02	0.1642058E-01	0.3232345E-07	0.1642055E-06	0.4415204E-01
3.400000	3.500000	3.450000	0.3006963E-02	0.1573158E-01	0.3006965E-07	0.1573160E-06	0.4091970E-01
3.500000	3.600000	3.550000	0.2803264E-02	0.1509099E-01	0.2803267E-07	0.1509101E-06	0.3791273E-01
3.600000	3.700000	3.650000	0.2622968E-02	0.1451815E-01	0.2622964E-07	0.1451812E-06	0.3510947E-01
3.700000	3.800000	3.750000	0.2457208E-02	0.1397328E-01	0.2457210E-07	0.1397330E-06	0.3248650E-01
3.800000	3.900000	3.850000	0.2305439E-02	0.1345983E-01	0.2305435E-07	0.1345981E-06	0.3002929E-01
3.900000	4.000000	3.950000	0.2166211E-02	0.1297547E-01	0.2166213E-07	0.1297548E-06	0.2772385E-01

4.000000	4.100000	4.050000	0.1998460E-02	0.1227371E-01	0.1998462E-07	0.1227372E-06	0.2555764E-01
4.100000	4.200000	4.150000	0.1812451E-02	0.1140617E-01	0.1812453E-07	0.1140618E-06	0.2355918E-01
4.200000	4.300000	4.250000	0.1650700E-02	0.1063855E-01	0.1650693E-07	0.1063850E-06	0.2174673E-01
4.300000	4.400000	4.350000	0.1509187E-02	0.9955375E-02	0.1509188E-07	0.9955384E-07	0.2009603E-01
4.400000	4.500000	4.450000	0.1383374E-02	0.9335225E-02	0.1383375E-07	0.9335234E-07	0.1858684E-01
4.500000	4.600000	4.550000	0.1270970E-02	0.8769442E-02	0.1270971E-07	0.8769450E-07	0.1720347E-01
4.600000	4.700000	4.650000	0.1170547E-02	0.8254049E-02	0.1170548E-07	0.8254057E-07	0.1593250E-01
4.700000	4.800000	4.750000	0.1079830E-02	0.7778115E-02	0.1079826E-07	0.7778086E-07	0.1476195E-01
4.800000	4.900000	4.850000	0.9973758E-03	0.7335435E-02	0.9973768E-08	0.7335442E-07	0.1368212E-01
4.900000	5.000000	4.950000	0.9229150E-03	0.6927750E-02	0.9229159E-08	0.6927756E-07	0.1268475E-01
5.000000	5.100000	5.050000	0.8510218E-03	0.6517145E-02	0.8510226E-08	0.6517152E-07	0.1176183E-01
5.100000	5.200000	5.150000	0.7819815E-03	0.6107015E-02	0.7819823E-08	0.6107021E-07	0.1091081E-01
5.200000	5.300000	5.250000	0.7195063E-03	0.5728213E-02	0.7195036E-08	0.5728191E-07	0.1012883E-01
5.300000	5.400000	5.350000	0.6624447E-03	0.5374385E-02	0.6624454E-08	0.5374390E-07	0.9409322E-02
5.400000	5.500000	5.450000	0.6110924E-03	0.5050434E-02	0.6110930E-08	0.5050439E-07	0.8746877E-02
5.500000	5.600000	5.550000	0.5643048E-03	0.4749327E-02	0.5643054E-08	0.4749331E-07	0.8135785E-02
5.600000	5.700000	5.650000	0.5215112E-03	0.4468248E-02	0.5215117E-08	0.4468253E-07	0.7571481E-02
5.700000	5.800000	5.750000	0.4829992E-03	0.4211526E-02	0.4829973E-08	0.4211510E-07	0.7049969E-02
5.800000	5.900000	5.850000	0.4481915E-03	0.3975986E-02	0.4481920E-08	0.3975990E-07	0.6566970E-02
5.900000	6.000000	5.950000	0.4162390E-03	0.3755649E-02	0.4162394E-08	0.3755653E-07	0.6118779E-02
6.000000	6.100000	6.050000	0.3868541E-03	0.3549179E-02	0.3868545E-08	0.3549182E-07	0.5702540E-02
6.100000	6.200000	6.150000	0.3600367E-03	0.3357741E-02	0.3600370E-08	0.3357744E-07	0.5315686E-02
6.200000	6.300000	6.250000	0.3340768E-03	0.3166297E-02	0.3340755E-08	0.3166284E-07	0.4955649E-02
6.300000	6.400000	6.350000	0.3081138E-03	0.2966950E-02	0.3081141E-08	0.2966953E-07	0.4621572E-02
6.400000	6.500000	6.450000	0.2843205E-03	0.2780950E-02	0.2843208E-08	0.2780953E-07	0.4313459E-02
6.500000	6.600000	6.550000	0.2629523E-03	0.2611822E-02	0.2629525E-08	0.2611824E-07	0.4029138E-02
6.600000	6.700000	6.650000	0.2439235E-03	0.2459804E-02	0.2439237E-08	0.2459807E-07	0.3766186E-02
6.700000	6.800000	6.750000	0.2274918E-03	0.2328599E-02	0.2274909E-08	0.2328590E-07	0.3522262E-02
6.800000	6.900000	6.850000	0.2131691E-03	0.2214319E-02	0.2131693E-08	0.2214321E-07	0.3294771E-02
6.900000	7.000000	6.950000	0.1999886E-03	0.2107732E-02	0.1999888E-08	0.2107734E-07	0.3081602E-02
7.000000	7.100000	7.050000	0.1876926E-03	0.2006604E-02	0.1876928E-08	0.2006606E-07	0.2881613E-02
7.100000	7.200000	7.150000	0.1763667E-03	0.1912264E-02	0.1763668E-08	0.1912266E-07	0.2693920E-02
7.200000	7.300000	7.250000	0.1655549E-03	0.1820142E-02	0.1655542E-08	0.1820135E-07	0.2517554E-02
7.300000	7.400000	7.350000	0.1551696E-03	0.1729495E-02	0.1551697E-08	0.1729496E-07	0.2351999E-02
7.400000	7.500000	7.450000	0.1455553E-03	0.1644408E-02	0.1455554E-08	0.1644409E-07	0.2196829E-02
7.500000	7.600000	7.550000	0.1366257E-03	0.1564244E-02	0.1366258E-08	0.1564246E-07	0.2051274E-02
7.600000	7.700000	7.650000	0.1281525E-03	0.1486667E-02	0.1281526E-08	0.1486669E-07	0.1914648E-02
7.700000	7.799990	7.749995	0.1202670E-03	0.1413427E-02	0.1202786E-08	0.1413563E-07	0.1786496E-02
7.799990	7.899990	7.849990	0.1131462E-03	0.1346897E-02	0.1131463E-08	0.1346898E-07	0.1666229E-02

7.899990	7.999990	7.949990	0.1066131E-03	0.1285294E-02	0.1066132E-08	0.1285295E-07	0.1553082E-02
7.999990	8.099990	8.049990	0.9985169E-04	0.1218922E-02	0.9985178E-09	0.1218923E-07	0.1446469E-02
8.099990	8.200000	8.149995	0.9289991E-04	0.1148148E-02	0.9289070E-09	0.1148034E-07	0.1346617E-02
8.200000	8.300000	8.250000	0.8647198E-04	0.1081819E-02	0.8647165E-09	0.1081815E-07	0.1253718E-02
8.300000	8.400000	8.350000	0.8056567E-04	0.1020145E-02	0.8056613E-09	0.1020151E-07	0.1167246E-02
8.400000	8.500000	8.450000	0.7511737E-04	0.9625480E-03	0.7511708E-09	0.9625444E-08	0.1086680E-02
8.500000	8.600000	8.550000	0.6998212E-04	0.9073576E-03	0.6998185E-09	0.9073542E-08	0.1011563E-02
8.600000	8.700000	8.650000	0.6518859E-04	0.8550921E-03	0.6518896E-09	0.8550970E-08	0.9415805E-03
8.700000	8.800000	8.750000	0.6073866E-04	0.8059323E-03	0.6073843E-09	0.8059292E-08	0.8763919E-03
8.800000	8.900000	8.850000	0.5657285E-04	0.7592358E-03	0.5657317E-09	0.7592401E-08	0.8156532E-03
8.900000	9.000000	8.950000	0.5272195E-04	0.7155496E-03	0.5272174E-09	0.7155468E-08	0.7590804E-03
9.000000	9.100000	9.050000	0.4915580E-04	0.6746036E-03	0.4915561E-09	0.6746010E-08	0.7063585E-03
9.100000	9.200000	9.150000	0.4581745E-04	0.6357368E-03	0.4581772E-09	0.6357404E-08	0.6572027E-03
9.200000	9.300000	9.250000	0.4270821E-04	0.5990710E-03	0.4270804E-09	0.5990688E-08	0.6113852E-03
9.300000	9.400000	9.350000	0.3979785E-04	0.5642824E-03	0.3979807E-09	0.5642856E-08	0.5686770E-03
9.400000	9.500000	9.450000	0.3708795E-04	0.5314837E-03	0.3708781E-09	0.5314817E-08	0.5288792E-03
9.500000	9.600000	9.550000	0.3454885E-04	0.5003366E-03	0.3454871E-09	0.5003347E-08	0.4917912E-03
9.600000	9.700000	9.650000	0.3218063E-04	0.4709200E-03	0.3218081E-09	0.4709226E-08	0.4572424E-03
9.700000	9.800000	9.750000	0.2995566E-04	0.4429032E-03	0.2995555E-09	0.4429015E-08	0.4250617E-03
9.800000	9.900000	9.850000	0.2788131E-04	0.4164614E-03	0.2788147E-09	0.4164638E-08	0.3951061E-03
9.900000	10.00000	9.950000	0.2594160E-04	0.3914219E-03	0.2594150E-09	0.3914205E-08	0.3672247E-03
10.00000	10.10000	10.05000	0.2413000E-04	0.3677466E-03	0.2412990E-09	0.3677452E-08	0.3412831E-03
10.10000	10.20000	10.15000	0.2245226E-04	0.3455823E-03	0.2245239E-09	0.3455843E-08	0.3171531E-03
10.20000	10.30000	10.25000	0.2089478E-04	0.3247783E-03	0.2089470E-09	0.3247770E-08	0.2947009E-03
10.30000	10.40000	10.35000	0.1945102E-04	0.3052868E-03	0.1945113E-09	0.3052886E-08	0.2738061E-03
10.40000	10.50000	10.45000	0.1811033E-04	0.2869908E-03	0.1811026E-09	0.2869897E-08	0.2543551E-03
10.50000	10.60000	10.55000	0.1686361E-04	0.2697914E-03	0.1686354E-09	0.2697904E-08	0.2362448E-03
10.60000	10.70000	10.65000	0.1570232E-04	0.2535939E-03	0.1570241E-09	0.2535953E-08	0.2193812E-03
10.70000	10.80000	10.75000	0.1461836E-04	0.2383045E-03	0.1461830E-09	0.2383036E-08	0.2036788E-03
10.80000	10.90000	10.85000	0.1360829E-04	0.2239024E-03	0.1360837E-09	0.2239037E-08	0.1890605E-03
10.90000	11.00000	10.95000	0.1266696E-04	0.2103351E-03	0.1266691E-09	0.2103343E-08	0.1754522E-03
11.00000	11.10000	11.05000	0.1178827E-04	0.1975320E-03	0.1178822E-09	0.1975313E-08	0.1627852E-03
11.10000	11.20000	11.15000	0.1096937E-04	0.1854735E-03	0.1096943E-09	0.1854745E-08	0.1509969E-03
11.20000	11.30000	11.25000	0.1020204E-04	0.1740463E-03	0.1020200E-09	0.1740456E-08	0.1400276E-03
11.30000	11.40000	11.35000	0.9485865E-05	0.1632669E-03	0.9485919E-10	0.1632678E-08	0.1298255E-03
11.40000	11.50000	11.45000	0.8815522E-05	0.1530660E-03	0.8815489E-10	0.1530654E-08	0.1203397E-03
11.50000	11.60000	11.55000	0.8196436E-05	0.1435596E-03	0.8196405E-10	0.1435591E-08	0.1115241E-03
11.60000	11.70000	11.65000	0.7625781E-05	0.1347211E-03	0.7625825E-10	0.1347219E-08	0.1033277E-03
11.70000	11.80000	11.75000	0.7103769E-05	0.1265762E-03	0.7103741E-10	0.1265757E-08	0.9570193E-04

11.80000	11.90000	11.85000	0.6618710E-05	0.1189370E-03	0.6618748E-10	0.1189377E-08	0.8859816E-04
11.90000	12.00000	11.95000	0.6162305E-05	0.1116700E-03	0.6162282E-10	0.1116696E-08	0.8197944E-04
12.00000	12.10000	12.05000	0.5711544E-05	0.1043676E-03	0.5711522E-10	0.1043672E-08	0.7581714E-04
12.10000	12.20000	12.15000	0.5272144E-05	0.9713793E-04	0.5272174E-10	0.9713849E-09	0.7010559E-04
12.20000	12.30000	12.25000	0.4849963E-05	0.9009481E-04	0.4849944E-10	0.9009447E-09	0.6483345E-04
12.30000	12.40000	12.35000	0.4456217E-05	0.8345620E-04	0.4456242E-10	0.8345667E-09	0.5998348E-04
12.40000	12.50000	12.45000	0.4096792E-05	0.7734612E-04	0.4096776E-10	0.7734583E-09	0.5552726E-04
12.50000	12.60000	12.55000	0.3774412E-05	0.7183206E-04	0.3774397E-10	0.7183178E-09	0.5143047E-04
12.60000	12.70000	12.65000	0.3483382E-05	0.6682159E-04	0.3483401E-10	0.6682198E-09	0.4765606E-04
12.70000	12.80000	12.75000	0.3218093E-05	0.6222058E-04	0.3218080E-10	0.6222034E-09	0.4417268E-04
12.80000	12.90000	12.85000	0.2978419E-05	0.5803824E-04	0.2978436E-10	0.5803857E-09	0.4095458E-04
12.90000	13.00000	12.95000	0.2757061E-05	0.5414288E-04	0.2757050E-10	0.5414268E-09	0.3797616E-04
13.00000	13.10000	13.05000	0.2553934E-05	0.5054120E-04	0.2553924E-10	0.5054100E-09	0.3521910E-04
13.10000	13.20000	13.15000	0.2367045E-05	0.4720169E-04	0.2367058E-10	0.4720196E-09	0.3266517E-04
13.20000	13.30000	13.25000	0.2194751E-05	0.4409876E-04	0.2194742E-10	0.4409859E-09	0.3029812E-04
13.30000	13.40000	13.35000	0.2035253E-05	0.4120263E-04	0.2035264E-10	0.4120286E-09	0.2810337E-04
13.40000	13.50000	13.45000	0.1888062E-05	0.3850915E-04	0.1888055E-10	0.3850900E-09	0.2606812E-04
13.50000	13.60000	13.55000	0.1751693E-05	0.3599337E-04	0.1751686E-10	0.3599324E-09	0.2418006E-04
13.60000	13.70000	13.65000	0.1625578E-05	0.3364850E-04	0.1625587E-10	0.3364869E-09	0.2242836E-04
13.70000	13.80000	13.75000	0.1508624E-05	0.3145640E-04	0.1508618E-10	0.3145628E-09	0.2080279E-04
13.80000	13.90000	13.85000	0.1400199E-05	0.2940796E-04	0.1400207E-10	0.2940813E-09	0.1929416E-04
13.90000	14.00000	13.95000	0.1299505E-05	0.2749017E-04	0.1299500E-10	0.2749007E-09	0.1789396E-04
14.00000	14.10000	14.05000	0.1206215E-05	0.2569959E-04	0.1206210E-10	0.2569950E-09	0.1659446E-04
14.10000	14.20000	14.15000	0.1119475E-05	0.2402127E-04	0.1119481E-10	0.2402141E-09	0.1538824E-04
14.20000	14.30000	14.25000	0.1039033E-05	0.2245275E-04	0.1039029E-10	0.2245266E-09	0.1426877E-04
14.30000	14.40000	14.35000	0.9642775E-06	0.2098356E-04	0.9642830E-11	0.2098368E-09	0.1322973E-04
14.40000	14.50000	14.45000	0.8949608E-06	0.1961088E-04	0.8949575E-11	0.1961081E-09	0.1226546E-04
14.50000	14.60000	14.55000	0.8307703E-06	0.1833029E-04	0.8307671E-11	0.1833022E-09	0.1137050E-04
14.60000	14.70000	14.65000	0.7714221E-06	0.1713780E-04	0.7714265E-11	0.1713789E-09	0.1053973E-04
14.70000	14.80000	14.75000	0.7160829E-06	0.1601698E-04	0.7160801E-11	0.1601692E-09	0.9768303E-05
14.80000	14.90000	14.85000	0.6647239E-06	0.1496901E-04	0.6647276E-11	0.1496909E-09	0.9052221E-05
14.90000	15.00000	14.95000	0.6168011E-06	0.1398336E-04	0.6167988E-11	0.1398331E-09	0.8387497E-05
15.00000	15.10000	15.05000	0.5725809E-06	0.1306769E-04	0.5725787E-11	0.1306764E-09	0.7770695E-05
15.10000	15.20000	15.15000	0.5314938E-06	0.1221058E-04	0.5314969E-11	0.1221065E-09	0.7198115E-05
15.20000	15.30000	15.25000	0.4932697E-06	0.1140721E-04	0.4932679E-11	0.1140717E-09	0.6666621E-05
15.30000	15.40000	15.35000	0.4578892E-06	0.1065845E-04	0.4578918E-11	0.1065851E-09	0.6173351E-05
15.40000	15.50000	15.45000	0.4250850E-06	0.9959316E-05	0.4250834E-11	0.9959279E-10	0.5715462E-05
15.50000	15.60000	15.55000	0.3945588E-06	0.9303951E-05	0.3945573E-11	0.9303915E-10	0.5290377E-05
15.60000	15.70000	15.65000	0.3660261E-06	0.8686636E-05	0.3660281E-11	0.8686686E-10	0.4895818E-05

15.70000	15.80000	15.75000	0.3397827E-06	0.8115348E-05	0.3397814E-11	0.8115317E-10	0.4529792E-05
15.80000	15.90000	15.85000	0.3152445E-06	0.7577084E-05	0.3152464E-11	0.7577128E-10	0.4190009E-05
15.90000	16.00000	15.95000	0.2927095E-06	0.7079830E-05	0.2927084E-11	0.7079803E-10	0.3874765E-05
16.00000	16.10000	16.05000	0.2716550E-06	0.6611773E-05	0.2716539E-11	0.6611748E-10	0.3582055E-05
16.10000	16.20000	16.15000	0.2521125E-06	0.6174364E-05	0.2521115E-11	0.6174340E-10	0.3310400E-05
16.20000	16.30000	16.25000	0.2339920E-06	0.5766066E-05	0.2339955E-11	0.5766154E-10	0.3058288E-05
16.30000	16.40000	16.35000	0.2171643E-06	0.5384326E-05	0.2171634E-11	0.5384306E-10	0.2824296E-05
16.40000	16.50000	16.45000	0.2015303E-06	0.5027263E-05	0.2015295E-11	0.5027244E-10	0.2607131E-05
16.50000	16.60000	16.55000	0.1870373E-06	0.4694092E-05	0.1870366E-11	0.4694074E-10	0.2405601E-05
16.60000	16.70000	16.65000	0.1735716E-06	0.4382462E-05	0.1735709E-11	0.4382445E-10	0.2218564E-05
16.70000	16.80000	16.75000	0.1610728E-06	0.4091308E-05	0.1610752E-11	0.4091371E-10	0.2044992E-05
16.80000	16.90000	16.85000	0.1494930E-06	0.3819847E-05	0.1494924E-11	0.3819832E-10	0.1883919E-05
16.90000	17.00000	16.95000	0.1387090E-06	0.3565328E-05	0.1387084E-11	0.3565315E-10	0.1734426E-05
17.00000	17.10000	17.05000	0.1287237E-06	0.3328191E-05	0.1287232E-11	0.3328178E-10	0.1595717E-05
17.10000	17.20000	17.15000	0.1194518E-06	0.3106577E-05	0.1194513E-11	0.3106565E-10	0.1466994E-05
17.20000	17.30000	17.25000	0.1108338E-06	0.2899257E-05	0.1108355E-11	0.2899301E-10	0.1347542E-05
17.30000	17.40000	17.35000	0.1028477E-06	0.2705947E-05	0.1028473E-11	0.2705937E-10	0.1236708E-05
17.40000	17.50000	17.45000	0.9545867E-07	0.2526016E-05	0.9545831E-12	0.2526006E-10	0.1133860E-05
17.50000	17.60000	17.55000	0.8855462E-07	0.2356751E-05	0.8855428E-12	0.2356742E-10	0.1038402E-05
17.60000	17.70000	17.65000	0.8219261E-07	0.2199899E-05	0.8219229E-12	0.2199891E-10	0.9498470E-06
17.70000	17.80000	17.75000	0.7625708E-07	0.2052598E-05	0.7625824E-12	0.2052629E-10	0.8676544E-06
17.80000	17.90000	17.85000	0.7075240E-07	0.1915158E-05	0.7075213E-12	0.1915151E-10	0.7913973E-06
17.90000	18.00000	17.95000	0.6564567E-07	0.1786882E-05	0.6564542E-12	0.1786875E-10	0.7206449E-06
18.00000	18.10000	18.05000	0.6090983E-07	0.1667208E-05	0.6090959E-12	0.1667202E-10	0.6549992E-06
18.10000	18.20000	18.15000	0.5651633E-07	0.1555521E-05	0.5651611E-12	0.1555515E-10	0.5940894E-06
18.20000	18.30000	18.25000	0.5243566E-07	0.1451159E-05	0.5243646E-12	0.1451181E-10	0.5375730E-06
18.30000	18.40000	18.35000	0.4864228E-07	0.1353553E-05	0.4864210E-12	0.1353548E-10	0.4851374E-06
18.40000	18.50000	18.45000	0.4513318E-07	0.1262751E-05	0.4513300E-12	0.1262746E-10	0.4364951E-06
18.50000	18.60000	18.55000	0.4188085E-07	0.1178107E-05	0.4188069E-12	0.1178102E-10	0.3913619E-06
18.60000	18.70000	18.65000	0.3885676E-07	0.1098932E-05	0.3885661E-12	0.1098928E-10	0.3494811E-06
18.70000	18.80000	18.75000	0.3603168E-07	0.1024498E-05	0.3603223E-12	0.1024514E-10	0.3106243E-06
18.80000	18.90000	18.85000	0.3343621E-07	0.9557706E-06	0.3343608E-12	0.9557670E-11	0.2745927E-06
18.90000	19.00000	18.95000	0.3101123E-07	0.8911556E-06	0.3101111E-12	0.8911522E-11	0.2411564E-06
19.00000	19.10000	19.05000	0.2878595E-07	0.8315739E-06	0.2878584E-12	0.8315707E-11	0.2101452E-06
19.10000	19.20000	19.15000	0.2670333E-07	0.7754601E-06	0.2670322E-12	0.7754572E-11	0.1813593E-06
19.20000	19.30000	19.25000	0.2477142E-07	0.7231143E-06	0.2477180E-12	0.7231254E-11	0.1546559E-06
19.30000	19.40000	19.35000	0.2298026E-07	0.6743124E-06	0.2298017E-12	0.6743099E-11	0.1298845E-06
19.40000	19.50000	19.45000	0.2131986E-07	0.6288243E-06	0.2131978E-12	0.6288219E-11	0.1069043E-06
19.50000	19.60000	19.55000	0.1977929E-07	0.5863848E-06	0.1977921E-12	0.5863825E-11	0.8558440E-07

19.60000	19.70000	19.65000	0.1834712E-07	0.5467085E-06	0.1834705E-12	0.5467063E-11	0.6580511E-07
19.70000	19.80000	19.75000	0.1702019E-07	0.5097496E-06	0.1702045E-12	0.5097573E-11	0.4745799E-07
19.80000	19.90000	19.85000	0.1579091E-07	0.4753275E-06	0.1579085E-12	0.4753257E-11	0.3043780E-07
19.90000	20.00000	19.95000	0.1464689E-07	0.4431120E-06	0.1464683E-12	0.4431103E-11	0.1464689E-07

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MANIPULATE Version 1

Title: list spectrum punch file in tabular format

Control Parameters: 9 0

MANIPULATE Run 4:

Environment:

ACRR New Pb-B₄C Bucket

File Name:

TPB13-LIST

0.1900000E-09	0.2000000E-09	0.1950000E-09	0.1403999E-11	0.3734596E-21	0.1403999E-06	0.3734596E-16	1.000000
0.2000000E-09	0.2100000E-09	0.2050000E-09	0.1475275E-11	0.4125429E-21	0.1475275E-06	0.4125428E-16	1.000000
0.2100000E-09	0.2200000E-09	0.2150000E-09	0.1548454E-11	0.4541287E-21	0.1548454E-06	0.4541287E-16	1.000000
0.2200000E-09	0.2300000E-09	0.2250000E-09	0.1620168E-11	0.4972615E-21	0.1620168E-06	0.4972615E-16	1.000000
0.2300000E-09	0.2400000E-09	0.2350000E-09	0.1691881E-11	0.5423502E-21	0.1691883E-06	0.5423509E-16	1.000000
0.2400000E-09	0.2550000E-09	0.2475000E-09	0.2673936E-11	0.9027519E-21	0.1782624E-06	0.6018346E-16	1.000000
0.2550000E-09	0.2700000E-09	0.2625000E-09	0.2834198E-11	0.1014849E-20	0.1889465E-06	0.6765662E-16	1.000000
0.2700000E-09	0.2800000E-09	0.2750000E-09	0.1980205E-11	0.7428226E-21	0.1980205E-06	0.7428225E-16	1.000000
0.2800000E-09	0.3000000E-09	0.2900000E-09	0.4177019E-11	0.1652367E-20	0.2088509E-06	0.8261836E-16	1.000000
0.3000000E-09	0.3200000E-09	0.3100000E-09	0.4463878E-11	0.1887627E-20	0.2231939E-06	0.9438134E-16	1.000000
0.3200000E-09	0.3400000E-09	0.3300000E-09	0.4750738E-11	0.2138539E-20	0.2375369E-06	0.1069269E-15	1.000000
0.3400000E-09	0.3600000E-09	0.3500000E-09	0.5040525E-11	0.2406501E-20	0.2520262E-06	0.1203250E-15	1.000000
0.3600000E-09	0.3800000E-09	0.3700000E-09	0.5327383E-11	0.2688796E-20	0.2663691E-06	0.1344398E-15	1.000000
0.3800000E-09	0.4000000E-09	0.3900000E-09	0.5617168E-11	0.2988300E-20	0.2808584E-06	0.1494150E-15	1.000000
0.4000000E-09	0.4250000E-09	0.4125000E-09	0.7423943E-11	0.4177349E-20	0.2969577E-06	0.1670940E-15	1.000000
0.4250000E-09	0.4500000E-09	0.4375000E-09	0.7873988E-11	0.4699103E-20	0.3149595E-06	0.1879641E-15	1.000000
0.4500000E-09	0.4750000E-09	0.4625000E-09	0.8324027E-11	0.5251549E-20	0.3329614E-06	0.2100622E-15	1.000000
0.4750000E-09	0.5000000E-09	0.4875000E-09	0.8774083E-11	0.5834700E-20	0.3509633E-06	0.2333880E-15	1.000000
0.5000000E-09	0.5250000E-09	0.5125000E-09	0.9224128E-11	0.6448540E-20	0.3689651E-06	0.2579416E-15	1.000000
0.5250000E-09	0.5500000E-09	0.5375000E-09	0.9674176E-11	0.7093076E-20	0.3869670E-06	0.2837230E-15	1.000000
0.5500000E-09	0.5750000E-09	0.5625000E-09	0.1012422E-10	0.7768308E-20	0.4049689E-06	0.3107323E-15	1.000000
0.5750000E-09	0.6000000E-09	0.5875000E-09	0.1057427E-10	0.8474232E-20	0.4229707E-06	0.3389692E-15	1.000000
0.6000000E-09	0.6300000E-09	0.6150000E-09	0.1328187E-10	0.1114234E-19	0.4427289E-06	0.3714113E-15	1.000000
0.6300000E-09	0.6600000E-09	0.6450000E-09	0.1393169E-10	0.1225761E-19	0.4643897E-06	0.4085869E-15	1.000000
0.6600000E-09	0.6900000E-09	0.6750000E-09	0.1458152E-10	0.1342606E-19	0.4860505E-06	0.4475354E-15	1.000000
0.6900000E-09	0.7200000E-09	0.7050000E-09	0.1522694E-10	0.1464347E-19	0.5075648E-06	0.4881157E-15	1.000000
0.7200000E-09	0.7600000E-09	0.7400000E-09	0.2130953E-10	0.2151037E-19	0.5327383E-06	0.5377592E-15	1.000000
0.7600000E-09	0.8000000E-09	0.7800000E-09	0.2246282E-10	0.2390018E-19	0.5615705E-06	0.5975044E-15	1.000000
0.8000000E-09	0.8400000E-09	0.8200000E-09	0.2361611E-10	0.2641584E-19	0.5904028E-06	0.6603961E-15	1.000000
0.8400000E-09	0.8800000E-09	0.8600000E-09	0.2476941E-10	0.2905737E-19	0.6192351E-06	0.7264341E-15	1.000000
0.8800000E-09	0.9200000E-09	0.9000000E-09	0.2591684E-10	0.3181755E-19	0.6479210E-06	0.7954388E-15	1.000000
0.9200000E-09	0.9600000E-09	0.9400000E-09	0.2707010E-10	0.3471042E-19	0.6767533E-06	0.8677616E-15	1.000000
0.9600000E-09	0.1000000E-08	0.9800000E-09	0.2822342E-10	0.3772923E-19	0.7055855E-06	0.9432306E-15	1.000000
0.1000000E-08	0.1050000E-08	0.1025000E-08	0.3689652E-10	0.5158832E-19	0.7379303E-06	0.1031766E-14	1.000000
0.1050000E-08	0.1100000E-08	0.1075000E-08	0.3869671E-10	0.5674462E-19	0.7739341E-06	0.1134892E-14	1.000000
0.1100000E-08	0.1150000E-08	0.1125000E-08	0.4049689E-10	0.6214646E-19	0.8099377E-06	0.1242929E-14	1.000000
0.1150000E-08	0.1200000E-08	0.1175000E-08	0.4229708E-10	0.6779386E-19	0.8459414E-06	0.1355877E-14	1.000000
0.1200000E-08	0.1275000E-08	0.1237500E-08	0.6682646E-10	0.1128069E-18	0.8910194E-06	0.1504092E-14	1.000000
0.1275000E-08	0.1350000E-08	0.1312500E-08	0.7087689E-10	0.1268955E-18	0.9450251E-06	0.1691940E-14	1.000000

0.1350000E-08	0.1425000E-08	0.1387500E-08	0.7492731E-10	0.1418128E-18	0.9990307E-06	0.1890837E-14	1.000000
0.1425000E-08	0.1500000E-08	0.1462500E-08	0.7897771E-10	0.1575588E-18	0.1053036E-05	0.2100783E-14	1.000000
0.1500000E-08	0.1600000E-08	0.1550000E-08	0.1115969E-09	0.2359533E-18	0.1115969E-05	0.2359533E-14	1.000000
0.1600000E-08	0.1700000E-08	0.1650000E-08	0.1187977E-09	0.2673833E-18	0.1187977E-05	0.2673833E-14	1.000000
0.1700000E-08	0.1800000E-08	0.1750000E-08	0.1259985E-09	0.3007777E-18	0.1259985E-05	0.3007777E-14	1.000000
0.1800000E-08	0.1900000E-08	0.1850000E-08	0.1331991E-09	0.3361360E-18	0.1331992E-05	0.3361364E-14	1.000000
0.1900000E-08	0.2000000E-08	0.1950000E-08	0.1403999E-09	0.3734596E-18	0.1403999E-05	0.3734596E-14	1.000000
0.2000000E-08	0.2100000E-08	0.2050000E-08	0.1475275E-09	0.4125428E-18	0.1475275E-05	0.4125428E-14	1.000000
0.2100000E-08	0.2200000E-08	0.2150000E-08	0.1548454E-09	0.4541287E-18	0.1548454E-05	0.4541287E-14	1.000000
0.2200000E-08	0.2300000E-08	0.2250000E-08	0.1620168E-09	0.4972614E-18	0.1620168E-05	0.4972614E-14	1.000000
0.2300000E-08	0.2400000E-08	0.2350000E-08	0.1691883E-09	0.5423509E-18	0.1691883E-05	0.5423508E-14	1.000000
0.2400000E-08	0.2550000E-08	0.2475000E-08	0.2673936E-09	0.9027519E-18	0.1782624E-05	0.6018346E-14	1.000000
0.2550000E-08	0.2700000E-08	0.2625000E-08	0.2834198E-09	0.1014849E-17	0.1889465E-05	0.6765663E-14	1.000000
0.2700000E-08	0.2800000E-08	0.2750000E-08	0.1980206E-09	0.7428229E-18	0.1980206E-05	0.7428229E-14	1.000000
0.2800000E-08	0.3000000E-08	0.2900000E-08	0.4177020E-09	0.1652368E-17	0.2088510E-05	0.8261839E-14	1.000000
0.3000000E-08	0.3200000E-08	0.3100000E-08	0.4463878E-09	0.1887627E-17	0.2231939E-05	0.9438137E-14	1.000000
0.3200000E-08	0.3400000E-08	0.3300000E-08	0.4750738E-09	0.2138539E-17	0.2375369E-05	0.1069270E-13	1.000000
0.3400000E-08	0.3600000E-08	0.3500000E-08	0.5040524E-09	0.2406500E-17	0.2520262E-05	0.1203250E-13	1.000000
0.3600000E-08	0.3800000E-08	0.3700000E-08	0.5327377E-09	0.2688793E-17	0.2663691E-05	0.1344398E-13	1.000000
0.3800000E-08	0.4000000E-08	0.3900000E-08	0.5617168E-09	0.2988300E-17	0.2808584E-05	0.1494150E-13	1.000000
0.4000000E-08	0.4250000E-08	0.4125000E-08	0.7423943E-09	0.4177349E-17	0.2969577E-05	0.1670940E-13	1.000000
0.4250000E-08	0.4500000E-08	0.4375000E-08	0.7873988E-09	0.4699103E-17	0.3149595E-05	0.1879641E-13	1.000000
0.4500000E-08	0.4750000E-08	0.4625000E-08	0.8324036E-09	0.5251554E-17	0.3329614E-05	0.2100622E-13	1.000000
0.4750000E-08	0.5000000E-08	0.4875000E-08	0.8774083E-09	0.5834700E-17	0.3509633E-05	0.2333880E-13	1.000000
0.5000000E-08	0.5250000E-08	0.5125000E-08	0.9224130E-09	0.6448542E-17	0.3689652E-05	0.2579417E-13	1.000000
0.5250000E-08	0.5500000E-08	0.5375000E-08	0.9674175E-09	0.7093076E-17	0.3869670E-05	0.2837230E-13	1.000000
0.5500000E-08	0.5750000E-08	0.5625000E-08	0.1012422E-08	0.7768307E-17	0.4049689E-05	0.3107322E-13	1.000000
0.5750000E-08	0.6000000E-08	0.5875000E-08	0.1057427E-08	0.8474235E-17	0.4229708E-05	0.3389693E-13	1.000000
0.6000000E-08	0.6300000E-08	0.6150000E-08	0.1328626E-08	0.1114603E-16	0.4428753E-05	0.3715342E-13	1.000000
0.6300000E-08	0.6600000E-08	0.6450000E-08	0.1393169E-08	0.1225761E-16	0.4643897E-05	0.4085869E-13	1.000000
0.6600000E-08	0.6900000E-08	0.6750000E-08	0.1458152E-08	0.1342606E-16	0.4860505E-05	0.4475354E-13	1.000000
0.6900000E-08	0.7200000E-08	0.7050000E-08	0.1522695E-08	0.1464348E-16	0.5075649E-05	0.4881158E-13	1.000000
0.7200000E-08	0.7600000E-08	0.7400000E-08	0.2131536E-08	0.2151625E-16	0.5328846E-05	0.5379069E-13	1.000000
0.7600000E-08	0.8000000E-08	0.7800000E-08	0.2246282E-08	0.2390017E-16	0.5615705E-05	0.5975044E-13	1.000000
0.8000000E-08	0.8400000E-08	0.8200000E-08	0.2361612E-08	0.2641584E-16	0.5904029E-05	0.6603960E-13	1.000000
0.8400000E-08	0.8800000E-08	0.8600000E-08	0.2476941E-08	0.2905737E-16	0.6192352E-05	0.7264341E-13	1.000000
0.8800000E-08	0.9200000E-08	0.9000000E-08	0.2592270E-08	0.3182474E-16	0.6480673E-05	0.7956184E-13	1.000000
0.9200000E-08	0.9600000E-08	0.9400000E-08	0.2707599E-08	0.3471797E-16	0.6768996E-05	0.8679491E-13	1.000000
0.9600000E-08	0.1000000E-07	0.9800000E-08	0.2822927E-08	0.3773705E-16	0.7057318E-05	0.9434262E-13	1.000000

0.1000000E-07	0.1050000E-07	0.1025000E-07	0.3690383E-08	0.5159855E-16	0.7380766E-05	0.1031971E-12	1.000000
0.1050000E-07	0.1100000E-07	0.1075000E-07	0.3870403E-08	0.5675535E-16	0.7740805E-05	0.1135107E-12	1.000000
0.1100000E-07	0.1150000E-07	0.1125000E-07	0.4051152E-08	0.6216892E-16	0.8102304E-05	0.1243378E-12	1.000000
0.1150000E-07	0.1200000E-07	0.1175000E-07	0.4231172E-08	0.6781734E-16	0.8462344E-05	0.1356347E-12	1.000000
0.1200000E-07	0.1275000E-07	0.1237500E-07	0.6684841E-08	0.1128440E-15	0.8913121E-05	0.1504587E-12	1.000000
0.1275000E-07	0.1350000E-07	0.1312500E-07	0.7089884E-08	0.1269348E-15	0.9453178E-05	0.1692463E-12	1.000000
0.1350000E-07	0.1425000E-07	0.1387500E-07	0.7496022E-08	0.1418751E-15	0.9994696E-05	0.1891667E-12	1.000000
0.1425000E-07	0.1500000E-07	0.1462500E-07	0.7901054E-08	0.1576243E-15	0.1053475E-04	0.2101659E-12	1.000000
0.1500000E-07	0.1600000E-07	0.1550000E-07	0.1116555E-07	0.2360772E-15	0.1116555E-04	0.2360772E-12	1.000000
0.1600000E-07	0.1700000E-07	0.1650000E-07	0.1188709E-07	0.2675480E-15	0.1188709E-04	0.2675480E-12	1.000000
0.1700000E-07	0.1800000E-07	0.1750000E-07	0.1260863E-07	0.3009873E-15	0.1260863E-04	0.3009873E-12	1.000000
0.1800000E-07	0.1900000E-07	0.1850000E-07	0.1333017E-07	0.3363951E-15	0.1333017E-04	0.3363950E-12	1.000000
0.1900000E-07	0.2000000E-07	0.1950000E-07	0.1405317E-07	0.3738102E-15	0.1405317E-04	0.3738102E-12	1.000000
0.2000000E-07	0.2100000E-07	0.2050000E-07	0.1476739E-07	0.4129522E-15	0.1476739E-04	0.4129522E-12	1.000000
0.2100000E-07	0.2200000E-07	0.2150000E-07	0.1549917E-07	0.4545578E-15	0.1549917E-04	0.4545578E-12	1.000000
0.2200000E-07	0.2300000E-07	0.2250000E-07	0.1621632E-07	0.4977108E-15	0.1621632E-04	0.4977108E-12	1.000000
0.2300000E-07	0.2400000E-07	0.2350000E-07	0.1694810E-07	0.5432893E-15	0.1694810E-04	0.5432893E-12	1.000000
0.2400000E-07	0.2550000E-07	0.2475000E-07	0.2676132E-07	0.9034934E-15	0.1784088E-04	0.6023289E-12	1.000000
0.2550000E-07	0.2700000E-07	0.2625000E-07	0.2838588E-07	0.1016422E-14	0.1892392E-04	0.6776144E-12	1.000000
0.2700000E-07	0.2800000E-07	0.2750000E-07	0.1983133E-07	0.7439209E-15	0.1983133E-04	0.7439209E-12	1.000000
0.2800000E-07	0.3000000E-07	0.2900000E-07	0.4182871E-07	0.1654682E-14	0.2091437E-04	0.8273418E-12	1.000000
0.3000000E-07	0.3200000E-07	0.3100000E-07	0.4472660E-07	0.1891341E-14	0.2236330E-04	0.9456703E-12	1.000000
0.3200000E-07	0.3400000E-07	0.3300000E-07	0.4759518E-07	0.2142491E-14	0.2379759E-04	0.1071246E-11	1.000000
0.3400000E-07	0.3600000E-07	0.3500000E-07	0.5049304E-07	0.2410692E-14	0.2524652E-04	0.1205346E-11	1.000000
0.3600000E-07	0.3800000E-07	0.3700000E-07	0.5339092E-07	0.2694706E-14	0.2669546E-04	0.1347353E-11	1.000000
0.3800000E-07	0.4000000E-07	0.3900000E-07	0.5625951E-07	0.2992972E-14	0.2812975E-04	0.1496486E-11	1.000000
0.4000000E-07	0.4250000E-07	0.4125000E-07	0.7438584E-07	0.4185587E-14	0.2975431E-04	0.1674234E-11	1.000000
0.4250000E-07	0.4500000E-07	0.4375000E-07	0.7888620E-07	0.4707835E-14	0.3155450E-04	0.1883135E-11	1.000000
0.4500000E-07	0.4750000E-07	0.4625000E-07	0.8338665E-07	0.5260784E-14	0.3335468E-04	0.2104315E-11	1.000000
0.4750000E-07	0.5000000E-07	0.4875000E-07	0.8788724E-07	0.5844436E-14	0.3515487E-04	0.2337773E-11	1.000000
0.5000000E-07	0.5250000E-07	0.5125000E-07	0.9227782E-07	0.6451094E-14	0.3691115E-04	0.2580439E-11	0.9999999
0.5250000E-07	0.5500000E-07	0.5375000E-07	0.9648571E-07	0.7074303E-14	0.3859425E-04	0.2829719E-11	0.9999998
0.5500000E-07	0.5750000E-07	0.5625000E-07	0.1007299E-06	0.7728998E-14	0.4029199E-04	0.3091601E-11	0.9999997
0.5750000E-07	0.6000000E-07	0.5875000E-07	0.1049011E-06	0.8406785E-14	0.4196045E-04	0.3362716E-11	0.9999996
0.6000000E-07	0.6300000E-07	0.6150000E-07	0.1314138E-06	0.1102449E-13	0.4380455E-04	0.3674824E-11	0.9999995
0.6300000E-07	0.6600000E-07	0.6450000E-07	0.1374288E-06	0.1209148E-13	0.4580964E-04	0.4030499E-11	0.9999993
0.6600000E-07	0.6900000E-07	0.6750000E-07	0.1434443E-06	0.1320777E-13	0.4781472E-04	0.4402583E-11	0.9999992
0.6900000E-07	0.7200000E-07	0.7050000E-07	0.1494154E-06	0.1436900E-13	0.4980517E-04	0.4789672E-11	0.9999991
0.7200000E-07	0.7600000E-07	0.7400000E-07	0.2096413E-06	0.2116171E-13	0.5241032E-04	0.5290426E-11	0.9999989

0.7600000E-07	0.8000000E-07	0.7800000E-07	0.2225792E-06	0.2368217E-13	0.5564480E-04	0.5920541E-11	0.9999987
0.8000000E-07	0.8400000E-07	0.8200000E-07	0.2356342E-06	0.2635690E-13	0.5890855E-04	0.6589225E-11	0.9999985
0.8400000E-07	0.8800000E-07	0.8600000E-07	0.2487478E-06	0.2918098E-13	0.6218693E-04	0.7295243E-11	0.9999982
0.8800000E-07	0.9200000E-07	0.9000000E-07	0.2619785E-06	0.3216254E-13	0.6549461E-04	0.8040633E-11	0.9999980
0.9200000E-07	0.9600000E-07	0.9400000E-07	0.2752677E-06	0.3529598E-13	0.6881691E-04	0.8823994E-11	0.9999977
0.9600000E-07	0.1000000E-06	0.9800000E-07	0.2886739E-06	0.3859009E-13	0.7216847E-04	0.9647522E-11	0.9999974
0.1000000E-06	0.1050000E-06	0.1025000E-06	0.3756242E-06	0.5251938E-13	0.7512489E-04	0.1050388E-10	0.9999971
0.1050000E-06	0.1100000E-06	0.1075000E-06	0.3883578E-06	0.5694855E-13	0.7767150E-04	0.1138970E-10	0.9999968
0.1100000E-06	0.1150000E-06	0.1125000E-06	0.4009439E-06	0.6152878E-13	0.8018882E-04	0.1230576E-10	0.9999964
0.1150000E-06	0.1200000E-06	0.1175000E-06	0.4133111E-06	0.6624560E-13	0.8266226E-04	0.1324913E-10	0.9999959
0.1200000E-06	0.1275000E-06	0.1237500E-06	0.6429088E-06	0.1085267E-12	0.8572111E-04	0.1447022E-10	0.9999955
0.1275000E-06	0.1350000E-06	0.1312500E-06	0.6699103E-06	0.1199384E-12	0.8932147E-04	0.1599180E-10	0.9999949
0.1350000E-06	0.1425000E-06	0.1387500E-06	0.6964752E-06	0.1318199E-12	0.9286329E-04	0.1757597E-10	0.9999942
0.1425000E-06	0.1500000E-06	0.1462500E-06	0.7227098E-06	0.1441790E-12	0.9636124E-04	0.1922385E-10	0.9999935
0.1500000E-06	0.1600000E-06	0.1550000E-06	0.1003567E-05	0.2121878E-12	0.1003568E-03	0.2121880E-10	0.9999928
0.1600000E-06	0.1700000E-06	0.1650000E-06	0.1048500E-05	0.2359905E-12	0.1048499E-03	0.2359903E-10	0.9999918
0.1700000E-06	0.1800000E-06	0.1750000E-06	0.1092552E-05	0.2608089E-12	0.1092553E-03	0.2608091E-10	0.9999907
0.1800000E-06	0.1900000E-06	0.1850000E-06	0.1135873E-05	0.2866446E-12	0.1135874E-03	0.2866448E-10	0.9999896
0.1900000E-06	0.2000000E-06	0.1950000E-06	0.1178611E-05	0.3135070E-12	0.1178610E-03	0.3135068E-10	0.9999885
0.2000000E-06	0.2100000E-06	0.2050000E-06	0.1219443E-05	0.3410025E-12	0.1219444E-03	0.3410027E-10	0.9999873
0.2100000E-06	0.2200000E-06	0.2150000E-06	0.1258522E-05	0.3690978E-12	0.1258521E-03	0.3690975E-10	0.9999861
0.2200000E-06	0.2300000E-06	0.2250000E-06	0.1297305E-05	0.3981685E-12	0.1297306E-03	0.3981688E-10	0.9999849
0.2300000E-06	0.2400000E-06	0.2350000E-06	0.1336821E-05	0.4285320E-12	0.1336822E-03	0.4285323E-10	0.9999835
0.2400000E-06	0.2550000E-06	0.2475000E-06	0.2080535E-05	0.7024127E-12	0.1387022E-03	0.4682748E-10	0.9999822
0.2550000E-06	0.2700000E-06	0.2625000E-06	0.2183931E-05	0.7820068E-12	0.1455956E-03	0.5213385E-10	0.9999802
0.2700000E-06	0.2800000E-06	0.2750000E-06	0.1526501E-05	0.5726272E-12	0.1526500E-03	0.5726268E-10	0.9999779
0.2800000E-06	0.3000000E-06	0.2900000E-06	0.3240339E-05	0.1281830E-11	0.1620168E-03	0.6409148E-10	0.9999764
0.3000000E-06	0.3200000E-06	0.3100000E-06	0.3468652E-05	0.1466779E-11	0.1734327E-03	0.7333899E-10	0.9999732
0.3200000E-06	0.3400000E-06	0.3300000E-06	0.3679409E-05	0.1656282E-11	0.1839703E-03	0.8281403E-10	0.9999697
0.3400000E-06	0.3500000E-06	0.3500000E-06	0.3896012E-05	0.1860075E-11	0.1948007E-03	0.9300381E-10	0.9999660
0.3600000E-06	0.3800000E-06	0.3700000E-06	0.4097983E-05	0.2068303E-11	0.2048993E-03	0.1034152E-09	0.9999622
0.3800000E-06	0.4000000E-06	0.3900000E-06	0.4282399E-05	0.2278211E-11	0.2141198E-03	0.1139105E-09	0.9999580
0.4000000E-06	0.4250000E-06	0.4125000E-06	0.5583506E-05	0.3141761E-11	0.2233403E-03	0.1256705E-09	0.9999537
0.4250000E-06	0.4500000E-06	0.4375000E-06	0.5821335E-05	0.3474104E-11	0.2328535E-03	0.1389642E-09	0.9999481
0.4500000E-06	0.4750000E-06	0.4625000E-06	0.6044535E-05	0.3813439E-11	0.2417812E-03	0.1525374E-09	0.9999423
0.4750000E-06	0.5000000E-06	0.4875000E-06	0.6264062E-05	0.4165555E-11	0.2505626E-03	0.1666223E-09	0.9999363
0.5000000E-06	0.5250000E-06	0.5125000E-06	0.6465310E-05	0.4519865E-11	0.2586122E-03	0.1807944E-09	0.9999300
0.5250000E-06	0.5500000E-06	0.5375000E-06	0.6648243E-05	0.4874471E-11	0.2659301E-03	0.1949791E-09	0.9999236
0.5500000E-06	0.5750000E-06	0.5625000E-06	0.6827546E-05	0.5238769E-11	0.2731016E-03	0.2095506E-09	0.9999169

0.5750000E-06	0.6000000E-06	0.5875000E-06	0.7003171E-05	0.5612350E-11	0.2801266E-03	0.2244938E-09	0.9999101
0.6000000E-06	0.6300000E-06	0.6150000E-06	0.8632106E-05	0.7241592E-11	0.2877372E-03	0.2413867E-09	0.9999031
0.6300000E-06	0.6600000E-06	0.6450000E-06	0.8869222E-05	0.7803464E-11	0.2956405E-03	0.2601153E-09	0.9998944
0.6600000E-06	0.6900000E-06	0.6750000E-06	0.9106301E-05	0.8384709E-11	0.3035437E-03	0.2794906E-09	0.9998856
0.6900000E-06	0.7200000E-06	0.7050000E-06	0.9339025E-05	0.8981168E-11	0.3113006E-03	0.2993720E-09	0.9998764
0.7200000E-06	0.7600000E-06	0.7400000E-06	0.1272131E-04	0.1284121E-10	0.3180330E-03	0.3210304E-09	0.9998671
0.7600000E-06	0.8000000E-06	0.7800000E-06	0.1295550E-04	0.1378450E-10	0.3238873E-03	0.3446123E-09	0.9998544
0.8000000E-06	0.8400000E-06	0.8200000E-06	0.1318380E-04	0.1474676E-10	0.3295952E-03	0.3686692E-09	0.9998415
0.8400000E-06	0.8800000E-06	0.8600000E-06	0.1340043E-04	0.1572024E-10	0.3350104E-03	0.3930058E-09	0.9998283
0.8800000E-06	0.9200000E-06	0.9000000E-06	0.1361116E-04	0.1671013E-10	0.3402792E-03	0.4177535E-09	0.9998149
0.9200000E-06	0.9600000E-06	0.9399999E-06	0.1381606E-04	0.1771553E-10	0.3454017E-03	0.4428886E-09	0.9998013
0.9600000E-06	0.1000000E-05	0.9800000E-06	0.1402098E-04	0.1874332E-10	0.3505242E-03	0.4685827E-09	0.9997874
0.1000000E-05	0.1050000E-05	0.1025000E-05	0.1776039E-04	0.2483240E-10	0.3552076E-03	0.4966476E-09	0.9997734
0.1050000E-05	0.1100000E-05	0.1075000E-05	0.1797989E-04	0.2636560E-10	0.3595983E-03	0.5273127E-09	0.9997557
0.1100000E-05	0.1150000E-05	0.1125000E-05	0.1819215E-04	0.2791764E-10	0.3638427E-03	0.5583523E-09	0.9997377
0.1150000E-05	0.1200000E-05	0.1175000E-05	0.1839705E-04	0.2948684E-10	0.3679407E-03	0.5897364E-09	0.9997195
0.1200000E-05	0.1275000E-05	0.1237500E-05	0.2795778E-04	0.4719436E-10	0.3727704E-03	0.6292581E-09	0.9997011
0.1275000E-05	0.1350000E-05	0.1312500E-05	0.2838588E-04	0.5082108E-10	0.3784784E-03	0.6776144E-09	0.9996731
0.1350000E-05	0.1425000E-05	0.1387500E-05	0.2880299E-04	0.5451460E-10	0.3840399E-03	0.7268613E-09	0.9996448
0.1425000E-05	0.1500000E-05	0.1462500E-05	0.2918718E-04	0.5822778E-10	0.3891624E-03	0.7763704E-09	0.9996160
0.1500000E-05	0.1600000E-05	0.1550000E-05	0.3950165E-04	0.8351973E-10	0.3950166E-03	0.8351976E-09	0.9995868
0.1600000E-05	0.1700000E-05	0.1650000E-05	0.4014562E-04	0.9035751E-10	0.4014563E-03	0.9035754E-09	0.9995472
0.1700000E-05	0.1800000E-05	0.1750000E-05	0.4074568E-04	0.9726615E-10	0.4074569E-03	0.9726618E-09	0.9995071
0.1800000E-05	0.1900000E-05	0.1850000E-05	0.4133115E-04	0.1043017E-09	0.4133112E-03	0.1043016E-08	0.9994663
0.1900000E-05	0.2000000E-05	0.1950000E-05	0.4188727E-04	0.1114189E-09	0.4188728E-03	0.1114189E-08	0.9994250
0.2000000E-05	0.2100000E-05	0.2050000E-05	0.4226783E-04	0.1181969E-09	0.4226780E-03	0.1181968E-08	0.9993831
0.2100000E-05	0.2200000E-05	0.2150000E-05	0.4248728E-04	0.1246062E-09	0.4248734E-03	0.1246064E-08	0.9993408
0.2200000E-05	0.2300000E-05	0.2250000E-05	0.4267764E-04	0.1309861E-09	0.4267761E-03	0.1309860E-08	0.9992983
0.2300000E-05	0.2400000E-05	0.2350000E-05	0.4286790E-04	0.1374176E-09	0.4286787E-03	0.1374175E-08	0.9992557
0.2400000E-05	0.2550000E-05	0.2475000E-05	0.6465306E-04	0.2182763E-09	0.4310204E-03	0.1455175E-08	0.9992128
0.2550000E-05	0.2700000E-05	0.2625000E-05	0.6500431E-04	0.2327629E-09	0.4333621E-03	0.1551752E-08	0.9991481
0.2700000E-05	0.2800000E-05	0.2750000E-05	0.4351177E-04	0.1632231E-09	0.4351184E-03	0.1632234E-08	0.9990831
0.2800000E-05	0.3000000E-05	0.2900000E-05	0.8737499E-04	0.3456426E-09	0.4368746E-03	0.1728212E-08	0.9990396
0.3000000E-05	0.3200000E-05	0.3100000E-05	0.8752125E-04	0.3700985E-09	0.4376064E-03	0.1850493E-08	0.9989522
0.3200000E-05	0.3400000E-05	0.3300000E-05	0.8734563E-04	0.3931854E-09	0.4367283E-03	0.1965927E-08	0.9988647
0.3400000E-05	0.3600000E-05	0.3500000E-05	0.8702365E-04	0.4154775E-09	0.4351184E-03	0.2077388E-08	0.9997774
0.3600000E-05	0.3800000E-05	0.3700000E-05	0.8643831E-04	0.4362648E-09	0.4321912E-03	0.2181322E-08	0.9986904
0.3800000E-05	0.4000000E-05	0.3900000E-05	0.8561861E-04	0.4554859E-09	0.4280932E-03	0.2277430E-08	0.9986039
0.4000000E-05	0.4250000E-05	0.4125000E-05	0.1056695E-03	0.5945877E-09	0.4226780E-03	0.2378350E-08	0.9985183

0.4250000E-05	0.4500000E-05	0.4375000E-05	0.1047548E-03	0.6251644E-09	0.4190191E-03	0.2500657E-08	0.9984127
0.4500000E-05	0.4750000E-05	0.4625000E-05	0.1048644E-03	0.6615794E-09	0.4194582E-03	0.2646321E-08	0.9983079
0.4750000E-05	0.5000000E-05	0.4875000E-05	0.1049744E-03	0.6980717E-09	0.4198973E-03	0.2792286E-08	0.9982031
0.5000000E-05	0.5250000E-05	0.5125000E-05	0.1049744E-03	0.7338703E-09	0.4198973E-03	0.2935480E-08	0.9980981
0.5250000E-05	0.5500000E-05	0.5375000E-05	0.1048280E-03	0.7685956E-09	0.4193118E-03	0.3074381E-08	0.9979932
0.5500000E-05	0.5750000E-05	0.5625000E-05	0.1053037E-03	0.8079942E-09	0.4212145E-03	0.3231976E-08	0.9978883
0.5750000E-05	0.6000000E-05	0.5875000E-05	0.1068404E-03	0.8562203E-09	0.4273614E-03	0.3424880E-08	0.9977830
0.6000000E-05	0.6300000E-05	0.6150000E-05	0.1296135E-03	0.1087345E-08	0.4320449E-03	0.3624484E-08	0.9976762
0.6300000E-05	0.6600000E-05	0.6450000E-05	0.1305353E-03	0.1148497E-08	0.4351184E-03	0.3828330E-08	0.9975466
0.6600000E-05	0.6900000E-05	0.6750000E-05	0.1312380E-03	0.1208386E-08	0.4374601E-03	0.4027953E-08	0.9974160
0.6900000E-05	0.7200000E-05	0.7050000E-05	0.1317210E-03	0.1266737E-08	0.4390700E-03	0.4222455E-08	0.9972848
0.7200000E-05	0.7600000E-05	0.7400000E-05	0.1757452E-03	0.1774015E-08	0.4393627E-03	0.4435035E-08	0.9971530
0.7600000E-05	0.8000000E-05	0.7800000E-05	0.1754523E-03	0.1866792E-08	0.4386309E-03	0.4666981E-08	0.9969773
0.8000000E-05	0.8400000E-05	0.8200001E-05	0.1750427E-03	0.1957943E-08	0.4376064E-03	0.4894853E-08	0.9968018
0.8400000E-05	0.8800000E-05	0.8600000E-05	0.1746911E-03	0.2049327E-08	0.4367283E-03	0.5123326E-08	0.9966267
0.8800000E-05	0.9200000E-05	0.8999999E-05	0.1742231E-03	0.2138900E-08	0.4355574E-03	0.5347244E-08	0.9964520
0.9200000E-05	0.9600000E-05	0.9400001E-05	0.1737548E-03	0.2227957E-08	0.4343866E-03	0.5569888E-08	0.9962778
0.9600000E-05	0.1000000E-04	0.9800000E-05	0.1732860E-03	0.2316497E-08	0.4332157E-03	0.5791251E-08	0.9961041
0.1000000E-04	0.1050000E-04	0.1025000E-04	0.2151444E-03	0.3008126E-08	0.4302886E-03	0.6016250E-08	0.9959308
0.1050000E-04	0.1100000E-04	0.1075000E-04	0.2130222E-03	0.3123745E-08	0.4260443E-03	0.6247487E-08	0.9957156
0.1100000E-04	0.1150000E-04	0.1125000E-04	0.2109000E-03	0.3236468E-08	0.4217999E-03	0.6472934E-08	0.9955026
0.1150000E-04	0.1200000E-04	0.1175000E-04	0.2089242E-03	0.3348643E-08	0.4178483E-03	0.6697283E-08	0.9952917
0.1200000E-04	0.1275000E-04	0.1237500E-04	0.3098733E-03	0.5230842E-08	0.4131648E-03	0.6974461E-08	0.9950828
0.1275000E-04	0.1350000E-04	0.1312500E-04	0.3059222E-03	0.5477123E-08	0.4078961E-03	0.7302828E-08	0.9947729
0.1350000E-04	0.1425000E-04	0.1387500E-04	0.3022998E-03	0.5721542E-08	0.4030663E-03	0.7628720E-08	0.9944670
0.1425000E-04	0.1500000E-04	0.1462500E-04	0.2987869E-03	0.5960732E-08	0.3983828E-03	0.7947650E-08	0.9941646
0.1500000E-04	0.1600000E-04	0.1550000E-04	0.3932605E-03	0.8314847E-08	0.3932604E-03	0.8314844E-08	0.9938658
0.1600000E-04	0.1700000E-04	0.1650000E-04	0.3878453E-03	0.8729407E-08	0.3878452E-03	0.8729404E-08	0.9934726
0.1700000E-04	0.1800000E-04	0.1750000E-04	0.3827227E-03	0.9136176E-08	0.3827226E-03	0.9136173E-08	0.9930847
0.1800000E-04	0.1900000E-04	0.1850000E-04	0.3778924E-03	0.9536348E-08	0.3778930E-03	0.9536362E-08	0.9927020
0.1900000E-04	0.2000000E-04	0.1950000E-04	0.3733560E-03	0.9931159E-08	0.3733559E-03	0.9931155E-08	0.9923241
0.2000000E-04	0.2100000E-04	0.2050000E-04	0.3664772E-03	0.1024809E-07	0.3664771E-03	0.1024809E-07	0.9919508
0.2100000E-04	0.2200000E-04	0.2150000E-04	0.3572567E-03	0.1047758E-07	0.3572566E-03	0.1047758E-07	0.9915843
0.2200000E-04	0.2300000E-04	0.2250000E-04	0.3486217E-03	0.1069989E-07	0.3486216E-03	0.1069988E-07	0.9912270
0.2300000E-04	0.2400000E-04	0.2350000E-04	0.3405721E-03	0.1091740E-07	0.3405720E-03	0.1091739E-07	0.9908784
0.2400000E-04	0.2550000E-04	0.2475000E-04	0.4970268E-03	0.1678020E-07	0.3313515E-03	0.1118681E-07	0.9905378
0.2550000E-04	0.2700000E-04	0.2625000E-04	0.4816599E-03	0.1724694E-07	0.3211065E-03	0.1149795E-07	0.9900408
0.2700000E-04	0.2800000E-04	0.2750000E-04	0.3130571E-03	0.1174352E-07	0.3130570E-03	0.1174352E-07	0.9895591
0.2800000E-04	0.3000000E-04	0.2900000E-04	0.6085507E-03	0.2407337E-07	0.3042755E-03	0.1203669E-07	0.9892461

0.3000000E-04	0.3200000E-04	0.3100000E-04	0.5860124E-03	0.2478053E-07	0.2930061E-03	0.1239026E-07	0.9886375
0.3200000E-04	0.3400000E-04	0.3300000E-04	0.5649370E-03	0.2543057E-07	0.2824684E-03	0.1271528E-07	0.9880515
0.3400000E-04	0.3600000E-04	0.3500000E-04	0.5456178E-03	0.2604946E-07	0.2728088E-03	0.1302473E-07	0.9874865
0.3600000E-04	0.3800000E-04	0.3700000E-04	0.5274686E-03	0.2662199E-07	0.2637347E-03	0.1331102E-07	0.9869409
0.3800000E-04	0.4000000E-04	0.3900000E-04	0.5110776E-03	0.2718902E-07	0.2555387E-03	0.1359451E-07	0.9864135
0.4000000E-04	0.4250000E-04	0.4125000E-04	0.6172595E-03	0.3473233E-07	0.2469037E-03	0.1389293E-07	0.9859024
0.4250000E-04	0.4500000E-04	0.4375000E-04	0.5956719E-03	0.3554900E-07	0.2382687E-03	0.1421960E-07	0.9852852
0.4500000E-04	0.4750000E-04	0.4625000E-04	0.5755477E-03	0.3631076E-07	0.2302190E-03	0.1452430E-07	0.9846895
0.4750000E-04	0.5000000E-04	0.4875000E-04	0.5572524E-03	0.3705687E-07	0.2229012E-03	0.1482277E-07	0.9841139
0.5000000E-04	0.5250000E-04	0.5125000E-04	0.5371292E-03	0.3755042E-07	0.2148516E-03	0.1502016E-07	0.9835567
0.5250000E-04	0.5500000E-04	0.5375000E-04	0.5122484E-03	0.3755790E-07	0.2048993E-03	0.1502315E-07	0.9830195
0.5500000E-04	0.5750000E-04	0.5625000E-04	0.4888314E-03	0.3750799E-07	0.1955325E-03	0.1500319E-07	0.9825073
0.5750000E-04	0.6000000E-04	0.5875000E-04	0.4727315E-03	0.3788476E-07	0.1890928E-03	0.1515392E-07	0.9820185
0.6000000E-04	0.6300000E-04	0.6150000E-04	0.5479595E-03	0.4596907E-07	0.1826531E-03	0.1532302E-07	0.9815457
0.6300000E-04	0.6600000E-04	0.6450000E-04	0.5282015E-03	0.4647308E-07	0.1760671E-03	0.1549102E-07	0.9809978
0.6600000E-04	0.6900000E-04	0.6750000E-04	0.5097605E-03	0.4693666E-07	0.1699201E-03	0.1564555E-07	0.9804696
0.6900000E-04	0.7200000E-04	0.7050000E-04	0.4926368E-03	0.4737597E-07	0.1642122E-03	0.1579199E-07	0.9799598
0.7200000E-04	0.7600000E-04	0.7400000E-04	0.6299182E-03	0.6358550E-07	0.1574798E-03	0.1589640E-07	0.9794672
0.7600000E-04	0.8000000E-04	0.7800000E-04	0.6012334E-03	0.6397052E-07	0.1503083E-03	0.1599262E-07	0.9788373
0.8000000E-04	0.8400000E-04	0.8200000E-04	0.5756502E-03	0.6438945E-07	0.1439125E-03	0.1609736E-07	0.9782361
0.8400000E-04	0.8800000E-04	0.8600000E-04	0.5500670E-03	0.6452920E-07	0.1375167E-03	0.1613229E-07	0.9776604
0.8800000E-04	0.9200000E-04	0.9000000E-04	0.5170490E-03	0.6347700E-07	0.1292622E-03	0.1586925E-07	0.9771103
0.9200000E-04	0.9600000E-04	0.9400000E-04	0.4897094E-03	0.6279260E-07	0.1224273E-03	0.1569815E-07	0.9765933
0.9600000E-04	0.1000000E-03	0.9800000E-04	0.4696873E-03	0.6278806E-07	0.1174220E-03	0.1569704E-07	0.9761035
0.1000000E-03	0.1050000E-03	0.1025000E-03	0.5525697E-03	0.7725972E-07	0.1105139E-03	0.1545194E-07	0.9756339
0.1050000E-03	0.1100000E-03	0.1075000E-03	0.5153952E-03	0.7557724E-07	0.1030790E-03	0.1511544E-07	0.9750813
0.1100000E-03	0.1150000E-03	0.1125000E-03	0.4678292E-03	0.7179300E-07	0.9356581E-04	0.1435859E-07	0.9745659
0.1150000E-03	0.1200000E-03	0.1175000E-03	0.4297027E-03	0.6887287E-07	0.8594064E-04	0.1377459E-07	0.9740980
0.1200000E-03	0.1275000E-03	0.1237500E-03	0.6171128E-03	0.1041722E-06	0.8228172E-04	0.1388963E-07	0.9736683
0.1275000E-03	0.1350000E-03	0.1312500E-03	0.5915370E-03	0.1059067E-06	0.7887161E-04	0.1412089E-07	0.9730512
0.1350000E-03	0.1425000E-03	0.1387500E-03	0.5706812E-03	0.1080112E-06	0.7609084E-04	0.1440149E-07	0.9724597
0.1425000E-03	0.1500000E-03	0.1462500E-03	0.5533390E-03	0.1103899E-06	0.7377840E-04	0.1471863E-07	0.9718891
0.1500000E-03	0.1600000E-03	0.1550000E-03	0.7483208E-03	0.1582201E-06	0.7483217E-04	0.1582203E-07	0.9713358
0.1600000E-03	0.1700000E-03	0.1650000E-03	0.7824230E-03	0.1761034E-06	0.7824227E-04	0.1761033E-07	0.9705874
0.1700000E-03	0.1800000E-03	0.1750000E-03	0.7863746E-03	0.1877196E-06	0.7863744E-04	0.1877196E-07	0.9698050
0.1800000E-03	0.1900000E-03	0.1850000E-03	0.7720317E-03	0.1948270E-06	0.7720314E-04	0.1948269E-07	0.9690186
0.1900000E-03	0.2000000E-03	0.1950000E-03	0.7481744E-03	0.1990122E-06	0.7481753E-04	0.1990124E-07	0.9682466
0.2000000E-03	0.2100000E-03	0.2050000E-03	0.7313446E-03	0.2045116E-06	0.7313443E-04	0.2045116E-07	0.9674984
0.2100000E-03	0.2200000E-03	0.2150000E-03	0.7152452E-03	0.2097662E-06	0.7152450E-04	0.2097662E-07	0.9667671

0.2200000E-03	0.2300000E-03	0.2250000E-03	0.6992923E-03	0.2146266E-06	0.6992921E-04	0.2146265E-07	0.9660518
0.2300000E-03	0.2400000E-03	0.2350000E-03	0.6830458E-03	0.2189575E-06	0.6830466E-04	0.2189578E-07	0.9653525
0.2400000E-03	0.2550000E-03	0.2475000E-03	0.9929567E-03	0.3352337E-06	0.6619712E-04	0.2234892E-07	0.9646695
0.2550000E-03	0.2700000E-03	0.2625000E-03	0.9584897E-03	0.3432092E-06	0.6389932E-04	0.2288062E-07	0.9636765
0.2700000E-03	0.2800000E-03	0.2750000E-03	0.6187971E-03	0.2321257E-06	0.6187960E-04	0.2321252E-07	0.9627180
0.2800000E-03	0.3000000E-03	0.2900000E-03	0.1193393E-02	0.4720886E-06	0.5966961E-04	0.2360442E-07	0.9620992
0.3000000E-03	0.3200000E-03	0.3100000E-03	0.1145679E-02	0.4844699E-06	0.5728400E-04	0.2422352E-07	0.9609058
0.3200000E-03	0.3400000E-03	0.3300000E-03	0.1103822E-02	0.4968844E-06	0.5519110E-04	0.2484421E-07	0.9597601
0.3400000E-03	0.3600000E-03	0.3500000E-03	0.1064891E-02	0.5084117E-06	0.5324456E-04	0.2542058E-07	0.9586563
0.3600000E-03	0.3800000E-03	0.3700000E-03	0.1030351E-02	0.5200311E-06	0.5151755E-04	0.2600154E-07	0.9575914
0.3800000E-03	0.4000000E-03	0.3900000E-03	0.9999077E-03	0.5319450E-06	0.4999544E-04	0.2659728E-07	0.9565611
0.4000000E-03	0.4250000E-03	0.4125000E-03	0.1249521E-02	0.7030878E-06	0.4998080E-04	0.2812350E-07	0.9555612
0.4250000E-03	0.4500000E-03	0.4375000E-03	0.1220248E-02	0.7282298E-06	0.4880995E-04	0.2912921E-07	0.9543117
0.4500000E-03	0.4750000E-03	0.4625000E-03	0.1188417E-02	0.7497609E-06	0.4753665E-04	0.2999042E-07	0.9530914
0.4750000E-03	0.5000000E-03	0.4875000E-03	0.1155852E-02	0.7686333E-06	0.4623407E-04	0.3074531E-07	0.9519030
0.5000000E-03	0.5250000E-03	0.5125000E-03	0.1123651E-02	0.7855388E-06	0.4494613E-04	0.3142161E-07	0.9507472
0.5250000E-03	0.5500000E-03	0.5375000E-03	0.1031815E-02	0.7565237E-06	0.4127257E-04	0.3026093E-07	0.9496235
0.5500000E-03	0.5750000E-03	0.5625000E-03	0.9992507E-03	0.7667242E-06	0.3997000E-04	0.3066895E-07	0.9485917
0.5750000E-03	0.6000000E-03	0.5875000E-03	0.9718089E-03	0.7788090E-06	0.3887233E-04	0.3115234E-07	0.9475924
0.6000000E-03	0.6300000E-03	0.6150000E-03	0.1130605E-02	0.9484801E-06	0.3768684E-04	0.3161601E-07	0.9466206
0.6300000E-03	0.6600000E-03	0.6450000E-03	0.1098553E-02	0.9665470E-06	0.3661844E-04	0.3221824E-07	0.9454901
0.6600000E-03	0.6900000E-03	0.6750000E-03	0.1061671E-02	0.9775434E-06	0.3538905E-04	0.3258479E-07	0.9443915
0.6900000E-03	0.7200000E-03	0.7050000E-03	0.1029180E-02	0.9897434E-06	0.3430600E-04	0.3299145E-07	0.9433298
0.7200000E-03	0.7600000E-03	0.7400000E-03	0.1323650E-02	0.1336125E-05	0.3309124E-04	0.3340312E-07	0.9423006
0.7600000E-03	0.8000000E-03	0.7800000E-03	0.1269789E-02	0.1351040E-05	0.3174476E-04	0.3377605E-07	0.9409770
0.8000000E-03	0.8400000E-03	0.8200000E-03	0.1213590E-02	0.1357463E-05	0.3033974E-04	0.3393657E-07	0.9397072
0.8400000E-03	0.8800000E-03	0.8600000E-03	0.1169683E-02	0.1372173E-05	0.2924206E-04	0.3430431E-07	0.9384935
0.8800000E-03	0.9200000E-03	0.9000000E-03	0.1124605E-02	0.1380653E-05	0.2811511E-04	0.3451632E-07	0.9373239
0.9200000E-03	0.9600000E-03	0.9400000E-03	0.1082453E-02	0.1387967E-05	0.2706135E-04	0.3469920E-07	0.9361992
0.9600000E-03	0.1000000E-02	0.9800000E-03	0.1076016E-02	0.1438424E-05	0.2690035E-04	0.3596054E-07	0.9351168
0.1000000E-02	0.1050000E-02	0.1025000E-02	0.1298913E-02	0.1816127E-05	0.2597831E-04	0.3632260E-07	0.9340407
0.1050000E-02	0.1100000E-02	0.1075000E-02	0.1257936E-02	0.1844630E-05	0.2515871E-04	0.3689258E-07	0.9327418
0.1100000E-02	0.1150000E-02	0.1125000E-02	0.1219152E-02	0.1870908E-05	0.2438302E-04	0.3741814E-07	0.9314839
0.1150000E-02	0.1200000E-02	0.1175000E-02	0.1183294E-02	0.1896587E-05	0.2366587E-04	0.3793172E-07	0.9302647
0.1200000E-02	0.1275000E-02	0.1237500E-02	0.1681638E-02	0.2838702E-05	0.2242184E-04	0.3784937E-07	0.9290814
0.1275000E-02	0.1350000E-02	0.1312500E-02	0.1599312E-02	0.2863353E-05	0.2132417E-04	0.3817804E-07	0.9273998
0.1350000E-02	0.1425000E-02	0.1387500E-02	0.1532354E-02	0.2900242E-05	0.2043139E-04	0.3866990E-07	0.9258005
0.1425000E-02	0.1500000E-02	0.1462500E-02	0.1470884E-02	0.2934381E-05	0.1961179E-04	0.3912509E-07	0.9242681
0.1500000E-02	0.1600000E-02	0.1550000E-02	0.1877755E-02	0.3970204E-05	0.1877756E-04	0.3970206E-07	0.9227973

0.1600000E-02	0.1700000E-02	0.1650000E-02	0.1792870E-02	0.4035292E-05	0.1792869E-04	0.4035290E-07	0.9209195
0.1700000E-02	0.1800000E-02	0.1750000E-02	0.1712372E-02	0.4087694E-05	0.1712373E-04	0.4087696E-07	0.9191266
0.1800000E-02	0.1900000E-02	0.1850000E-02	0.1645050E-02	0.4151385E-05	0.1645049E-04	0.4151383E-07	0.9174142
0.1900000E-02	0.2000000E-02	0.1950000E-02	0.1579189E-02	0.4200596E-05	0.1579188E-04	0.4200593E-07	0.9157692
0.2000000E-02	0.2100000E-02	0.2050000E-02	0.1513325E-02	0.4231832E-05	0.1513328E-04	0.4231839E-07	0.9141901
0.2100000E-02	0.2200000E-02	0.2150000E-02	0.1453030E-02	0.4261428E-05	0.1453029E-04	0.4261425E-07	0.9126768
0.2200000E-02	0.2300000E-02	0.2250000E-02	0.1391414E-02	0.4270522E-05	0.1391413E-04	0.4270520E-07	0.9112237
0.2300000E-02	0.2400000E-02	0.2350000E-02	0.1332139E-02	0.4270312E-05	0.1332138E-04	0.4270309E-07	0.9098323
0.2400000E-02	0.2550000E-02	0.2475000E-02	0.1918956E-02	0.6478618E-05	0.1279304E-04	0.4319079E-07	0.9085001
0.2550000E-02	0.2700000E-02	0.2625000E-02	0.1830922E-02	0.6556038E-05	0.1220615E-04	0.4370692E-07	0.9065812
0.2700000E-02	0.2800000E-02	0.2750000E-02	0.1181974E-02	0.4433869E-05	0.1181976E-04	0.4433876E-07	0.9047502
0.2800000E-02	0.3000000E-02	0.2900000E-02	0.2324731E-02	0.9196296E-05	0.1162365E-04	0.4598145E-07	0.9035683
0.3000000E-02	0.3200000E-02	0.3100000E-02	0.2259161E-02	0.9553246E-05	0.1129581E-04	0.4776626E-07	0.9012435
0.3200000E-02	0.3400000E-02	0.3300000E-02	0.2193303E-02	0.9873129E-05	0.1096651E-04	0.4936561E-07	0.8989844
0.3400000E-02	0.3600000E-02	0.3500000E-02	0.2244231E-02	0.1071465E-04	0.1122116E-04	0.5357326E-07	0.8967910
0.3600000E-02	0.3800000E-02	0.3700000E-02	0.2310973E-02	0.1166377E-04	0.1155486E-04	0.5831880E-07	0.8945468
0.3800000E-02	0.4000000E-02	0.3900000E-02	0.2240721E-02	0.1192051E-04	0.1120360E-04	0.5960249E-07	0.8922358
0.4000000E-02	0.4250000E-02	0.4125000E-02	0.2679426E-02	0.1507675E-04	0.1071770E-04	0.6030699E-07	0.8899951
0.4250000E-02	0.4500000E-02	0.4375000E-02	0.2606973E-02	0.1555811E-04	0.1042791E-04	0.6223254E-07	0.8873157
0.4500000E-02	0.4750000E-02	0.4625000E-02	0.2535263E-02	0.1599473E-04	0.1014105E-04	0.6397891E-07	0.8847087
0.4750000E-02	0.5000000E-02	0.4875000E-02	0.2422203E-02	0.1610747E-04	0.9688812E-05	0.6442987E-07	0.8821734
0.5000000E-02	0.5250000E-02	0.5125000E-02	0.2239989E-02	0.1565965E-04	0.8959956E-05	0.6263859E-07	0.8797512
0.5250000E-02	0.5500000E-02	0.5375000E-02	0.2153273E-02	0.1578773E-04	0.8613090E-05	0.6315091E-07	0.8775112
0.5500000E-02	0.5750000E-02	0.5625000E-02	0.2109000E-02	0.1618234E-04	0.8435999E-05	0.6472935E-07	0.8753579
0.5750000E-02	0.6000000E-02	0.5875000E-02	0.2099121E-02	0.1682238E-04	0.8396481E-05	0.6728951E-07	0.8732489
0.6000000E-02	0.6300000E-02	0.6150000E-02	0.2605880E-02	0.2186109E-04	0.8686269E-05	0.7287031E-07	0.8711498
0.6300000E-02	0.6600000E-02	0.6450000E-02	0.2525091E-02	0.2221667E-04	0.8416971E-05	0.7405557E-07	0.8685440
0.6600000E-02	0.6900000E-02	0.6750000E-02	0.2446498E-02	0.2252635E-04	0.8154994E-05	0.7508783E-07	0.8660189
0.6900000E-02	0.7200000E-02	0.7050000E-02	0.2370100E-02	0.2279281E-04	0.7900333E-05	0.7597605E-07	0.8635724
0.7200000E-02	0.7600000E-02	0.7400000E-02	0.3089884E-02	0.3119005E-04	0.7724705E-05	0.7797508E-07	0.8612023
0.7600000E-02	0.8000000E-02	0.7800000E-02	0.2896693E-02	0.3082047E-04	0.7241727E-05	0.7705112E-07	0.8581124
0.8000000E-02	0.8400000E-02	0.8200000E-02	0.2969279E-02	0.3321292E-04	0.7423209E-05	0.8303243E-07	0.8552157
0.8400000E-02	0.8800000E-02	0.8600000E-02	0.2901962E-02	0.3404335E-04	0.7254900E-05	0.8510833E-07	0.8522465
0.8800000E-02	0.9200000E-02	0.9000000E-02	0.2873861E-02	0.3528178E-04	0.7184648E-05	0.8820438E-07	0.8493445
0.9200000E-02	0.9600000E-02	0.9400001E-02	0.2783706E-02	0.3569385E-04	0.6959261E-05	0.8923458E-07	0.8464707
0.9600000E-02	0.1000000E-01	0.9800000E-02	0.2747403E-02	0.3672744E-04	0.6868519E-05	0.9181876E-07	0.8436869
0.1000000E-01	0.1050000E-01	0.1025000E-01	0.3251314E-02	0.4545954E-04	0.6502627E-05	0.9091905E-07	0.8409395
0.1050000E-01	0.1100000E-01	0.1075000E-01	0.3153255E-02	0.4623914E-04	0.6306509E-05	0.9247827E-07	0.8376882
0.1100000E-01	0.1150000E-01	0.1125000E-01	0.3012752E-02	0.4623365E-04	0.6025504E-05	0.9246729E-07	0.8345349

0.1150000E-01	0.1200000E-01	0.1175000E-01	0.2901521E-02	0.4650566E-04	0.5803041E-05	0.9301130E-07	0.8315222
0.1200000E-01	0.1275000E-01	0.1237500E-01	0.4067982E-02	0.6866990E-04	0.5423978E-05	0.9155991E-07	0.8286207
0.1275000E-01	0.1350000E-01	0.1312500E-01	0.3924191E-02	0.7025735E-04	0.5232251E-05	0.9367639E-07	0.8245527
0.1350000E-01	0.1425000E-01	0.1387500E-01	0.3768316E-02	0.7132194E-04	0.5024424E-05	0.9509583E-07	0.8206285
0.1425000E-01	0.1500000E-01	0.1462500E-01	0.3626717E-02	0.7235219E-04	0.4835624E-05	0.9646963E-07	0.8168602
0.1500000E-01	0.1600000E-01	0.1550000E-01	0.4768306E-02	0.1008180E-03	0.4768301E-05	0.1008179E-06	0.8132335
0.1600000E-01	0.1700000E-01	0.1650000E-01	0.4567793E-02	0.1028093E-03	0.4567792E-05	0.1028093E-06	0.8084652
0.1700000E-01	0.1800000E-01	0.1750000E-01	0.4343858E-02	0.1036945E-03	0.4343866E-05	0.1036947E-06	0.8038974
0.1800000E-01	0.1900000E-01	0.1850000E-01	0.4193120E-02	0.1058160E-03	0.4193119E-05	0.1058159E-06	0.7995535
0.1900000E-01	0.2000000E-01	0.1950000E-01	0.4097988E-02	0.1090053E-03	0.4097987E-05	0.1090052E-06	0.7953604
0.2000000E-01	0.2100000E-01	0.2050000E-01	0.3874062E-02	0.1083335E-03	0.3874061E-05	0.1083334E-06	0.7912624
0.2100000E-01	0.2200000E-01	0.2150000E-01	0.3736487E-02	0.1095832E-03	0.3736486E-05	0.1095832E-06	0.7873883
0.2200000E-01	0.2300000E-01	0.2250000E-01	0.3610620E-02	0.1108170E-03	0.3610619E-05	0.1108170E-06	0.7836518
0.2300000E-01	0.2400000E-01	0.2350000E-01	0.3443772E-02	0.1103937E-03	0.3443772E-05	0.1103937E-06	0.7800412
0.2400000E-01	0.2550000E-01	0.2475000E-01	0.4948316E-02	0.1670609E-03	0.3298879E-05	0.1113740E-06	0.7765974
0.2550000E-01	0.2700000E-01	0.2625000E-01	0.4838555E-02	0.1732556E-03	0.3225701E-05	0.1155036E-06	0.7716491
0.2700000E-01	0.2800000E-01	0.2750000E-01	0.3099834E-02	0.1162822E-03	0.3099834E-05	0.1162822E-06	0.7668106
0.2800000E-01	0.3000000E-01	0.2900000E-01	0.5977201E-02	0.2364493E-03	0.2988603E-05	0.1182247E-06	0.7637107
0.3000000E-01	0.3200000E-01	0.3100000E-01	0.5268846E-02	0.2228021E-03	0.2634420E-05	0.1114009E-06	0.7577335
0.3200000E-01	0.3400000E-01	0.3300000E-01	0.5058087E-02	0.2276892E-03	0.2529043E-05	0.1138446E-06	0.7524647
0.3400000E-01	0.3600000E-01	0.3500000E-01	0.4794636E-02	0.2289106E-03	0.2397322E-05	0.1144555E-06	0.7474065
0.3600000E-01	0.3800000E-01	0.3700000E-01	0.4665851E-02	0.2354912E-03	0.2332925E-05	0.1177456E-06	0.7426119
0.3800000E-01	0.4000000E-01	0.3900000E-01	0.4516567E-02	0.2402786E-03	0.2258283E-05	0.1201393E-06	0.7379460
0.4000000E-01	0.4250000E-01	0.4125000E-01	0.5901836E-02	0.3320880E-03	0.2360733E-05	0.1328352E-06	0.7334295
0.4250000E-01	0.4500000E-01	0.4375000E-01	0.5664006E-02	0.3380213E-03	0.2265601E-05	0.1352084E-06	0.7275277
0.4500000E-01	0.4750000E-01	0.4625000E-01	0.5374943E-02	0.3391000E-03	0.2149979E-05	0.1356401E-06	0.7218637
0.4750000E-01	0.5000000E-01	0.4875000E-01	0.4910268E-02	0.3265292E-03	0.1964106E-05	0.1306116E-06	0.7164887
0.5000000E-01	0.5250000E-01	0.5125000E-01	0.4705363E-02	0.3289494E-03	0.1882147E-05	0.1315799E-06	0.7115784
0.5250000E-01	0.5500000E-01	0.5375000E-01	0.4555352E-02	0.3339971E-03	0.1822140E-05	0.1335988E-06	0.7068731
0.5500000E-01	0.5750000E-01	0.5625000E-01	0.4419972E-02	0.3391441E-03	0.1767988E-05	0.1356576E-06	0.7023177
0.5750000E-01	0.6000000E-01	0.5875000E-01	0.4335814E-02	0.3474727E-03	0.1734327E-05	0.1389892E-06	0.6978977
0.6000000E-01	0.6300000E-01	0.6150000E-01	0.5347876E-02	0.4486407E-03	0.1782624E-05	0.1495468E-06	0.6935619
0.6300000E-01	0.6600000E-01	0.6450000E-01	0.5194195E-02	0.4570042E-03	0.1731399E-05	0.1523348E-06	0.6882141
0.6600000E-01	0.6900000E-01	0.6750000E-01	0.5036131E-02	0.4637062E-03	0.1678711E-05	0.1545688E-06	0.6830199
0.6900000E-01	0.7200000E-01	0.7050000E-01	0.4882456E-02	0.4695368E-03	0.1627486E-05	0.1565123E-06	0.6779838
0.7200000E-01	0.7600000E-01	0.7400000E-01	0.6293337E-02	0.6352649E-03	0.1573334E-05	0.1588162E-06	0.6731013
0.7600000E-01	0.8000000E-01	0.7799999E-01	0.6082585E-02	0.6471798E-03	0.1520646E-05	0.1617949E-06	0.6668079
0.8000000E-01	0.8400000E-01	0.8200000E-01	0.5871829E-02	0.6567943E-03	0.1467957E-05	0.1641986E-06	0.6607254
0.8400000E-01	0.8800000E-01	0.8600000E-01	0.5672201E-02	0.6654144E-03	0.1418050E-05	0.1663536E-06	0.6548535

0.8800000E-01	0.9200000E-01	0.9000000E-01	0.5496573E-02	0.6748025E-03	0.1374143E-05	0.1687006E-06	0.6491813
0.9200000E-01	0.9600000E-01	0.9400000E-01	0.5318017E-02	0.6818986E-03	0.1329504E-05	0.1704746E-06	0.6436847
0.9600000E-01	0.1000000	0.9800000E-01	0.5097309E-02	0.6814111E-03	0.1274327E-05	0.1703528E-06	0.6383667
0.1000000	0.1050000	0.1025000	0.6161610E-02	0.8615098E-03	0.1232323E-05	0.1723021E-06	0.6332694
0.1050000	0.1100000	0.1075000	0.5645713E-02	0.8278840E-03	0.1129142E-05	0.1655767E-06	0.6271077
0.1100000	0.1150000	0.1125000	0.5479597E-02	0.8408981E-03	0.1095919E-05	0.1681795E-06	0.6214620
0.1150000	0.1200000	0.1175000	0.5313475E-02	0.8516452E-03	0.1062696E-05	0.1703292E-06	0.6159825
0.1200000	0.1275000	0.1237500	0.7685918E-02	0.1297428E-02	0.1024789E-05	0.1729903E-06	0.6106690
0.1275000	0.1350000	0.1312500	0.7298449E-02	0.1306688E-02	0.9731255E-06	0.1742249E-06	0.6029831
0.1350000	0.1425000	0.1387500	0.7284165E-02	0.1378653E-02	0.9712229E-06	0.1838206E-06	0.5956846
0.1425000	0.1500000	0.1462500	0.7036105E-02	0.1403687E-02	0.9381463E-06	0.1871581E-06	0.5884005
0.1500000	0.1600000	0.1550000	0.9107767E-02	0.1925687E-02	0.9107775E-06	0.1925689E-06	0.5813644
0.1600000	0.1700000	0.1650000	0.8851655E-02	0.1992281E-02	0.8851650E-06	0.1992280E-06	0.5722566
0.1700000	0.1800000	0.1750000	0.8592605E-02	0.2051186E-02	0.8592600E-06	0.2051185E-06	0.5634050
0.1800000	0.1900000	0.1850000	0.8276463E-02	0.2088617E-02	0.8276472E-06	0.2088619E-06	0.5548124
0.1900000	0.2000000	0.1950000	0.7998398E-02	0.2127550E-02	0.7998393E-06	0.2127549E-06	0.5465359
0.2000000	0.2100000	0.2050000	0.7682253E-02	0.2148249E-02	0.7682260E-06	0.2148251E-06	0.5385375
0.2100000	0.2200000	0.2150000	0.7263686E-02	0.2130285E-02	0.7263682E-06	0.2130284E-06	0.5308552
0.2200000	0.2300000	0.2250000	0.6981217E-02	0.2142673E-02	0.6981213E-06	0.2142671E-06	0.5235916
0.2300000	0.2400000	0.2350000	0.6739717E-02	0.2160487E-02	0.6739724E-06	0.2160490E-06	0.5166104
0.2400000	0.2550000	0.2475000	0.9657345E-02	0.3260432E-02	0.6438229E-06	0.2173621E-06	0.5098706
0.2550000	0.2700000	0.2625000	0.9115102E-02	0.3263871E-02	0.6076728E-06	0.2175912E-06	0.5002133
0.2700000	0.2800000	0.2750000	0.5858652E-02	0.2197721E-02	0.5858658E-06	0.2197723E-06	0.4910982
0.2800000	0.3000000	0.2900000	0.1123142E-01	0.4442984E-02	0.5615705E-06	0.2221491E-06	0.4852396
0.3000000	0.3200000	0.3100000	0.1062256E-01	0.4491930E-02	0.5311284E-06	0.2245967E-06	0.4740081
0.3200000	0.3400000	0.3300000	0.1011618E-01	0.4553786E-02	0.5058087E-06	0.2276892E-06	0.4633856
0.3400000	0.3600000	0.3500000	0.9677107E-02	0.4620147E-02	0.4838551E-06	0.2310072E-06	0.4532694
0.3600000	0.3800000	0.3700000	0.9293639E-02	0.4690614E-02	0.4646824E-06	0.2345309E-06	0.4435923
0.3800000	0.4000000	0.3900000	0.8889709E-02	0.4729272E-02	0.4444852E-06	0.2364635E-06	0.4342986
0.4000000	0.4250000	0.4125000	0.1062915E-01	0.5980877E-02	0.4251661E-06	0.2392350E-06	0.4254089
0.4250000	0.4500000	0.4375000	0.1016446E-01	0.6066030E-02	0.4065788E-06	0.2426414E-06	0.4147798
0.4500000	0.4750000	0.4625000	0.9761993E-02	0.6158747E-02	0.3904796E-06	0.2463498E-06	0.4046153
0.4750000	0.5000000	0.4875000	0.9396099E-02	0.6248337E-02	0.3758439E-06	0.2499334E-06	0.3948533
0.5000000	0.5250000	0.5125000	0.9110694E-02	0.6369238E-02	0.3644281E-06	0.2547698E-06	0.3854572
0.5250000	0.5500000	0.5375000	0.8755799E-02	0.6419726E-02	0.3502315E-06	0.2567887E-06	0.3763465
0.5500000	0.5750000	0.5625000	0.8408181E-02	0.6451590E-02	0.3363276E-06	0.2580639E-06	0.3675907
0.5750000	0.6000000	0.5875000	0.8097194E-02	0.6489101E-02	0.3238873E-06	0.2595637E-06	0.3591825
0.6000000	0.6300000	0.6150000	0.9321447E-02	0.7819889E-02	0.3107152E-06	0.2606632E-06	0.3510853
0.6300000	0.6600000	0.6450000	0.8891176E-02	0.7822779E-02	0.2963722E-06	0.2607590E-06	0.3417639

0.6600000	0.6900000	0.6750000	0.8557464E-02	0.7879362E-02	0.2852491E-06	0.2626457E-06	0.3328727
0.6900000	0.7200000	0.7050000	0.8276477E-02	0.7959337E-02	0.2758823E-06	0.2653110E-06	0.3243152
0.7200000	0.7600000	0.7400000	0.1063134E-01	0.1073154E-01	0.2657837E-06	0.2682886E-06	0.3160388
0.7600000	0.8000000	0.7800000	0.1011032E-01	0.1075726E-01	0.2527579E-06	0.2689314E-06	0.3054074
0.8000000	0.8400000	0.8200000	0.9653674E-02	0.1079813E-01	0.2413421E-06	0.2699536E-06	0.2952971
0.8400000	0.8800000	0.8600000	0.9255601E-02	0.1085789E-01	0.2313899E-06	0.2714470E-06	0.2856434
0.8800000	0.9200000	0.9000000	0.8875073E-02	0.1089574E-01	0.2218767E-06	0.2723933E-06	0.2763878
0.9200000	0.9600000	0.9400000	0.8465264E-02	0.1085452E-01	0.2116318E-06	0.2713632E-06	0.2675128
0.9600000	1.0000000	0.9800000	0.8119873E-02	0.1085469E-01	0.2029967E-06	0.2713671E-06	0.2590475
1.0000000	1.1000000	1.0500000	0.1902637E-01	0.2725132E-01	0.1902637E-06	0.2725131E-06	0.2509276
1.1000000	1.2000000	1.1500000	0.1754816E-01	0.2752782E-01	0.1754816E-06	0.2752781E-06	0.2319013
1.2000000	1.3000000	1.2500000	0.1643583E-01	0.2802489E-01	0.1643585E-06	0.2802491E-06	0.2143531
1.3000000	1.4000000	1.3500000	0.1557235E-01	0.2867677E-01	0.1557235E-06	0.2867676E-06	0.1979173
1.4000000	1.5000000	1.4500000	0.1481129E-01	0.2929565E-01	0.1481129E-06	0.2929565E-06	0.1823449
1.5000000	1.6000000	1.5500000	0.1389510E-01	0.2937891E-01	0.1389510E-06	0.2937890E-06	0.1675336
1.6000000	1.7000000	1.6500000	0.1288963E-01	0.2901127E-01	0.1288963E-06	0.2901126E-06	0.1536385
1.7000000	1.8000000	1.7500000	0.1190611E-01	0.2842170E-01	0.1190612E-06	0.2842172E-06	0.1407489
1.8000000	1.9000000	1.8500000	0.1097821E-01	0.2770419E-01	0.1097821E-06	0.2770419E-06	0.1288428
1.9000000	2.0000000	1.9500000	0.1012788E-01	0.2693987E-01	0.1012788E-06	0.2693986E-06	0.1178646
2.0000000	2.1000000	2.0500000	0.9170701E-02	0.2564475E-01	0.9170709E-07	0.2564478E-06	0.1077367
2.1000000	2.2000000	2.1500000	0.8137444E-02	0.2386540E-01	0.8137432E-07	0.2386537E-06	0.9856597E-01
2.2000000	2.3000000	2.2500000	0.7259284E-02	0.2228017E-01	0.7259291E-07	0.2228019E-06	0.9042853E-01
2.3000000	2.4000000	2.3500000	0.6515807E-02	0.2088710E-01	0.6515798E-07	0.2088708E-06	0.8316924E-01
2.4000000	2.5000000	2.4500000	0.5876215E-02	0.1963839E-01	0.5876220E-07	0.1963841E-06	0.7665344E-01
2.5000000	2.6000000	2.5500000	0.5320060E-02	0.1850542E-01	0.5320065E-07	0.1850544E-06	0.7077722E-01
2.6000000	2.7000000	2.6500000	0.4837095E-02	0.1748528E-01	0.4837088E-07	0.1748526E-06	0.6545717E-01
2.7000000	2.8000000	2.7500000	0.4412649E-02	0.1655291E-01	0.4412653E-07	0.1655292E-06	0.6062007E-01
2.8000000	2.9000000	2.8500000	0.4040913E-02	0.1570965E-01	0.4040907E-07	0.1570963E-06	0.5620742E-01
2.9000000	3.0000000	2.9500000	0.3721847E-02	0.1497693E-01	0.3721850E-07	0.1497694E-06	0.5216651E-01
3.0000000	3.1000000	3.0500000	0.3420352E-02	0.1423026E-01	0.3420355E-07	0.1423027E-06	0.4844466E-01
3.1000000	3.2000000	3.1500000	0.3133500E-02	0.1346426E-01	0.3133496E-07	0.1346424E-06	0.4502431E-01
3.2000000	3.3000000	3.2500000	0.2886151E-02	0.1279513E-01	0.2886154E-07	0.1279514E-06	0.4189081E-01
3.3000000	3.4000000	3.3500000	0.2668086E-02	0.1219233E-01	0.2668082E-07	0.1219231E-06	0.3900466E-01
3.4000000	3.5000000	3.4500000	0.2473426E-02	0.1164019E-01	0.2473428E-07	0.1164020E-06	0.3633657E-01
3.5000000	3.6000000	3.5500000	0.2300725E-02	0.1114128E-01	0.2300727E-07	0.1114129E-06	0.3386315E-01
3.6000000	3.7000000	3.6500000	0.2145592E-02	0.1068273E-01	0.2145589E-07	0.1068271E-06	0.3156242E-01
3.7000000	3.8000000	3.7500000	0.2005084E-02	0.1025666E-01	0.2005086E-07	0.1025667E-06	0.2941683E-01
3.8000000	3.9000000	3.8500000	0.1879222E-02	0.9869176E-02	0.1879219E-07	0.9869162E-07	0.2741175E-01
3.9000000	4.0000000	3.9500000	0.1763596E-02	0.9502512E-02	0.1763598E-07	0.9502521E-07	0.2553253E-01

4.000000	4.100000	4.050000	0.1650902E-02	0.9120495E-02	0.1650903E-07	0.9120504E-07	0.2376893E-01
4.100000	4.200000	4.150000	0.1539671E-02	0.8716017E-02	0.1539672E-07	0.8716025E-07	0.2211803E-01
4.200000	4.300000	4.250000	0.1439863E-02	0.8347417E-02	0.1439857E-07	0.8347386E-07	0.2057836E-01
4.300000	4.400000	4.350000	0.1349554E-02	0.8007956E-02	0.1349555E-07	0.8007964E-07	0.1913849E-01
4.400000	4.500000	4.450000	0.1267594E-02	0.7694533E-02	0.1267595E-07	0.7694540E-07	0.1778894E-01
4.500000	4.600000	4.550000	0.1192220E-02	0.7399630E-02	0.1192221E-07	0.7399637E-07	0.1652135E-01
4.600000	4.700000	4.650000	0.1123433E-02	0.7125941E-02	0.1123434E-07	0.7125948E-07	0.1532913E-01
4.700000	4.800000	4.750000	0.1059919E-02	0.6867655E-02	0.1059915E-07	0.6867629E-07	0.1420570E-01
4.800000	4.900000	4.850000	0.1001371E-02	0.6624894E-02	0.1001372E-07	0.6624901E-07	0.1314578E-01
4.900000	5.000000	4.950000	0.9472196E-03	0.6395846E-02	0.9472204E-08	0.6395852E-07	0.1214541E-01
5.000000	5.100000	5.050000	0.8809199E-03	0.6068341E-02	0.8809208E-08	0.6068347E-07	0.1119719E-01
5.100000	5.200000	5.150000	0.8056927E-03	0.5660031E-02	0.8056935E-08	0.5660036E-07	0.1031627E-01
5.200000	5.300000	5.250000	0.7385184E-03	0.5288870E-02	0.7385156E-08	0.5288850E-07	0.9510573E-02
5.300000	5.400000	5.350000	0.6783625E-03	0.4950600E-02	0.6783631E-08	0.4950605E-07	0.8772055E-02
5.400000	5.500000	5.450000	0.6242106E-03	0.4640554E-02	0.6242112E-08	0.4640559E-07	0.8093692E-02
5.500000	5.600000	5.550000	0.5754738E-03	0.4356731E-02	0.5754744E-08	0.4356735E-07	0.7469482E-02
5.600000	5.700000	5.650000	0.5317132E-03	0.4097963E-02	0.5317137E-08	0.4097967E-07	0.6894008E-02
5.700000	5.800000	5.750000	0.4919067E-03	0.3858271E-02	0.4919048E-08	0.3858256E-07	0.6362295E-02
5.800000	5.900000	5.850000	0.4559006E-03	0.3638046E-02	0.4559010E-08	0.3638050E-07	0.5870388E-02
5.900000	6.000000	5.950000	0.4228240E-03	0.3431775E-02	0.4228244E-08	0.3431778E-07	0.5414487E-02
6.000000	6.100000	6.050000	0.3897474E-03	0.3216480E-02	0.3897478E-08	0.3216483E-07	0.4991663E-02
6.100000	6.200000	6.150000	0.3571099E-03	0.2995844E-02	0.3571102E-08	0.2995846E-07	0.4601916E-02
6.200000	6.300000	6.250000	0.3265229E-03	0.2783787E-02	0.3265217E-08	0.2783776E-07	0.4244806E-02
6.300000	6.400000	6.350000	0.2976892E-03	0.2578571E-02	0.2976895E-08	0.2578573E-07	0.3918283E-02
6.400000	6.500000	6.450000	0.2714914E-03	0.2388679E-02	0.2714916E-08	0.2388682E-07	0.3620593E-02
6.500000	6.600000	6.550000	0.2480743E-03	0.2216487E-02	0.2480745E-08	0.2216489E-07	0.3349102E-02
6.600000	6.700000	6.650000	0.2271453E-03	0.2060476E-02	0.2271455E-08	0.2060478E-07	0.3101028E-02
6.700000	6.800000	6.750000	0.2085591E-03	0.1920327E-02	0.2085583E-08	0.1920319E-07	0.2873882E-02
6.800000	6.900000	6.850000	0.1923125E-03	0.1796968E-02	0.1923127E-08	0.1796970E-07	0.2665323E-02
6.900000	7.000000	6.950000	0.1773841E-03	0.1681674E-02	0.1773843E-08	0.1681675E-07	0.2473010E-02
7.000000	7.100000	7.050000	0.1637729E-03	0.1574974E-02	0.1637731E-08	0.1574976E-07	0.2295626E-02
7.100000	7.200000	7.150000	0.1514790E-03	0.1477409E-02	0.1514792E-08	0.1477411E-07	0.2131853E-02
7.200000	7.300000	7.250000	0.1400932E-03	0.1385470E-02	0.1400926E-08	0.1385465E-07	0.1980374E-02
7.300000	7.400000	7.350000	0.1295548E-03	0.1298922E-02	0.1295549E-08	0.1298923E-07	0.1840281E-02
7.400000	7.500000	7.450000	0.1199245E-03	0.1218727E-02	0.1199246E-08	0.1218728E-07	0.1710726E-02
7.500000	7.600000	7.550000	0.1110700E-03	0.1143894E-02	0.1110701E-08	0.1143895E-07	0.1590802E-02
7.600000	7.700000	7.650000	0.1028594E-03	0.1073365E-02	0.1028595E-08	0.1073366E-07	0.1479732E-02
7.700000	7.799990	7.749995	0.9534218E-04	0.1007926E-02	0.9535137E-09	0.1008023E-07	0.1376873E-02
7.799990	7.899990	7.849990	0.8857496E-04	0.9484671E-03	0.8857505E-09	0.9484680E-08	0.1281530E-02

7.899990	7.999990	7.949990	0.8239872E-04	0.8935714E-03	0.8239880E-09	0.8935722E-08	0.1192955E-02
7.999990	8.099990	8.049990	0.7669083E-04	0.8421335E-03	0.7669090E-09	0.8421343E-08	0.1110557E-02
8.099990	8.200000	8.149995	0.7137059E-04	0.7934486E-03	0.7136351E-09	0.7933699E-08	0.1033866E-02
8.200000	8.300000	8.250000	0.6643154E-04	0.7476020E-03	0.6643129E-09	0.7475991E-08	0.9624953E-03
8.300000	8.400000	8.350000	0.6183534E-04	0.7043126E-03	0.6183570E-09	0.7043166E-08	0.8960637E-03
8.400000	8.500000	8.450000	0.5757694E-04	0.6636628E-03	0.5757672E-09	0.6636603E-08	0.8342284E-03
8.500000	8.600000	8.550000	0.5359603E-04	0.6250876E-03	0.5359582E-09	0.6250853E-08	0.7766515E-03
8.600000	8.700000	8.650000	0.4989270E-04	0.5887017E-03	0.4989299E-09	0.5887051E-08	0.7230554E-03
8.700000	8.800000	8.750000	0.4643915E-04	0.5542868E-03	0.4643897E-09	0.5542846E-08	0.6731628E-03
8.800000	8.900000	8.850000	0.4323351E-04	0.5219225E-03	0.4323376E-09	0.5219255E-08	0.6267236E-03
8.900000	9.000000	8.950000	0.4026287E-04	0.4915526E-03	0.4026272E-09	0.4915507E-08	0.5834901E-03
9.000000	9.100000	9.050000	0.3749672E-04	0.4628967E-03	0.3749658E-09	0.4628949E-08	0.5432272E-03
9.100000	9.200000	9.150000	J.3492050E-04	0.4358567E-03	0.3492070E-09	0.4358592E-08	0.5057305E-03
9.200000	9.300000	9.250000	0.3252057E-04	0.4103384E-03	0.3252045E-09	0.4103368E-08	0.4708100E-03
9.300000	9.400000	9.350000	0.3029565E-04	0.3863974E-03	0.3029583E-09	0.3863996E-08	0.4382894E-03
9.400000	9.500000	9.450000	0.2821767E-04	0.3637434E-03	0.2821756E-09	0.3637420E-08	0.4079937E-03
9.500000	9.600000	9.550000	0.2627112E-04	0.3422348E-03	0.2627102E-09	0.3422335E-08	0.3797761E-03
9.600000	9.700000	9.650000	0.2447069E-04	0.3221185E-03	0.2447083E-09	0.3221204E-08	0.3535049E-03
9.700000	9.800000	9.750000	0.2278782E-04	0.3030746E-03	0.2278773E-09	0.3030734E-08	0.3290342E-03
9.800000	9.900000	9.850000	0.2120696E-04	0.2849422E-03	0.2120708E-09	0.2849439E-08	0.3062464E-03
9.900000	10.00000	9.950000	0.1974359E-04	0.2679731E-03	0.1974351E-09	0.2679721E-08	0.2850395E-03
10.00000	10.10000	10.05000	0.1836783E-04	0.2518060E-03	0.1836776E-09	0.2518051E-08	0.2652959E-03
10.10000	10.20000	10.15000	0.1709436E-04	0.2366798E-03	0.1709446E-09	0.2366811E-08	0.2469280E-03
10.20000	10.30000	10.25000	0.1592367E-04	0.2226431E-03	0.1592361E-09	0.2226423E-08	0.2298337E-03
10.30000	10.40000	10.35000	0.1481120E-04	0.2091091E-03	0.1481129E-09	0.2091103E-08	0.2139100E-03
10.40000	10.50000	10.45000	0.1379124E-04	0.1965902E-03	0.1379119E-09	0.1965895E-08	0.1990988E-03
10.50000	10.60000	10.55000	0.1283699E-04	0.1847387E-03	0.1283694E-09	0.1847380E-08	0.1853076E-03
10.60000	10.70000	10.65000	0.1194703E-04	0.1735609E-03	0.1194710E-09	0.1735618E-08	0.1724706E-03
10.70000	10.80000	10.75000	0.1112022E-04	0.1630663E-03	0.1112018E-09	0.1630656E-08	0.1605235E-03
10.80000	10.90000	10.85000	0.1034736E-04	0.1531445E-03	0.1034742E-09	0.1531454E-08	0.1494033E-03
10.90000	11.00000	10.95000	0.9630306E-05	0.1438455E-03	0.9630269E-10	0.1438450E-08	0.1390560E-03
11.00000	11.10000	11.05000	0.8961453E-05	0.1350775E-03	0.8961419E-10	0.1350769E-08	0.1294257E-03
11.10000	11.20000	11.15000	0.8337891E-05	0.1268158E-03	0.8337939E-10	0.1268165E-08	0.1204642E-03
11.20000	11.30000	11.25000	0.7755469E-05	0.1190153E-03	0.7755439E-10	0.1190148E-08	0.1121263E-03
11.30000	11.40000	11.35000	0.7212416E-05	0.1116654E-03	0.7212457E-10	0.1116661E-08	0.1043708E-03
11.40000	11.50000	11.45000	0.6707552E-05	0.1047639E-03	0.6707526E-10	0.1047635E-08	0.9715842E-04
11.50000	11.60000	11.55000	0.6237745E-05	0.9827699E-04	0.6237721E-10	0.9827662E-09	0.9045087E-04
11.60000	11.70000	11.65000	0.5804472E-05	0.9224244E-04	0.5804505E-10	0.9224297E-09	0.8421313E-04
11.70000	11.80000	11.75000	0.5403509E-05	0.8660759E-04	0.5403488E-10	0.8660725E-09	0.7840865E-04

11.80000	11.90000	11.85000	0.5030249E-05	0.8131113E-04	0.5030278E-10	0.8131160E-09	0.7300514E-04
11.90000	12.00000	11.95000	0.4684895E-05	0.7636775E-04	0.4684877E-10	0.7636746E-09	0.6797489E-04
12.00000	12.10000	12.05000	0.4368763E-05	0.7181046E-04	0.4368746E-10	0.7181018E-09	0.6329000E-04
12.10000	12.20000	12.15000	0.4078937E-05	0.6760292E-04	0.4078960E-10	0.6760330E-09	0.5892123E-04
12.20000	12.30000	12.25000	0.3811143E-05	0.6368446E-04	0.3811128E-10	0.6368422E-09	0.5484229E-04
12.30000	12.40000	12.35000	0.3562301E-05	0.6001223E-04	0.3562321E-10	0.6001257E-09	0.5103115E-04
12.40000	12.50000	12.45000	0.3329627E-05	0.5654668E-04	0.3329614E-10	0.5654646E-09	0.4746885E-04
12.50000	12.60000	12.55000	0.3108628E-05	0.5321753E-04	0.3108616E-10	0.5321732E-09	0.4413922E-04
12.60000	12.70000	12.65000	0.2900772E-05	0.5005487E-04	0.2900789E-10	0.5005515E-09	0.4103059E-04
12.70000	12.80000	12.75000	0.2704681E-05	0.4704012E-04	0.2704671E-10	0.4703994E-09	0.3812982E-04
12.80000	12.90000	12.85000	0.2520248E-05	0.4417622E-04	0.2520262E-10	0.4417647E-09	0.3542514E-04
12.90000	13.00000	12.95000	0.2346106E-05	0.4144380E-04	0.2346097E-10	0.4144364E-09	0.3290490E-04
13.00000	13.10000	13.05000	0.2182186E-05	0.3884584E-04	0.2182178E-10	0.3884569E-09	0.3055879E-04
13.10000	13.20000	13.15000	0.2029955E-05	0.3641282E-04	0.2029967E-10	0.3641303E-09	0.2837660E-04
13.20000	13.30000	13.25000	0.1886544E-05	0.3409769E-04	0.1886537E-10	0.3409756E-09	0.2634665E-04
13.30000	13.40000	13.35000	0.1753343E-05	0.3192937E-04	0.1753353E-10	0.3192956E-09	0.2446010E-04
13.40000	13.50000	13.45000	0.1630419E-05	0.2991326E-04	0.1630413E-10	0.2991315E-09	0.2270676E-04
13.50000	13.60000	13.55000	0.1514798E-05	0.2799859E-04	0.1514792E-10	0.2799848E-09	0.2107634E-04
13.60000	13.70000	13.65000	0.1407797E-05	0.2621289E-04	0.1407805E-10	0.2621304E-09	0.1956154E-04
13.70000	13.80000	13.75000	0.1308141E-05	0.2453576E-04	0.1308136E-10	0.2453566E-09	0.1815375E-04
13.80000	13.90000	13.85000	0.1215339E-05	0.2296092E-04	0.1215346E-10	0.2296106E-09	0.1684560E-04
13.90000	14.00000	13.95000	0.1129146E-05	0.2148655E-04	0.1129142E-10	0.2148646E-09	0.1563026E-04
14.00000	14.10000	14.05000	0.1048796E-05	0.2010062E-04	0.1048792E-10	0.2010055E-09	0.1450112E-04
14.10000	14.20000	14.15000	0.9741445E-06	0.1880278E-04	0.9741501E-11	0.1880289E-09	0.1345232E-04
14.20000	14.30000	14.25000	0.9047803E-06	0.1758734E-04	0.9047769E-11	0.1758727E-09	0.1247818E-04
14.30000	14.40000	14.35000	0.8403752E-06	0.1645005E-04	0.8403800E-11	0.1645015E-09	0.1157340E-04
14.40000	14.50000	14.45000	0.7805232E-06	0.1538494E-04	0.7805202E-11	0.1538488E-09	0.1073302E-04
14.50000	14.60000	14.55000	0.7249074E-06	0.1438758E-04	0.7249046E-11	0.1438752E-09	0.9952500E-05
14.60000	14.70000	14.65000	0.6732367E-06	0.1345388E-04	0.6732406E-11	0.1345396E-09	0.9227593E-05
14.70000	14.80000	14.75000	0.6252381E-06	0.1257997E-04	0.6252357E-11	0.1257992E-09	0.8554356E-05
14.80000	14.90000	14.85000	0.5805936E-06	0.1176091E-04	0.5805969E-11	0.1176097E-09	0.7929118E-05
14.90000	15.00000	14.95000	0.5390336E-06	0.1099257E-04	0.5390316E-11	0.1099253E-09	0.7348524E-05
15.00000	15.10000	15.05000	0.5005417E-06	0.1027588E-04	0.5005398E-11	0.1027584E-09	0.6809491E-05
15.10000	15.20000	15.15000	0.4646798E-06	0.9603036E-05	0.4646825E-11	0.9603091E-10	0.6308949E-05
15.20000	15.30000	15.25000	0.4314612E-06	0.8975398E-05	0.4314595E-11	0.8975364E-10	0.5844269E-05
15.30000	15.40000	15.35000	0.4005759E-06	0.8387555E-05	0.4005782E-11	0.8387602E-10	0.5412808E-05
15.40000	15.50000	15.45000	0.3718937E-06	0.7837715E-05	0.3718923E-11	0.7837685E-10	0.5012232E-05
15.50000	15.60000	15.55000	0.3452567E-06	0.7323433E-05	0.3452554E-11	0.7323406E-10	0.4640338E-05
15.60000	15.70000	15.65000	0.3205193E-06	0.6842434E-05	0.3205211E-11	0.6842474E-10	0.4295081E-05

15.70000	15.80000	15.75000	0.2976906E-06	0.6395698E-05	0.2976895E-11	0.6395673E-10	0.3974562E-05
15.80000	15.90000	15.85000	0.2763198E-06	0.5974252E-05	0.2763214E-11	0.5974286E-10	0.3676871E-05
15.90000	16.00000	15.95000	0.2564179E-06	0.5578933E-05	0.2564169E-11	0.5578911E-10	0.3400552E-05
16.00000	16.10000	16.05000	0.2381232E-06	0.5213375E-05	0.2381223E-11	0.5213355E-10	0.3144134E-05
16.10000	16.20000	16.15000	0.2209995E-06	0.4868621E-05	0.2209986E-11	0.4868602E-10	0.2906010E-05
16.20000	16.30000	16.25000	0.2051889E-06	0.4548303E-05	0.2051920E-11	0.4548372E-10	0.2685011E-05
16.30000	16.40000	16.35000	0.1904107E-06	0.4246697E-05	0.1904100E-11	0.4246681E-10	0.2479822E-05
16.40000	16.50000	16.45000	0.1767996E-06	0.3967248E-05	0.1767989E-11	0.3967233E-10	0.2289411E-05
16.50000	16.60000	16.55000	0.1640664E-06	0.3703905E-05	0.1640658E-11	0.3703891E-10	0.2112612E-05
16.60000	16.70000	16.65000	0.1522115E-06	0.3457036E-05	0.1522109E-11	0.3457023E-10	0.1948545E-05
16.70000	16.80000	16.75000	0.1413344E-06	0.3229275E-05	0.1413366E-11	0.3229324E-10	0.1796334E-05
16.80000	16.90000	16.85000	0.1311800E-06	0.3015155E-05	0.1311795E-11	0.3015143E-10	0.1654999E-05
16.90000	17.00000	16.95000	0.1217546E-06	0.2815122E-05	0.1217541E-11	0.2815111E-10	0.1523819E-05
17.00000	17.10000	17.05000	0.1130024E-06	0.2628175E-05	0.1130020E-11	0.2628165E-10	0.1402065E-05
17.10000	17.20000	17.15000	0.1048796E-06	0.2453564E-05	0.1048792E-11	0.2453555E-10	0.1289063E-05
17.20000	17.30000	17.25000	0.9732570E-07	0.2290123E-05	0.9732718E-12	0.2290158E-10	0.1184183E-05
17.30000	17.40000	17.35000	0.9033169E-07	0.2137872E-05	0.9033134E-12	0.2137864E-10	0.1086857E-05
17.40000	17.50000	17.45000	0.8383342E-07	0.1995514E-05	0.8383310E-12	0.1995507E-10	0.9965255E-06
17.50000	17.60000	17.55000	0.7778886E-07	0.1862245E-05	0.7778856E-12	0.1862237E-10	0.9126920E-06
17.60000	17.70000	17.65000	0.7218339E-07	0.1737898E-05	0.7218312E-12	0.1737891E-10	0.8349032E-06
17.70000	17.80000	17.75000	0.6698642E-07	0.1621912E-05	0.6698745E-12	0.1621937E-10	0.7627198E-06
17.80000	17.90000	17.85000	0.6215792E-07	0.1513481E-05	0.6215768E-12	0.1513475E-10	0.6957333E-06
17.90000	18.00000	17.95000	0.5767939E-07	0.1412301E-05	0.5767918E-12	0.1412296E-10	0.6335754E-06
18.00000	18.10000	18.05000	0.5352284E-07	0.1317828E-05	0.5352264E-12	0.1317823E-10	0.5758960E-06
18.10000	18.20000	18.15000	0.4965900E-07	0.1229467E-05	0.4965881E-12	0.1229462E-10	0.5223731E-06
18.20000	18.30000	18.25000	0.4608701E-07	0.1147317E-05	0.4608771E-12	0.1147335E-10	0.4727141E-06
18.30000	18.40000	18.35000	0.4276558E-07	0.1070465E-05	0.4276542E-12	0.1070461E-10	0.4266271E-06
18.40000	18.50000	18.45000	0.3967744E-07	0.9985785E-06	0.3967729E-12	0.9985746E-11	0.3838615E-06
18.50000	18.60000	18.55000	0.3680884E-07	0.9314042E-06	0.3680870E-12	0.9314006E-11	0.3441841E-06
18.60000	18.70000	18.65000	0.3415978E-07	0.8690327E-06	0.3415965E-12	0.8690294E-11	0.3073752E-06
18.70000	18.80000	18.75000	0.3168574E-07	0.8104146E-06	0.3168622E-12	0.8104270E-11	0.2732155E-06
18.80000	18.90000	18.85000	0.2940316E-07	0.7560449E-06	0.2940305E-12	0.7560420E-11	0.2415297E-06
18.90000	19.00000	18.95000	0.2728098E-07	0.7051985E-06	0.2728088E-12	0.7051958E-11	0.2121266E-06
19.00000	19.10000	19.05000	0.2530517E-07	0.6575766E-06	0.2530507E-12	0.6575741E-11	0.1848456E-06
19.10000	19.20000	19.15000	0.2349034E-07	0.6136212E-06	0.2349025E-12	0.6136188E-11	0.1595404E-06
19.20000	19.30000	19.25000	0.2179218E-07	0.5722338E-06	0.2179251E-12	0.5722426E-11	0.1360501E-06
19.30000	19.40000	19.35000	0.2021194E-07	0.5334958E-06	0.2021186E-12	0.5334938E-11	0.1142579E-06
19.40000	19.50000	19.45000	0.1874836E-07	0.4974221E-06	0.1874829E-12	0.4974202E-11	0.9404595E-07
19.50000	19.60000	19.55000	0.1740188E-07	0.4640716E-06	0.1740181E-12	0.4640698E-11	0.7529759E-07

19.60000	19.70000	19.65000	0.1614320E-07	0.4327075E-06	0.1614314E-12	0.4327058E-11	0.5789571E-07
19.70000	19.80000	19.75000	0.1497206E-07	0.4033582E-06	0.1497229E-12	0.4033644E-11	0.4175251E-07
19.80000	19.90000	19.85000	0.1389223E-07	0.3761618E-06	0.1389218E-12	0.3761604E-11	0.2678045E-07
19.90000	20.00000	19.95000	0.1288822E-07	0.3507341E-06	0.1288817E-12	0.3507328E-11	0.1288822E-07

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MANIPULATE Version 1

Title: list spectrum punch file in tabular format

Control Parameters: 9 0

MANIPULATE Run 5:

Environment:	NIST ^{252}Cf Standard Benchmark Field
	ENDF/B-VI ^{252}Cf Spectrum
File Name:	CF252VI-LIST

Picked up exported job name = cf252vi-list
Blank optical default filled /u3

1

MANIPULATE Version 1
Title: list spectrum punch file in tabular format

Control Parameters: 4 0 1 0 0 0 0 0 0 1 0 1 0
Opening directory location: /u3 /application/manipulate/response/
Opening file: /u3/application/manipulate/response/spectrum/cf252vi.ref-

SAND-II Energy Grid is Imposed

Comment
Average Energy = 2.122682

B-79

Lower Energy MeV	Upper Energy MeV	Mid Energy MeV	Number Fraction	Energy Fraction	Differential Number	Differential Energy	Integral Number
0.1000000E-09	0.1050000E-09	0.1025000E-09	0.3263273E-16	0.1575767E-26	0.6526545E-11	0.3151534E-21	1.000000
0.1050000E-09	0.1100000E-09	0.1075000E-09	0.3341972E-16	0.1692490E-26	0.6683944E-11	0.3384979E-21	1.000000
0.1100000E-09	0.1150000E-09	0.1125000E-09	0.3418667E-16	0.1811857E-26	0.6837333E-11	0.3623715E-21	1.000000
0.1150000E-09	0.1200000E-09	0.1175000E-09	0.3493852E-16	0.1934003E-26	0.6987714E-11	0.3868011E-21	1.000000
0.1200000E-09	0.1275000E-09	0.1237500E-09	0.5378385E-16	0.3135536E-26	0.7171179E-11	0.4180714E-21	1.000000
0.1275000E-09	0.1350000E-09	0.1312500E-09	0.5538541E-16	0.3424597E-26	0.7384721E-11	0.4566129E-21	1.000000
0.1350000E-09	0.1425000E-09	0.1387500E-09	0.5694939E-16	0.3722518E-26	0.7593251E-11	0.4963356E-21	1.000000
0.1425000E-09	0.1500000E-09	0.1462500E-09	0.5846824E-16	0.4028382E-26	0.7795764E-11	0.5371175E-21	1.000000
0.1500000E-09	0.1600000E-09	0.1550000E-09	0.8025347E-16	0.5860171E-26	0.8025346E-11	0.5860170E-21	1.000000
0.1600000E-09	0.1700000E-09	0.1650000E-09	0.8279992E-16	0.6436186E-26	0.8279991E-11	0.6436186E-21	1.000000
0.1700000E-09	0.1800000E-09	0.1750000E-09	0.8527619E-16	0.7030409E-26	0.8527619E-11	0.7030409E-21	1.000000
0.1800000E-09	0.1900000E-09	0.1850000E-09	0.8767226E-16	0.7640974E-26	0.8767226E-11	0.7640973E-21	1.000000

0.1900000E-09	0.2000000E-09	0.1950000E-09	0.9000818E-16	0.8268589E-26	0.9000818E-11	0.8268588E-21	1.000000
0.2000000E-09	0.2100000E-09	0.2050000E-09	0.9229398E-16	0.8913372E-26	0.9229398E-11	0.8913371E-21	1.000000
0.2100000E-09	0.2200000E-09	0.2150000E-09	0.9451963E-16	0.9573598E-26	0.9451962E-11	0.9573598E-21	1.000000
0.2200000E-09	0.2300000E-09	0.2250000E-09	0.9669514E-16	0.1024948E-25	0.9669514E-11	0.1024948E-20	1.000000
0.2300000E-09	0.2400000E-09	0.2350000E-09	0.9882039E-16	0.1094030E-25	0.9882052E-11	0.1094031E-20	1.000000
0.2400000E-09	0.2550000E-09	0.2475000E-09	0.1521859E-15	0.1774452E-25	0.1014572E-10	0.1182968E-20	1.000000
0.2550000E-09	0.2700000E-09	0.2625000E-09	0.1566973E-15	0.1937784E-25	0.1044648E-10	0.1291856E-20	1.000000
0.2700000E-09	0.2800000E-09	0.2750000E-09	0.1068709E-15	0.1384545E-25	0.1068709E-10	0.1384545E-20	1.000000
0.2800000E-09	0.3000000E-09	0.2900000E-09	0.2195567E-15	0.2999573E-25	0.1097783E-10	0.1499786E-20	1.000000
0.3000000E-09	0.3200000E-09	0.3100000E-09	0.2269755E-15	0.3314786E-25	0.1134877E-10	0.1657393E-20	1.000000
0.3200000E-09	0.3400000E-09	0.3300000E-09	0.2341937E-15	0.3640859E-25	0.1170968E-10	0.1820429E-20	1.000000
0.3400000E-09	0.3600000E-09	0.3500000E-09	0.2412115E-15	0.3977231E-25	0.1206057E-10	0.1988615E-20	1.000000
0.3600000E-09	0.3800000E-09	0.3700000E-09	0.2480289E-15	0.4323334E-25	0.1240144E-10	0.2161667E-20	1.000000
0.3800000E-09	0.4000000E-09	0.3900000E-09	0.2546457E-15	0.4678598E-25	0.1273228E-10	0.2339299E-20	1.000000
0.4000000E-09	0.4250000E-09	0.4125000E-09	0.3273299E-15	0.6360985E-25	0.1309319E-10	0.2544394E-20	1.000000
0.4250000E-09	0.4500000E-09	0.4375000E-09	0.3371046E-15	0.6947964E-25	0.1348418E-10	0.2779185E-20	1.000000
0.4500000E-09	0.4750000E-09	0.4625000E-09	0.3466285E-15	0.7552501E-25	0.1386515E-10	0.3021003E-20	1.000000
0.4750000E-09	0.5000000E-09	0.4875000E-09	0.3559024E-15	0.8173730E-25	0.1423609E-10	0.3269492E-20	1.000000
0.5000000E-09	0.5250000E-09	0.5125000E-09	0.3649251E-15	0.8810740E-25	0.1459700E-10	0.3524296E-20	1.000000
0.5250000E-09	0.5500000E-09	0.5375000E-09	0.3736974E-15	0.9462661E-25	0.1494790E-10	0.3785064E-20	1.000000
0.5500000E-09	0.5750000E-09	0.5625000E-09	0.3822189E-15	0.1012860E-24	0.1528875E-10	0.4051439E-20	1.000000
0.5750000E-09	0.6000000E-09	0.5875000E-09	0.3907407E-15	0.1081462E-24	0.1562962E-10	0.4325848E-20	1.000000
0.6000000E-09	0.6300000E-09	0.6150000E-09	0.4797161E-15	0.1389870E-24	0.1599054E-10	0.4632899E-20	1.000000
0.6300000E-09	0.6600000E-09	0.6450000E-09	0.4911452E-15	0.1492397E-24	0.1637151E-10	0.4974657E-20	1.000000
0.6600000E-09	0.6900000E-09	0.6750000E-09	0.5025743E-15	0.1598155E-24	0.1675248E-10	0.5327182E-20	1.000000
0.6900000E-09	0.7200000E-09	0.7050000E-09	0.5134016E-15	0.1705144E-24	0.1711339E-10	0.5683813E-20	1.000000
0.7200000E-09	0.7600000E-09	0.7400000E-09	0.7013782E-15	0.2445112E-24	0.1753445E-10	0.6112780E-20	1.000000
0.7600000E-09	0.8000000E-09	0.7800000E-09	0.7202259E-15	0.2646538E-24	0.1800565E-10	0.6616343E-20	1.000000
0.8000000E-09	0.8400000E-09	0.8200000E-09	0.7382714E-15	0.2851968E-24	0.1845678E-10	0.7129920E-20	1.000000
0.8400000E-09	0.8800000E-09	0.8600000E-09	0.7559163E-15	0.3062576E-24	0.1889791E-10	0.7656440E-20	1.000000
0.8800000E-09	0.9200000E-09	0.9000000E-09	0.7735610E-15	0.3279834E-24	0.1933902E-10	0.8199584E-20	1.000000
0.9200000E-09	0.9600000E-09	0.9400000E-09	0.7904028E-15	0.3500185E-24	0.1976009E-10	0.8750476E-20	1.000000
0.9600000E-09	0.1000000E-08	0.9800000E-09	0.8072468E-15	0.3726895E-24	0.2018117E-10	0.9317236E-20	1.000000
0.1000000E-08	0.1050000E-08	0.1025000E-08	0.1031615E-14	0.4981457E-24	0.2063230E-10	0.9962914E-20	1.000000
0.1050000E-08	0.1100000E-08	0.1075000E-08	0.1056679E-14	0.5351386E-24	0.2113358E-10	0.1070277E-19	1.000000
0.1100000E-08	0.1150000E-08	0.1125000E-08	0.1080740E-14	0.5727808E-24	0.2161480E-10	0.1145561E-19	1.000000
0.1150000E-08	0.1200000E-08	0.1175000E-08	0.1104801E-14	0.6115566E-24	0.2209602E-10	0.1223113E-19	1.000000
0.1200000E-08	0.1275000E-08	0.1237500E-08	0.1700060E-14	0.9911155E-24	0.2266747E-10	0.1321487E-19	1.000000
0.1275000E-08	0.1350000E-08	0.1312500E-08	0.1751190E-14	0.1082798E-23	0.2334920E-10	0.1443730E-19	1.000000

0.1350000E-08	0.1425000E-08	0.1387500E-08	0.1800815E-14	0.1177110E-23	0.2401087E-10	0.1569480E-19	1.000000
0.1425000E-08	0.1500000E-08	0.1462500E-08	0.1848185E-14	0.1273374E-23	0.2464247E-10	0.1697832E-19	1.000000
0.1500000E-08	0.1600000E-08	0.1550000E-08	0.2537433E-14	0.1852853E-23	0.2537433E-10	0.1852853E-19	1.000000
0.1600000E-08	0.1700000E-08	0.1650000E-08	0.2617636E-14	0.2034736E-23	0.2617636E-10	0.2034735E-19	1.000000
0.1700000E-08	0.1800000E-08	0.1750000E-08	0.2695835E-14	0.2222523E-23	0.2695835E-10	0.2222522E-19	1.000000
0.1800000E-08	0.1900000E-08	0.1850000E-08	0.2772025E-14	0.2415926E-23	0.2772028E-10	0.2415928E-19	1.000000
0.1900000E-08	0.2000000E-08	0.1950000E-08	0.2846216E-14	0.2614672E-23	0.2846216E-10	0.2614672E-19	1.000000
0.2000000E-08	0.2100000E-08	0.2050000E-08	0.2918399E-14	0.2818469E-23	0.2918399E-10	0.2818469E-19	1.000000
0.2100000E-08	0.2200000E-08	0.2150000E-08	0.2988577E-14	0.3027037E-23	0.2988577E-10	0.3027036E-19	1.000000
0.2200000E-08	0.2300000E-08	0.2250000E-08	0.3056749E-14	0.3240090E-23	0.3056749E-10	0.3240090E-19	1.000000
0.2300000E-08	0.2400000E-08	0.2350000E-08	0.3123919E-14	0.3458457E-23	0.3123919E-10	0.3458457E-19	1.000000
0.2400000E-08	0.2550000E-08	0.2475000E-08	0.4809192E-14	0.5607408E-23	0.3206128E-10	0.3738272E-19	1.000000
0.2550000E-08	0.2700000E-08	0.2625000E-08	0.4953558E-14	0.6125779E-23	0.3302372E-10	0.4083852E-19	1.000000
0.2700000E-08	0.2800000E-08	0.2750000E-08	0.3379568E-14	0.4378332E-23	0.3379568E-10	0.4378332E-19	1.000000
0.2800000E-08	0.3000000E-08	0.2900000E-08	0.6941598E-14	0.9483578E-23	0.3470799E-10	0.4741788E-19	1.000000
0.3000000E-08	0.3200000E-08	0.3100000E-08	0.7176194E-14	0.1048022E-22	0.3588097E-10	0.5240112E-19	1.000000
0.3200000E-08	0.3400000E-08	0.3300000E-08	0.7404773E-14	0.1151173E-22	0.3702386E-10	0.5755863E-19	1.000000
0.3400000E-08	0.3600000E-08	0.3500000E-08	0.7625333E-14	0.1257308E-22	0.3812666E-10	0.6286539E-19	1.000000
0.3600000E-08	0.3800000E-08	0.3700000E-08	0.7839866E-14	0.1366549E-22	0.3919937E-10	0.6832750E-19	1.000000
0.3800000E-08	0.4000000E-08	0.3900000E-08	0.8050410E-14	0.1479099E-22	0.4025204E-10	0.7395495E-19	1.000000
0.4000000E-08	0.4250000E-08	0.4125000E-08	0.1034874E-13	0.2011065E-22	0.4139495E-10	0.8044258E-19	1.000000
0.4250000E-08	0.4500000E-08	0.4375000E-08	0.1065702E-13	0.2196486E-22	0.4262806E-10	0.8785944E-19	1.000000
0.4500000E-08	0.4750000E-08	0.4625000E-08	0.1095778E-13	0.2387531E-22	0.4383111E-10	0.9550124E-19	1.000000
0.4750000E-08	0.5000000E-08	0.4875000E-08	0.1125102E-13	0.2583933E-22	0.4500408E-10	0.1033573E-18	1.000000
0.5000000E-08	0.5250000E-08	0.5125000E-08	0.1153424E-13	0.2784823E-22	0.4613696E-10	0.1113929E-18	1.000000
0.5250000E-08	0.5500000E-08	0.5375000E-08	0.1181245E-13	0.2991115E-22	0.4724978E-10	0.1196446E-18	1.000000
0.5500000E-08	0.5750000E-08	0.5625000E-08	0.1208564E-13	0.3202631E-22	0.4834255E-10	0.1281052E-18	1.000000
0.5750000E-08	0.6000000E-08	0.5875000E-08	0.1235131E-13	0.3418501E-22	0.4940524E-10	0.1367400E-18	1.000000
0.6000000E-08	0.6300000E-08	0.6150000E-08	0.1516445E-13	0.4393559E-22	0.5054815E-10	0.1464519E-18	1.000000
0.6300000E-08	0.6600000E-08	0.6450000E-08	0.1552837E-13	0.4718460E-22	0.5176122E-10	0.1572820E-18	1.000000
0.6600000E-08	0.6900000E-08	0.6750000E-08	0.1588628E-13	0.5051736E-22	0.5295425E-10	0.1683912E-18	1.000000
0.6900000E-08	0.7200000E-08	0.7050000E-08	0.1623516E-13	0.5392130E-22	0.5411718E-10	0.1797376E-18	1.000000
0.7200000E-08	0.7600000E-08	0.7400000E-08	0.2218021E-13	0.7732360E-22	0.5545058E-10	0.1933092E-18	1.000000
0.7600000E-08	0.8000000E-08	0.7800000E-08	0.2276973E-13	0.8366950E-22	0.5692432E-10	0.2091737E-18	1.000000
0.8000000E-08	0.8400000E-08	0.8200000E-08	0.2334719E-13	0.9019102E-22	0.5836798E-10	0.2254775E-18	1.000000
0.8400000E-08	0.8800000E-08	0.8600000E-08	0.2391263E-13	0.9688142E-22	0.5978156E-10	0.2422035E-18	1.000000
0.8800000E-08	0.9200000E-08	0.9000000E-08	0.2446201E-13	0.1037169E-21	0.6115503E-10	0.2592922E-18	1.000000
0.9200000E-08	0.9600000E-08	0.9400000E-08	0.2499938E-13	0.1107062E-21	0.6249844E-10	0.2767654E-18	1.000000
0.9600000E-08	0.1000000E-07	0.9800000E-08	0.2552471E-13	0.1178424E-21	0.6381176E-10	0.2946060E-18	1.000000

0.1000000E-07	0.1050000E-07	0.1025000E-07	0.3263273E-13	0.1575767E-21	0.6526545E-10	0.3151534E-18	1.000000
0.1050000E-07	0.1100000E-07	0.1075000E-07	0.3341973E-13	0.1692430E-21	0.6683945E-10	0.3384980E-18	1.000000
0.1100000E-07	0.1150000E-07	0.1125000E-07	0.3418667E-13	0.1811858E-21	0.6837333E-10	0.3623715E-18	1.000000
0.1150000E-07	0.1200000E-07	0.1175000E-07	0.3493857E-13	0.1934006E-21	0.6987713E-10	0.3868011E-18	1.000000
0.1200000E-07	0.1275000E-07	0.1237500E-07	0.5378386E-13	0.3135537E-21	0.7171180E-10	0.4180715E-18	1.000000
0.1275000E-07	0.1350000E-07	0.1312500E-07	0.5538541E-13	0.3424597E-21	0.7384721E-10	0.4566129E-18	1.000000
0.1350000E-07	0.1425000E-07	0.1387500E-07	0.5694939E-13	0.3722518E-21	0.7593250E-10	0.4963357E-18	1.000000
0.1425000E-07	0.1500000E-07	0.1462500E-07	0.5846816E-13	0.4028376E-21	0.7795763E-10	0.5371174E-18	1.000000
0.1500000E-07	0.1600000E-07	0.1550000E-07	0.8025348E-13	0.5860171E-21	0.8025347E-10	0.5860171E-18	1.000000
0.1600000E-07	0.1700000E-07	0.1650000E-07	0.8279992E-13	0.6436186E-21	0.8279991E-10	0.6436186E-18	1.000000
0.1700000E-07	0.1800000E-07	0.1750000E-07	0.8527618E-13	0.7030408E-21	0.8527618E-10	0.7030407E-18	1.000000
0.1800000E-07	0.1900000E-07	0.1850000E-07	0.8767227E-13	0.7640974E-21	0.8767227E-10	0.7640973E-18	1.000000
0.1900000E-07	0.2000000E-07	0.1950000E-07	0.9000817E-13	0.8268587E-21	0.9000817E-10	0.8268586E-18	1.000000
0.2000000E-07	0.2100000E-07	0.2050000E-07	0.9229398E-13	0.8913371E-21	0.9229398E-10	0.8913371E-18	1.000000
0.2100000E-07	0.2200000E-07	0.2150000E-07	0.9451962E-13	0.9573599E-21	0.9451961E-10	0.9573598E-18	1.000000
0.2200000E-07	0.2300000E-07	0.2250000E-07	0.9669514E-13	0.1024948E-20	0.9669513E-10	0.1024948E-17	1.000000
0.2300000E-07	0.2400000E-07	0.2350000E-07	0.9882053E-13	0.1094031E-20	0.9882052E-10	0.1094031E-17	1.000000
0.2400000E-07	0.2550000E-07	0.2475000E-07	0.1521859E-12	0.1774452E-20	0.1014572E-09	0.1182968E-17	1.000000
0.2550000E-07	0.2700000E-07	0.2625000E-07	0.1566972E-12	0.1937784E-20	0.1044648E-09	0.1291856E-17	1.000000
0.2700000E-07	0.2800000E-07	0.2750000E-07	0.1068709E-12	0.1384545E-20	0.1068709E-09	0.1384545E-17	1.000000
0.2800000E-07	0.3000000E-07	0.2900000E-07	0.2195565E-12	0.2999570E-20	0.1097783E-09	0.1499786E-17	1.000000
0.3000000E-07	0.3200000E-07	0.3100000E-07	0.2269755E-12	0.3314785E-20	0.1134877E-09	0.1657393E-17	1.000000
0.3200000E-07	0.3400000E-07	0.3300000E-07	0.2341937E-12	0.3640859E-20	0.1170968E-09	0.1820430E-17	1.000000
0.3400000E-07	0.3600000E-07	0.3500000E-07	0.2412115E-12	0.3977231E-20	0.1206057E-09	0.1988615E-17	1.000000
0.3600000E-07	0.3800000E-07	0.3700000E-07	0.2480287E-12	0.4323330E-20	0.1240143E-09	0.2161665E-17	1.000000
0.3800000E-07	0.4000000E-07	0.3900000E-07	0.2546455E-12	0.4678594E-20	0.1273227E-09	0.2339297E-17	1.000000
0.4000000E-07	0.4250000E-07	0.4125000E-07	0.3273301E-12	0.6360990E-20	0.1309319E-09	0.2544394E-17	1.000000
0.4250000E-07	0.4500000E-07	0.4375000E-07	0.3371044E-12	0.6947959E-20	0.1348419E-09	0.2779186E-17	1.000000
0.4500000E-07	0.4750000E-07	0.4625000E-07	0.3466286E-12	0.7552503E-20	0.1386515E-09	0.3021003E-17	1.000000
0.4750000E-07	0.5000000E-07	0.4875000E-07	0.3559026E-12	0.8173736E-20	0.1423610E-09	0.3269492E-17	1.000000
0.5000000E-07	0.5250000E-07	0.5125000E-07	0.3649249E-12	0.8810734E-20	0.1459700E-09	0.3524296E-17	1.000000
0.5250000E-07	0.5500000E-07	0.5375000E-07	0.3736977E-12	0.9462668E-20	0.1494789E-09	0.3785064E-17	1.000000
0.5500000E-07	0.5750000E-07	0.5625000E-07	0.3822186E-12	0.1012859E-19	0.1528875E-09	0.4051440E-17	1.000000
0.5750000E-07	0.6000000E-07	0.5875000E-07	0.3907404E-12	0.1081461E-19	0.1562962E-09	0.4325847E-17	1.000000
0.6000000E-07	0.6300000E-07	0.6150000E-07	0.4797167E-12	0.1389872E-19	0.1599054E-09	0.4632900E-17	1.000000
0.6300000E-07	0.6600000E-07	0.6450000E-07	0.4911446E-12	0.1492395E-19	0.1637151E-09	0.4974656E-17	1.000000
0.6600000E-07	0.6900000E-07	0.6750000E-07	0.5025747E-12	0.1598156E-19	0.1675247E-09	0.5327179E-17	1.000000
0.6900000E-07	0.7200000E-07	0.7050000E-07	0.5134010E-12	0.1705142E-19	0.1711338E-09	0.5683813E-17	1.000000
0.7200000E-07	0.7600000E-07	0.7400000E-07	0.7013783E-12	0.2445112E-19	0.1753446E-09	0.6112780E-17	1.000000

0.7600000E-07	0.8000000E-07	0.7800000E-07	0.7202259E-12	0.2646538E-19	0.1800565E-09	0.6616344E-17	1.000000
0.8000000E-07	0.8400000E-07	0.8200000E-07	0.7382715E-12	0.2851968E-19	0.1845678E-09	0.7129920E-17	1.000000
0.8400000E-07	0.8800000E-07	0.8600000E-07	0.7559163E-12	0.3062576E-19	0.1889791E-09	0.7656440E-17	1.000000
0.8800000E-07	0.9200000E-07	0.9000000E-07	0.7735611E-12	0.3279834E-19	0.1933903E-09	0.8199585E-17	1.000000
0.9200000E-07	0.9600000E-07	0.9400000E-07	0.7904039E-12	0.3500190E-19	0.1976009E-09	0.8750475E-17	1.000000
0.9600000E-07	0.1000000E-06	0.9800000E-07	0.8072466E-12	0.3726895E-19	0.2018116E-09	0.9317235E-17	1.000000
0.1000000E-06	0.1050000E-06	0.1025000E-06	0.1031615E-11	0.4981454E-19	0.2063231E-09	0.9962915E-17	1.000000
0.1050000E-06	0.1100000E-06	0.1075000E-06	0.1056680E-11	0.5351389E-19	0.2113358E-09	0.1070277E-16	1.000000
0.1100000E-06	0.1150000E-06	0.1125000E-06	0.1080739E-11	0.5727804E-19	0.2161480E-09	0.1145562E-16	1.000000
0.1150000E-06	0.1200000E-06	0.1175000E-06	0.1104800E-11	0.6115561E-19	0.2209602E-09	0.1223113E-16	1.000000
0.1200000E-06	0.1275000E-06	0.1237500E-06	0.1700061E-11	0.9911161E-19	0.2266747E-09	0.1321487E-16	1.000000
0.1275000E-06	0.1350000E-06	0.1312500E-06	0.1751188E-11	0.1082796E-18	0.2334920E-09	0.1443730E-16	1.000000
0.1350000E-06	0.1425000E-06	0.1387500E-06	0.1800816E-11	0.1177110E-18	0.2401087E-09	0.1569479E-16	1.000000
0.1425000E-06	0.1500000E-06	0.1462500E-06	0.1848187E-11	0.1273375E-18	0.2464247E-09	0.1697833E-16	1.000000
0.1500000E-06	0.1600000E-06	0.1550000E-06	0.2537431E-11	0.1852852E-18	0.2537432E-09	0.1852853E-16	1.000000
0.1600000E-06	0.1700000E-06	0.1650000E-06	0.2617639E-11	0.2034738E-18	0.2617637E-09	0.2034736E-16	1.000000
0.1700000E-06	0.1800000E-06	0.1750000E-06	0.2695832E-11	0.2222520E-18	0.2695834E-09	0.2222521E-16	1.000000
0.1800000E-06	0.1900000E-06	0.1850000E-06	0.2772026E-11	0.2415927E-18	0.2772028E-09	0.2415929E-16	1.000000
0.1900000E-06	0.2000000E-06	0.1950000E-06	0.2846218E-11	0.2614674E-18	0.2846216E-09	0.2614672E-16	1.000000
0.2000000E-06	0.2100000E-06	0.2050000E-06	0.2918397E-11	0.2818467E-18	0.2918399E-09	0.2818469E-16	1.000000
0.2100000E-06	0.2200000E-06	0.2150000E-06	0.2988578E-11	0.3027038E-18	0.2988576E-09	0.3027035E-16	1.000000
0.2200000E-06	0.2300000E-06	0.2250000E-06	0.3056747E-11	0.3240088E-18	0.3056749E-09	0.3240090E-16	1.000000
0.2300000E-06	0.2400000E-06	0.2350000E-06	0.3123917E-11	0.3458454E-18	0.3123919E-09	0.3458456E-16	1.000000
0.2400000E-06	0.2550000E-06	0.2475000E-06	0.4809194E-11	0.5607409E-18	0.3206126E-09	0.3738270E-16	1.000000
0.2550000E-06	0.2700000E-06	0.2625000E-06	0.4953552E-11	0.6125772E-18	0.3302372E-09	0.4083852E-16	1.000000
0.2700000E-06	0.2800000E-06	0.2750000E-06	0.3379571E-11	0.4378335E-18	0.3379568E-09	0.4378332E-16	1.000000
0.2800000E-06	0.3000000E-06	0.2900000E-06	0.6941602E-11	0.9483583E-18	0.3470798E-09	0.4741788E-16	1.000000
0.3000000E-06	0.3200000E-06	0.3100000E-06	0.7176188E-11	0.1048022E-17	0.3588096E-09	0.5240112E-16	1.000000
0.3200000E-06	0.3400000E-06	0.3300000E-06	0.7404779E-11	0.1151174E-17	0.3702386E-09	0.5755864E-16	1.000000
0.3400000E-06	0.3600000E-06	0.3500000E-06	0.7625326E-11	0.1257307E-17	0.3812665E-09	0.6286536E-16	1.000000
0.3600000E-06	0.3800000E-06	0.3700000E-06	0.7839872E-11	0.1366550E-17	0.3919939E-09	0.6832753E-16	1.000000
0.3800000E-06	0.4000000E-06	0.3900000E-06	0.8050415E-11	0.1479100E-17	0.4025204E-09	0.7395496E-16	1.000000
0.4000000E-06	0.4250000E-06	0.4125000E-06	0.1034873E-10	0.2011064E-17	0.4139494E-09	0.8044258E-16	1.000000
0.4250000E-06	0.4500000E-06	0.4375000E-06	0.1065701E-10	0.2196485E-17	0.4262806E-09	0.8785943E-16	1.000000
0.4500000E-06	0.4750000E-06	0.4625000E-06	0.1095779E-10	0.2387534E-17	0.4383112E-09	0.9550126E-16	1.000000
0.4750000E-06	0.5000000E-06	0.4875000E-06	0.1125102E-10	0.2583933E-17	0.4500410E-09	0.1033574E-15	1.000000
0.5000000E-06	0.5250000E-06	0.5125000E-06	0.1153425E-10	0.2784826E-17	0.4613696E-09	0.1113929E-15	1.000000
0.5250000E-06	0.5500000E-06	0.5375000E-06	0.1181243E-10	0.2991110E-17	0.4724978E-09	0.1196446E-15	1.000000
0.5500000E-06	0.5750000E-06	0.5625000E-06	0.1208565E-10	0.3202633E-17	0.4834256E-09	0.1281052E-15	1.000000

0.5750000E-06	0.6000000E-06	0.5875000E-06	0.1235132E-10	0.3418504E-17	0.4940525E-09	0.1367401E-15	1.000000
0.6000000E-06	0.6300000E-06	0.6150000E-06	0.1516443E-10	0.4393553E-17	0.5054814E-09	0.1464519E-15	1.000000
0.6300000E-06	0.6600000E-06	0.6450000E-06	0.1552838E-10	0.4718463E-17	0.5176122E-09	0.1572820E-15	1.000000
0.6600000E-06	0.6900000E-06	0.6750000E-06	0.1588626E-10	0.5051730E-17	0.5295425E-09	0.1683912E-15	1.000000
0.6900000E-06	0.7200000E-06	0.7050000E-06	0.1623517E-10	0.5392134E-17	0.5411719E-09	0.1797377E-15	1.000000
0.7200000E-06	0.7600000E-06	0.7400000E-06	0.2218022E-10	0.7732364E-17	0.5545058E-09	0.1933092E-15	1.000000
0.7600000E-06	0.8000000E-06	0.7800000E-06	0.2276974E-10	0.8366955E-17	0.5692430E-09	0.2091737E-15	1.000000
0.8000000E-06	0.8400000E-06	0.8200000E-06	0.2334718E-10	0.9019095E-17	0.5836798E-09	0.2254775E-15	1.000000
0.8400000E-06	0.8800000E-06	0.8600000E-06	0.2391264E-10	0.9688146E-17	0.5978155E-09	0.2422035E-15	1.000000
0.8800000E-06	0.9200000E-06	0.9000000E-06	0.2446200E-10	0.1037168E-16	0.6115503E-09	0.2592922E-15	1.000000
0.9200000E-06	0.9600000E-06	0.9399999E-06	0.2499936E-10	0.1107061E-16	0.6249843E-09	0.2767654E-15	1.000000
0.9600000E-06	0.1000000E-05	0.9800000E-06	0.2552473E-10	0.1178425E-16	0.6381178E-09	0.2946060E-15	1.000000
0.1000000E-05	0.1050000E-05	0.1025000E-05	0.3263275E-10	0.1575768E-16	0.6526545E-09	0.3151534E-15	1.000000
0.1050000E-05	0.1100000E-05	0.1075000E-05	0.3341968E-10	0.1692487E-16	0.6683945E-09	0.3384980E-15	1.000000
0.1100000E-05	0.1150000E-05	0.1125000E-05	0.3418670E-10	0.1811859E-16	0.6837334E-09	0.3623715E-15	1.000000
0.1150000E-05	0.1200000E-05	0.1175000E-05	0.3493860E-10	0.1934008E-16	0.6987715E-09	0.3868012E-15	1.000000
0.1200000E-05	0.1275000E-05	0.1237500E-05	0.5378385E-10	0.3135537E-16	0.7171180E-09	0.4180716E-15	1.000000
0.1275000E-05	0.1350000E-05	0.1312500E-05	0.5538541E-10	0.3424597E-16	0.7384722E-09	0.4566129E-15	1.000000
0.1350000E-05	0.1425000E-05	0.1387500E-05	0.5694938E-10	0.3722518E-16	0.7593250E-09	0.4963357E-15	1.000000
0.1425000E-05	0.1500000E-05	0.1462500E-05	0.5846823E-10	0.4028381E-16	0.7795763E-09	0.5371175E-15	1.000000
0.1500000E-05	0.1600000E-05	0.1550000E-05	0.8025343E-10	0.5860168E-16	0.8025346E-09	0.5860169E-15	1.000000
0.1600000E-05	0.1700000E-05	0.1650000E-05	0.8279988E-10	0.6436184E-16	0.8279991E-09	0.6436186E-15	1.000000
0.1700000E-05	0.1800000E-05	0.1750000E-05	0.8527615E-10	0.7030405E-16	0.8527619E-09	0.7030407E-15	1.000000
0.1800000E-05	0.1900000E-05	0.1850000E-05	0.8767234E-10	0.7640980E-16	0.8767227E-09	0.7640975E-15	1.000000
0.1900000E-05	0.2000000E-05	0.1950000E-05	0.9000816E-10	0.8268587E-16	0.9000820E-09	0.8268590E-15	1.000000
0.2000000E-05	0.2100000E-05	0.2050000E-05	0.9229404E-10	0.8913377E-16	0.9229397E-09	0.8913370E-15	1.000000
0.2100000E-05	0.2200000E-05	0.2150000E-05	0.9451948E-10	0.9573584E-16	0.9451961E-09	0.9573598E-15	1.000000
0.2200000E-05	0.2300000E-05	0.2250000E-05	0.9669521E-10	0.1024949E-15	0.9669514E-09	0.1024948E-14	1.000000
0.2300000E-05	0.2400000E-05	0.2350000E-05	0.9882060E-10	0.1094032E-15	0.9882053E-09	0.1094031E-14	1.000000
0.2400000E-05	0.2550000E-05	0.2475000E-05	0.1521858E-09	0.1774452E-15	0.1014572E-08	0.1182968E-14	1.000000
0.2550000E-05	0.2700000E-05	0.2625000E-05	0.1566973E-09	0.1937784E-15	0.1044648E-08	0.1291856E-14	1.000000
0.2700000E-05	0.2800000E-05	0.2750000E-05	0.1068708E-09	0.1384543E-15	0.1068709E-08	0.1384545E-14	1.000000
0.2800000E-05	0.3000000E-05	0.2900000E-05	0.2195568E-09	0.2999575E-15	0.1097783E-08	0.1499786E-14	1.000000
0.3000000E-05	0.3200000E-05	0.3100000E-05	0.2269754E-09	0.3314784E-15	0.1134877E-08	0.1657392E-14	1.000000
0.3200000E-05	0.3400000E-05	0.3300000E-05	0.2341936E-09	0.3640858E-15	0.1170968E-08	0.1820430E-14	1.000000
0.3400000E-05	0.3600000E-05	0.3500000E-05	0.2412114E-09	0.3977229E-15	0.1206057E-08	0.1988615E-14	1.000000
0.3600000E-05	0.3800000E-05	0.3700000E-05	0.2480291E-09	0.4323337E-15	0.1240144E-08	0.2161667E-14	1.000000
0.3800000E-05	0.4000000E-05	0.3900000E-05	0.2546454E-09	0.4678592E-15	0.1273227E-08	0.2339297E-14	1.000000
0.4000000E-05	0.4250000E-05	0.4125000E-05	0.3273300E-09	0.6360987E-15	0.1309319E-08	0.2544394E-14	1.000000

0.4250000E-05	0.4500000E-05	0.4375000E-05	0.3371047E-09	0.6947966E-15	0.1348418E-08	0.2779185E-14	1.000000
0.4500000E-05	0.4750000E-05	0.4625000E-05	0.3466284E-09	0.7552497E-15	0.1386516E-08	0.3021003E-14	1.000000
0.4750000E-05	0.5000000E-05	0.4875000E-05	0.3559025E-09	0.8173731E-15	0.1423609E-08	0.3269491E-14	1.000000
0.5000000E-05	0.5250000E-05	0.5125000E-05	0.3649253E-09	0.8810744E-15	0.1459700E-08	0.3524296E-14	1.000000
0.5250000E-05	0.5500000E-05	0.5375000E-05	0.3736975E-09	0.9462664E-15	0.1494789E-08	0.3785064E-14	1.000000
0.5500000E-05	0.5750000E-05	0.5625000E-05	0.3822190E-09	0.1012860E-14	0.1528875E-08	0.4051439E-14	1.000000
0.5750000E-05	0.6000000E-05	0.5875000E-05	0.3907407E-09	0.1081462E-14	0.1562962E-08	0.4325848E-14	1.000000
0.6000000E-05	0.6300000E-05	0.6150000E-05	0.4797160E-09	0.1389870E-14	0.1599053E-08	0.4632899E-14	1.000000
0.6300000E-05	0.6600000E-05	0.6450000E-05	0.4911445E-09	0.1492395E-14	0.1637151E-08	0.4974657E-14	1.000000
0.6600000E-05	0.6900000E-05	0.6750000E-05	0.5025740E-09	0.1598153E-14	0.1675246E-08	0.5327178E-14	1.000000
0.6900000E-05	0.7200000E-05	0.7050000E-05	0.5134015E-09	0.1705144E-14	0.1711338E-08	0.5683813E-14	1.000000
0.7200000E-05	0.7600000E-05	0.7400000E-05	0.7013787E-09	0.2445114E-14	0.1753445E-08	0.6112780E-14	1.000000
0.7600000E-05	0.8000000E-05	0.7800000E-05	0.7202255E-09	0.2646536E-14	0.1800564E-08	0.6616343E-14	1.000000
0.8000000E-05	0.8400000E-05	0.8200001E-05	0.7382720E-09	0.2851971E-14	0.1845678E-08	0.7129921E-14	1.000000
0.8400000E-05	0.8800000E-05	0.8600000E-05	0.7559151E-09	0.3062571E-14	0.1889791E-08	0.7656440E-14	1.000000
0.8800000E-05	0.9200000E-05	0.8999999E-05	0.7735616E-09	0.3279836E-14	0.1933903E-08	0.8199584E-14	1.000000
0.9200000E-05	0.9600000E-05	0.9400001E-05	0.7904044E-09	0.3500193E-14	0.1976009E-08	0.8750476E-14	1.000000
0.9600000E-05	0.1000000E-04	0.9800000E-05	0.8072450E-09	0.3726887E-14	0.2018115E-08	0.9317230E-14	1.000000
0.1000000E-04	0.1050000E-04	0.1025000E-04	0.1031616E-08	0.4981459E-14	0.2063231E-08	0.9962914E-14	1.000000
0.1050000E-04	0.1100000E-04	0.1075000E-04	0.1056679E-08	0.5351387E-14	0.2113358E-08	0.1070277E-13	1.000000
0.1100000E-04	0.1150000E-04	0.1125000E-04	0.1080740E-08	0.5727810E-14	0.2161480E-08	0.1145561E-13	1.000000
0.1150000E-04	0.1200000E-04	0.1175000E-04	0.1104801E-08	0.6115567E-14	0.2209601E-08	0.1223113E-13	1.000000
0.1200000E-04	0.1275000E-04	0.1237500E-04	0.1700058E-08	0.9911145E-14	0.2266747E-08	0.1321487E-13	1.000000
0.1275000E-04	0.1350000E-04	0.1312500E-04	0.1751190E-08	0.1082798E-13	0.2334920E-08	0.1443730E-13	1.000000
0.1350000E-04	0.1425000E-04	0.1387500E-04	0.1800816E-08	0.1177110E-13	0.2401087E-08	0.1569479E-13	1.000000
0.1425000E-04	0.1500000E-04	0.1462500E-04	0.1848183E-08	0.1273373E-13	0.2464247E-08	0.1697832E-13	1.000000
0.1500000E-04	0.1600000E-04	0.1550000E-04	0.2537434E-08	0.1852854E-13	0.2537433E-08	0.1852853E-13	1.000000
0.1600000E-04	0.1700000E-04	0.1650000E-04	0.2617637E-08	0.2034736E-13	0.2617636E-08	0.2034735E-13	1.000000
0.1700000E-04	0.1800000E-04	0.1750000E-04	0.2695835E-08	0.2222522E-13	0.2695834E-08	0.2222521E-13	1.000000
0.1800000E-04	0.1900000E-04	0.1850000E-04	0.2772023E-08	0.2415924E-13	0.2772027E-08	0.2415927E-13	1.000000
0.1900000E-04	0.2000000E-04	0.1950000E-04	0.2846217E-08	0.2614673E-13	0.2846216E-08	0.2614672E-13	1.000000
0.2000000E-04	0.2100000E-04	0.2050000E-04	0.2918400E-08	0.2818470E-13	0.2918399E-08	0.2818469E-13	1.000000
0.2100000E-04	0.2200000E-04	0.2150000E-04	0.2988578E-08	0.3027037E-13	0.2988577E-08	0.3027036E-13	1.000000
0.2200000E-04	0.2300000E-04	0.2250000E-04	0.3056750E-08	0.3240091E-13	0.3056749E-08	0.3240090E-13	1.000000
0.2300000E-04	0.2400000E-04	0.2350000E-04	0.3123920E-08	0.3458458E-13	0.3123919E-08	0.3458457E-13	1.000000
0.2400000E-04	0.2550000E-04	0.2475000E-04	0.4809188E-08	0.5607402E-13	0.3206128E-08	0.3738271E-13	1.000000
0.2550000E-04	0.2700000E-04	0.2625000E-04	0.4953560E-08	0.6125781E-13	0.3302372E-08	0.4083852E-13	1.000000
0.2700000E-04	0.2800000E-04	0.2750000E-04	0.3379569E-08	0.4378333E-13	0.3379568E-08	0.4378332E-13	1.000000
0.2800000E-04	0.3000000E-04	0.2900000E-04	0.6941594E-08	0.9483573E-13	0.3470799E-08	0.4741789E-13	1.000000

0.3000000E-04	0.3200000E-04	0.3100000E-04	0.7176194E-06	0.1048023E-12	0.3588096E-08	0.5240111E-13	1.000000
0.3200000E-04	0.3400000E-04	0.3300000E-04	0.7404775E-08	0.1151173E-12	0.3702387E-08	0.5755863E-13	1.000000
0.3400000E-04	0.3600000E-04	0.3500000E-04	0.7625333E-08	0.1257308E-12	0.3812665E-08	0.6286538E-13	1.000000
0.3600000E-04	0.3800000E-04	0.3700000E-04	0.7839863E-08	0.1366548E-12	0.3919937E-08	0.6832751E-13	1.000000
0.3800000E-04	0.4000000E-04	0.3900000E-04	0.8050411E-08	0.1479100E-12	0.4025204E-08	0.7395495E-13	1.000000
0.4000000E-04	0.4250000E-04	0.4125000E-04	0.1034874E-07	0.2011065E-12	0.4139495E-08	0.8044259E-13	1.000000
0.4250000E-04	0.4500000E-04	0.4375000E-04	0.1065702E-07	0.2196487E-12	0.4262807E-08	0.8785944E-13	1.000000
0.4500000E-04	0.4750000E-04	0.4625000E-04	0.1095778E-07	0.2387532E-12	0.4383112E-08	0.9550126E-13	1.000000
0.4750000E-04	0.5000000E-04	0.4875000E-04	0.1125101E-07	0.2583931E-12	0.4500409E-08	0.1033573E-12	1.000000
0.5000000E-04	0.5250000E-04	0.5125000E-04	0.1153425E-07	0.2784824E-12	0.4613697E-08	0.1113929E-12	1.000000
0.5250000E-04	0.5500000E-04	0.5375000E-04	0.1181245E-07	0.2991116E-12	0.4724979E-08	0.1196446E-12	1.000000
0.5500000E-04	0.5750000E-04	0.5625000E-04	0.1208564E-07	0.3202632E-12	0.4834256E-08	0.1281052E-12	1.000000
0.5750000E-04	0.6000000E-04	0.5875000E-04	0.1235130E-07	0.3418497E-12	0.4940525E-08	0.1367400E-12	1.000000
0.6000000E-04	0.6300000E-04	0.6150000E-04	0.1516445E-07	0.4393560E-12	0.5054815E-08	0.1464519E-12	1.000000
0.6300000E-04	0.6600000E-04	0.6450000E-04	0.1552837E-07	0.4718461E-12	0.5176122E-08	0.1572820E-12	1.000000
0.6600000E-04	0.6900000E-04	0.6750000E-04	0.1588628E-07	0.5051737E-12	0.5295425E-08	0.1683912E-12	1.000000
0.6900000E-04	0.7200000E-04	0.7050000E-04	0.1623517E-07	0.5392133E-12	0.5411720E-08	0.1797377E-12	1.000000
0.7200000E-04	0.7600000E-04	0.7400000E-04	0.2217619E-07	0.7730958E-12	0.5544055E-08	0.1932742E-12	1.000000
0.7600000E-04	0.8000000E-04	0.7800000E-04	0.2276973E-07	0.8366951E-12	0.5692431E-08	0.2091737E-12	1.000000
0.8000000E-04	0.8400000E-04	0.8200000E-04	0.2334719E-07	0.9019102E-12	0.5836796E-08	0.2254775E-12	1.000000
0.8400000E-04	0.8800000E-04	0.8600000E-04	0.2390862E-07	0.9686519E-12	0.5977154E-08	0.2421629E-12	1.000000
0.8800000E-04	0.9200000E-04	0.9000000E-04	0.2445801E-07	0.1036999E-11	0.6114501E-08	0.2592497E-12	1.000000
0.9200000E-04	0.9600000E-04	0.9400000E-04	0.2499538E-07	0.1106884E-11	0.6248842E-08	0.2767210E-12	1.000000
0.9600000E-04	0.1000000E-03	0.9800000E-04	0.2552066E-07	0.1178237E-11	0.6380174E-08	0.2945597E-12	1.000000
0.1000000E-03	0.1050000E-03	0.1025000E-03	0.3262773E-07	0.1575525E-11	0.6525544E-08	0.3151050E-12	1.000000
0.1050000E-03	0.1100000E-03	0.1075000E-03	0.3341472E-07	0.1692237E-11	0.6682942E-08	0.3384472E-12	1.000000
0.1100000E-03	0.1150000E-03	0.1125000E-03	0.3418167E-07	0.1811592E-11	0.6836331E-08	0.3623184E-12	1.000000
0.1150000E-03	0.1200000E-03	0.1175000E-03	0.3493352E-07	0.1933726E-11	0.6986712E-08	0.3867457E-12	0.9999999
0.1200000E-03	0.1275000E-03	0.1237500E-03	0.5377631E-07	0.3135097E-11	0.7170176E-08	0.4180130E-12	0.9999999
0.1275000E-03	0.1350000E-03	0.1312500E-03	0.5537789E-07	0.3424132E-11	0.7383719E-08	0.4565510E-12	0.9999998
0.1350000E-03	0.1425000E-03	0.1387500E-03	0.5694185E-07	0.3722025E-11	0.7592248E-08	0.4962701E-12	0.9999998
0.1425000E-03	0.1500000E-03	0.1462500E-03	0.5846082E-07	0.4027871E-11	0.7794761E-08	0.5370485E-12	0.9999997
0.1500000E-03	0.1600000E-03	0.1550000E-03	0.8024333E-07	0.5859431E-11	0.8024342E-08	0.5859437E-12	0.9999996
0.1600000E-03	0.1700000E-03	0.1650000E-03	0.8278992E-07	0.6435409E-11	0.8278989E-08	0.6435407E-12	0.9999996
0.1700000E-03	0.1800000E-03	0.1750000E-03	0.8525616E-07	0.7028757E-11	0.8525614E-08	0.7028755E-12	0.9999995
0.1800000E-03	0.1900000E-03	0.1850000E-03	0.8766228E-07	0.7640104E-11	0.8766224E-08	0.7640101E-12	0.9999995
0.1900000E-03	0.2000000E-03	0.1950000E-03	0.8999805E-07	0.8267657E-11	0.8999814E-08	0.8267666E-12	0.9999994
0.2000000E-03	0.2100000E-03	0.2050000E-03	0.9228398E-07	0.8912406E-11	0.9228395E-08	0.8912402E-12	0.9999993
0.2100000E-03	0.2200000E-03	0.2150000E-03	0.9449960E-07	0.9571571E-11	0.9449957E-08	0.9571568E-12	0.9999992

0.2200000E-03	0.2300000E-03	0.2250000E-03	0.9667511E-07	0.1024736E-10	0.9667508E-08	0.1024736E-11	0.9999990
0.2300000E-03	0.2400000E-03	0.2350000E-03	0.9880034E-07	0.1093808E-10	0.9880045E-08	0.1093809E-11	0.9999989
0.2400000E-03	0.2550000E-03	0.2475000E-03	0.1520354E-06	0.1772697E-10	0.1013569E-07	0.1181798E-11	0.9999988
0.2550000E-03	0.2700000E-03	0.2625000E-03	0.1565468E-06	0.1935923E-10	0.1043645E-07	0.1290616E-11	0.9999986
0.2700000E-03	0.2800000E-03	0.2750000E-03	0.1068711E-06	0.1384548E-10	0.1068709E-07	0.1384545E-11	0.9999985
0.2800000E-03	0.3000000E-03	0.2900000E-03	0.2195567E-06	0.2999573E-10	0.1097783E-07	0.1499786E-11	0.9999983
0.3000000E-03	0.3200000E-03	0.3100000E-03	0.2269752E-06	0.3314782E-10	0.1134877E-07	0.1657393E-11	0.9999981
0.3200000E-03	0.3400000E-03	0.3300000E-03	0.2341938E-06	0.3640860E-10	0.1170968E-07	0.1820429E-11	0.9999979
0.3400000E-03	0.3600000E-03	0.3500000E-03	0.2410112E-06	0.3973927E-10	0.1205055E-07	0.1986963E-11	0.9999976
0.3600000E-03	0.3800000E-03	0.3700000E-03	0.2478284E-06	0.4319839E-10	0.1239141E-07	0.2159919E-11	0.9999974
0.3800000E-03	0.4000000E-03	0.3900000E-03	0.2544448E-06	0.4674906E-10	0.1272225E-07	0.2337456E-11	0.9999971
0.4000000E-03	0.4250000E-03	0.4125000E-03	0.3270793E-06	0.6356115E-10	0.1308316E-07	0.2542445E-11	0.9999969
0.4250000E-03	0.4500000E-03	0.4375000E-03	0.3368537E-06	0.6942791E-10	0.1347415E-07	0.2777118E-11	0.9999966
0.4500000E-03	0.4750000E-03	0.4625000E-03	0.3463783E-06	0.7547049E-10	0.1385512E-07	0.3018818E-11	0.9999962
0.4750000E-03	0.5000000E-03	0.4875000E-03	0.3556518E-06	0.8167976E-10	0.1422606E-07	0.3267188E-11	0.9999959
0.5000000E-03	0.5250000E-03	0.5125000E-03	0.3646740E-06	0.8804676E-10	0.1458698E-07	0.3521877E-11	0.9999955
0.5250000E-03	0.5500000E-03	0.5375000E-03	0.3734469E-06	0.9456317E-10	0.1493786E-07	0.3782524E-11	0.9999952
0.5500000E-03	0.5750000E-03	0.5625000E-03	0.3819686E-06	0.1012197E-09	0.1527873E-07	0.4048784E-11	0.9999948
0.5750000E-03	0.6000000E-03	0.5875000E-03	0.3904901E-06	0.1080768E-09	0.1561959E-07	0.4323071E-11	0.9999945
0.6000000E-03	0.6300000E-03	0.6150000E-03	0.4794154E-06	0.1388999E-09	0.1598052E-07	0.4629996E-11	0.9999940
0.6300000E-03	0.6600000E-03	0.6450000E-03	0.4908442E-06	0.1491482E-09	0.1636148E-07	0.4971609E-11	0.9999936
0.6600000E-03	0.6900000E-03	0.6750000E-03	0.5022733E-06	0.1597198E-09	0.1674245E-07	0.5323993E-11	0.9999931
0.6900000E-03	0.7200000E-03	0.7050000E-03	0.5131006E-06	0.1704144E-09	0.1710336E-07	0.5680483E-11	0.9999926
0.7200000E-03	0.7600000E-03	0.7400000E-03	0.7009772E-06	0.2443714E-09	0.1752442E-07	0.6109282E-11	0.9999921
0.7600000E-03	0.8000000E-03	0.7800000E-03	0.7198242E-06	0.2645062E-09	0.1799562E-07	0.6612662E-11	0.9999914
0.8000000E-03	0.8400000E-03	0.8200000E-03	0.7378709E-06	0.2850421E-09	0.1844677E-07	0.7126050E-11	0.9999906
0.8400000E-03	0.8800000E-03	0.8600000E-03	0.7555157E-06	0.3060953E-09	0.1888789E-07	0.7652380E-11	0.9999899
0.8800000E-03	0.9200000E-03	0.9000000E-03	0.7731605E-06	0.3278136E-09	0.1932901E-07	0.8195337E-11	0.9999892
0.9200000E-03	0.9600000E-03	0.9400000E-03	0.7900017E-06	0.3498409E-09	0.1975006E-07	0.8746033E-11	0.9999884
0.9600000E-03	0.1000000E-02	0.9800000E-03	0.8068469E-06	0.3725049E-09	0.2017114E-07	0.9312605E-11	0.9999876
0.1000000E-02	0.1050000E-02	0.1025000E-02	0.1031113E-05	0.4979029E-09	0.2062229E-07	0.9958076E-11	0.9999868
0.1050000E-02	0.1100000E-02	0.1075000E-02	0.1056178E-05	0.5348851E-09	0.2112356E-07	0.1069770E-10	0.9999858
0.1100000E-02	0.1150000E-02	0.1125000E-02	0.1080239E-05	0.5725155E-09	0.2160478E-07	0.1145030E-10	0.9999847
0.1150000E-02	0.1200000E-02	0.1175000E-02	0.1103799E-05	0.6110021E-09	0.2207597E-07	0.1222003E-10	0.9999836
0.1200000E-02	0.1275000E-02	0.1237500E-02	0.1699307E-05	0.9906767E-09	0.2265744E-07	0.1320902E-10	0.9999825
0.1275000E-02	0.1350000E-02	0.1312500E-02	0.1749685E-05	0.1081867E-08	0.2332914E-07	0.1442490E-10	0.9999807
0.1350000E-02	0.1425000E-02	0.1387500E-02	0.1798560E-05	0.1175635E-08	0.2398080E-07	0.1567514E-10	0.9999790
0.1425000E-02	0.1500000E-02	0.1462500E-02	0.1846681E-05	0.1272338E-08	0.2462242E-07	0.1696451E-10	0.9999772
0.1500000E-02	0.1600000E-02	0.1550000E-02	0.2534423E-05	0.1850656E-08	0.2534425E-07	0.1850657E-10	0.9999754

0.1600000E-02	0.1700000E-02	0.1650000E-02	0.2614629E-05	0.2032398E-08	0.2614628E-07	0.2032397E-10	0.99999728
0.1700000E-02	0.1800000E-02	0.1750000E-02	0.2692826E-05	0.2220041E-08	0.2692827E-07	0.2220042E-10	0.99999702
0.1800000E-02	0.1900000E-02	0.1850000E-02	0.2768019E-05	0.2412434E-08	0.2768017E-07	0.2412433E-10	0.99999675
0.1900000E-02	0.2000000E-02	0.1950000E-02	0.2842208E-05	0.2610990E-08	0.2842206E-07	0.2610988E-10	0.99999648
0.2000000E-02	0.2100000E-02	0.2050000E-02	0.2913381E-05	0.2813623E-08	0.2913386E-07	0.2813628E-10	0.99999619
0.2100000E-02	0.2200000E-02	0.2150000E-02	0.2983566E-05	0.3021961E-08	0.2983564E-07	0.3021959E-10	0.99999590
0.2200000E-02	0.2300000E-02	0.2250000E-02	0.3051739E-05	0.3234779E-08	0.3051737E-07	0.3234777E-10	0.99999560
0.2300000E-02	0.2400000E-02	0.2350000E-02	0.3118909E-05	0.3452910E-08	0.3118907E-07	0.3452908E-10	0.99999530
0.2400000E-02	0.2550000E-02	0.2475000E-02	0.4800167E-05	0.5596884E-08	0.3200112E-07	0.3731257E-10	0.99999499
0.2550000E-02	0.2700000E-02	0.2625000E-02	0.4943030E-05	0.6112760E-08	0.3295354E-07	0.4075174E-10	0.99999450
0.2700000E-02	0.2800000E-02	0.2750000E-02	0.3372544E-05	0.4369232E-08	0.3372550E-07	0.4369239E-10	0.99999401
0.2800000E-02	0.3000000E-02	0.2900000E-02	0.6925563E-05	0.9461671E-08	0.3462779E-07	0.4730832E-10	0.99999367
0.3000000E-02	0.3200000E-02	0.3100000E-02	0.7160148E-05	0.1045679E-07	0.3580076E-07	0.5228399E-10	0.99999298
0.3200000E-02	0.3400000E-02	0.3300000E-02	0.7386730E-05	0.1148368E-07	0.3693363E-07	0.5741834E-10	0.99999226
0.3400000E-02	0.3600000E-02	0.3500000E-02	0.7605276E-05	0.1254001E-07	0.3802640E-07	0.6270007E-10	0.99999152
0.3600000E-02	0.3800000E-02	0.3700000E-02	0.7817824E-05	0.1362707E-07	0.3908909E-07	0.6813528E-10	0.99999076
0.3800000E-02	0.4000000E-02	0.3900000E-02	0.8026352E-05	0.1474679E-07	0.4013173E-07	0.7373391E-10	0.99989998
0.4000000E-02	0.4250000E-02	0.4125000E-02	0.1031615E-04	0.2004733E-07	0.4126461E-07	0.8018931E-10	0.99989918
0.4250000E-02	0.4500000E-02	0.4375000E-02	0.1062441E-04	0.2189766E-07	0.4249773E-07	0.8759081E-10	0.99988814
0.4500000E-02	0.4750000E-02	0.4625000E-02	0.1092019E-04	0.2379340E-07	0.4368074E-07	0.9517360E-10	0.9998708
0.4750000E-02	0.5000000E-02	0.4875000E-02	0.1121092E-04	0.2574724E-07	0.4484368E-07	0.1029890E-09	0.9998599
0.5000000E-02	0.5250000E-02	0.5125000E-02	0.1149414E-04	0.2775142E-07	0.4597656E-07	0.1110056E-09	0.9998487
0.5250000E-02	0.5500000E-02	0.5375000E-02	0.1176733E-04	0.2979691E-07	0.4706932E-07	0.1191876E-09	0.9998372
0.5500000E-02	0.5750000E-02	0.5625000E-02	0.1203551E-04	0.3189348E-07	0.4814205E-07	0.1275739E-09	0.9998255
0.5750000E-02	0.6000000E-02	0.5875000E-02	0.1229617E-04	0.3403240E-07	0.4918468E-07	0.1361296E-09	0.9998134
0.6000000E-02	0.6300000E-02	0.6150000E-02	0.1509527E-04	0.4373515E-07	0.5031756E-07	0.1457839E-09	0.9998012
0.6300000E-02	0.6600000E-02	0.6450000E-02	0.1545618E-04	0.4696526E-07	0.5152062E-07	0.1565509E-09	0.9997861
0.6600000E-02	0.6900000E-02	0.6750000E-02	0.1580807E-04	0.5026868E-07	0.5269359E-07	0.1675623E-09	0.9997706
0.6900000E-02	0.7200000E-02	0.7050000E-02	0.1615094E-04	0.5364161E-07	0.5383649E-07	0.1788054E-09	0.9997548
0.7200000E-02	0.7600000E-02	0.7400000E-02	0.2205593E-04	0.7689034E-07	0.5513979E-07	0.1922257E-09	0.9997387
0.7600000E-02	0.8000000E-02	0.7800000E-02	0.2264141E-04	0.8319800E-07	0.5660350E-07	0.2079949E-09	0.9997166
0.8000000E-02	0.8400000E-02	0.8200000E-02	0.2320679E-04	0.8964864E-07	0.5801708E-07	0.2241220E-09	0.9996940
0.8400000E-02	0.8800000E-02	0.8600000E-02	0.2376025E-04	0.9626407E-07	0.5940058E-07	0.2406600E-09	0.9996708
0.8800000E-02	0.9200000E-02	0.9000000E-02	0.2430162E-04	0.1030368E-06	0.6075402E-07	0.2575919E-09	0.9996470
0.9200000E-02	0.9600000E-02	0.9400001E-02	0.2483096E-04	0.1099604E-06	0.6207737E-07	0.2749007E-09	0.9996227
0.9600000E-02	0.1000000E-01	0.9800000E-02	0.2534822E-04	0.1170276E-06	0.6337064E-07	0.2925694E-09	0.9995978
0.1000000E-01	0.1050000E-01	0.1025000E-01	0.3239212E-04	0.1564149E-06	0.6478424E-07	0.3128297E-09	0.9995725
0.1050000E-01	0.1100000E-01	0.1075000E-01	0.3315406E-04	0.1679036E-06	0.6630810E-07	0.3358070E-09	0.9995402
0.1100000E-01	0.1150000E-01	0.1125000E-01	0.3390095E-04	0.1796715E-06	0.6780188E-07	0.3593429E-09	0.9995070

0.1150000E-01	0.1200000E-01	0.1175000E-01	0.3462780E-04	0.1916803E-06	0.6925559E-07	0.3833605E-09	0.9994731
0.1200000E-01	0.1275000E-01	0.1237500E-01	0.5327252E-04	0.3105727E-06	0.7103006E-07	0.4140971E-09	0.9994385
0.1275000E-01	0.1350000E-01	0.1312500E-01	0.5482904E-04	0.3390196E-06	0.7310533E-07	0.4520257E-09	0.9993852
0.1350000E-01	0.1425000E-01	0.1387500E-01	0.5633278E-04	0.3682214E-06	0.7511041E-07	0.4909620E-09	0.9993303
0.1425000E-01	0.1500000E-01	0.1462500E-01	0.5779901E-04	0.3982273E-06	0.7706539E-07	0.5309699E-09	0.9992740
0.1500000E-01	0.1600000E-01	0.1550000E-01	0.7929109E-04	0.5789897E-06	0.7929100E-07	0.5789890E-09	0.9992162
0.1600000E-01	0.1700000E-01	0.1650000E-01	0.8174725E-04	0.6354360E-06	0.8174723E-07	0.6354359E-09	0.9991369
0.1700000E-01	0.1800000E-01	0.1750000E-01	0.8413314E-04	0.6936173E-06	0.8413328E-07	0.6936185E-09	0.9990552
0.1800000E-01	0.1900000E-01	0.1850000E-01	0.8644918E-04	0.7534377E-06	0.8644917E-07	0.7534376E-09	0.9989710
0.1900000E-01	0.2000000E-01	0.1950000E-01	0.8869488E-04	0.8147941E-06	0.8869486E-07	0.8147939E-09	0.9988846
0.2000000E-01	0.2100000E-01	0.2050000E-01	0.9089045E-04	0.8777824E-06	0.9089043E-07	0.8777823E-09	0.9987959
0.2100000E-01	0.2200000E-01	0.2150000E-01	0.9302584E-04	0.9422297E-06	0.9302583E-07	0.9422296E-09	0.9987050
0.2200000E-01	0.2300000E-01	0.2250000E-01	0.9512116E-04	0.1008264E-05	0.9512114E-07	0.1008264E-08	0.9986120
0.2300000E-01	0.2400000E-01	0.2350000E-01	0.9715631E-04	0.1075607E-05	0.9715630E-07	0.1075607E-08	0.9985169
0.2400000E-01	0.2550000E-01	0.2475000E-01	0.1494639E-03	0.1742714E-05	0.9964262E-07	0.1161810E-08	0.9984197
0.2550000E-01	0.2700000E-01	0.2625000E-01	0.1536897E-03	0.1900592E-05	0.1024597E-06	0.1267060E-08	0.9982702
0.2700000E-01	0.2800000E-01	0.2750000E-01	0.1048658E-03	0.1358568E-05	0.1048658E-06	0.1358568E-08	0.9981166
0.2800000E-01	0.3000000E-01	0.2900000E-01	0.2149447E-03	0.2936564E-05	0.1074724E-06	0.1468283E-08	0.9980117
0.3000000E-01	0.3200000E-01	0.3100000E-01	0.2219629E-03	0.3241581E-05	0.1109813E-06	0.1620789E-08	0.9977968
0.3200000E-01	0.3400000E-01	0.3300000E-01	0.2287801E-03	0.3556697E-05	0.1143900E-06	0.1778348E-08	0.9975748
0.3400000E-01	0.3600000E-01	0.3500000E-01	0.2353963E-03	0.3881346E-05	0.1176983E-06	0.1940677E-08	0.9973460
0.3600000E-01	0.3800000E-01	0.3700000E-01	0.2416125E-03	0.4211492E-05	0.1208062E-06	0.2105746E-08	0.9971107
0.3800000E-01	0.4000000E-01	0.3900000E-01	0.2478283E-03	0.4553342E-05	0.1239141E-06	0.2276671E-08	0.9968690
0.4000000E-01	0.4250000E-01	0.4125000E-01	0.3180565E-03	0.6180776E-05	0.1272225E-06	0.2472309E-08	0.9966212
0.4250000E-01	0.4500000E-01	0.4375000E-01	0.3268287E-03	0.6736171E-05	0.1307314E-06	0.2694467E-08	0.9963031
0.4500000E-01	0.4750000E-01	0.4625000E-01	0.3356005E-03	0.7312217E-05	0.1342403E-06	0.2924890E-08	0.9959763
0.4750000E-01	0.5000000E-01	0.4875000E-01	0.3438718E-03	0.7897433E-05	0.1375486E-06	0.3158972E-08	0.9956408
0.5000000E-01	0.5250000E-01	0.5125000E-01	0.3521423E-03	0.8502111E-05	0.1408570E-06	0.3400848E-08	0.9952969
0.5250000E-01	0.5500000E-01	0.5375000E-01	0.3599125E-03	0.9113606E-05	0.1439649E-06	0.3645441E-08	0.9949448
0.5500000E-01	0.5750000E-01	0.5625000E-01	0.3676823E-03	0.9743388E-05	0.1470729E-06	0.3897353E-08	0.9945849
0.5750000E-01	0.6000000E-01	0.5875000E-01	0.3752007E-03	0.1038452E-04	0.1500804E-06	0.4153811E-08	0.9942172
0.6000000E-01	0.6300000E-01	0.6150000E-01	0.4595654E-03	0.1331488E-04	0.1531884E-06	0.4438289E-08	0.9938419
0.6300000E-01	0.6600000E-01	0.6450000E-01	0.4697909E-03	0.1427510E-04	0.1565971E-06	0.4758369E-08	0.9933824
0.6600000E-01	0.6900000E-01	0.6750000E-01	0.4797158E-03	0.1525466E-04	0.1599053E-06	0.5084889E-08	0.9929126
0.6900000E-01	0.7200000E-01	0.7050000E-01	0.4893405E-03	0.1625230E-04	0.1631136E-06	0.5417437E-08	0.9924329
0.7200000E-01	0.7600000E-01	0.7400000E-01	0.6668906E-03	0.2324883E-04	0.1667226E-06	0.5812206E-08	0.9919435
0.7600000E-01	0.8000000E-01	0.7799999E-01	0.6825303E-03	0.2508022E-04	0.1706326E-06	0.6270053E-08	0.9912766
0.8000000E-01	0.8400000E-01	0.8200000E-01	0.6981699E-03	0.2697055E-04	0.1745424E-06	0.6742636E-08	0.9905941
0.8400000E-01	0.8800000E-01	0.8600000E-01	0.7130075E-03	0.2888732E-04	0.1782519E-06	0.7221829E-08	0.9898959

0.8800000E-01	0.9200000E-01	0.9000000E-01	0.7274444E-03	0.3084304E-04	0.1818611E-06	0.7710757E-08	0.9891829
0.9200000E-01	0.9600000E-01	0.9400000E-01	0.7414799E-03	0.3283538E-04	0.1853700E-06	0.8208843E-08	0.9884555
0.9600000E-01	0.1000000	0.9800000E-01	0.7551144E-03	0.3486210E-04	0.1887786E-06	0.8715524E-08	0.9877141
0.1000000	0.1050000	0.1025000	0.9624389E-03	0.4647419E-04	0.1924880E-06	0.9294846E-08	0.9869589
0.1050000	0.1100000	0.1075000	0.9819899E-03	0.4973135E-04	0.1963979E-06	0.9946264E-08	0.9859965
0.1100000	0.1150000	0.1125000	0.1001038E-02	0.5305398E-04	0.2002076E-06	0.1061079E-07	0.9850145
0.1150000	0.1200000	0.1175000	0.1019584E-02	0.5643852E-04	0.2039170E-06	0.1128771E-07	0.9840134
0.1200000	0.1275000	0.1237500	0.1563213E-02	0.9113350E-04	0.2084284E-06	0.1215113E-07	0.9829938
0.1275000	0.1350000	0.1312500	0.1602313E-02	0.9907441E-04	0.2136416E-06	0.1320991E-07	0.9814306
0.1350000	0.1425000	0.1387500	0.1638402E-02	0.1070947E-03	0.2184538E-06	0.1427931E-07	0.9798284
0.1425000	0.1500000	0.1462500	0.1673745E-02	0.1153188E-03	0.2231658E-06	0.1537582E-07	0.9781899
0.1500000	0.1600000	0.1550000	0.2284790E-02	0.1668372E-03	0.2284793E-06	0.1668373E-07	0.9765162
0.1600000	0.1700000	0.1650000	0.2340936E-02	0.1819651E-03	0.2340935E-06	0.1819650E-07	0.9742314
0.1700000	0.1800000	0.1750000	0.2394071E-02	0.1973739E-03	0.2394069E-06	0.1973738E-07	0.9718905
0.1800000	0.1900000	0.1850000	0.2445197E-02	0.2131082E-03	0.2445199E-06	0.2131084E-07	0.9694964
0.1900000	0.2000000	0.1950000	0.2494324E-02	0.2291407E-03	0.2494323E-06	0.2291406E-07	0.9670512
0.2000000	0.2100000	0.2050000	0.2540437E-02	0.2453449E-03	0.2540440E-06	0.2453452E-07	0.9645569
0.2100000	0.2200000	0.2150000	0.2582549E-02	0.2615783E-03	0.2582547E-06	0.2615782E-07	0.9620165
0.2200000	0.2300000	0.2250000	0.2624655E-02	0.2782079E-03	0.2624654E-06	0.2782078E-07	0.9594339
0.2300000	0.2400000	0.2350000	0.2664753E-02	0.2950119E-03	0.2664756E-06	0.2950122E-07	0.9568093
0.2400000	0.2550000	0.2475000	0.4067813E-02	0.4742975E-03	0.2711875E-06	0.3161984E-07	0.9541445
0.2550000	0.2700000	0.2625000	0.4147519E-02	0.5128997E-03	0.2765010E-06	0.3419328E-07	0.9500767
0.2700000	0.2800000	0.2750000	0.2806111E-02	0.3635401E-03	0.2806114E-06	0.3635405E-07	0.9459292
0.2800000	0.3000000	0.2900000	0.5706469E-02	0.7796151E-03	0.2853233E-06	0.3898074E-07	0.9431230
0.3000000	0.3200000	0.3100000	0.5820751E-02	0.8500715E-03	0.2910378E-06	0.4250361E-07	0.9374166
0.3200000	0.3400000	0.3300000	0.5923019E-02	0.9208137E-03	0.2961508E-06	0.4604066E-07	0.9315958
0.3400000	0.3600000	0.3500000	0.6019264E-02	0.9924901E-03	0.3009630E-06	0.4962448E-07	0.9256728
0.3600000	0.3800000	0.3700000	0.6109482E-02	0.1064930E-02	0.3054744E-06	0.5324653E-07	0.9196535
0.3800000	0.4000000	0.3900000	0.6185685E-02	0.1136494E-02	0.3092840E-06	0.5682467E-07	0.9135441
0.4000000	0.4250000	0.4125000	0.7829852E-02	0.1521571E-02	0.3131940E-06	0.6086285E-07	0.9073583
0.4250000	0.4500000	0.4375000	0.7932603E-02	0.1634965E-02	0.3173044E-06	0.6539867E-07	0.8995285
0.4500000	0.4750000	0.4625000	0.8025346E-02	0.1748599E-02	0.3210138E-06	0.6994395E-07	0.8915959
0.4750000	0.5000000	0.4875000	0.8105549E-02	0.1861538E-02	0.3242219E-06	0.7446150E-07	0.8835706
0.5000000	0.5250000	0.5125000	0.8168200E-02	0.1972127E-02	0.3267283E-06	0.7888517E-07	0.8754650
0.5250000	0.5500000	0.5375000	0.8220854E-02	0.2081662E-02	0.3288337E-06	0.8326636E-07	0.8672968
0.5500000	0.5750000	0.5625000	0.8270960E-02	0.2191761E-02	0.3308387E-06	0.8767054E-07	0.8590759
0.5750000	0.6000000	0.5875000	0.8321107E-02	0.2303052E-02	0.3328438E-06	0.9212195E-07	0.8508049
0.6000000	0.6300000	0.6150000	0.1002741E-01	0.2905218E-02	0.3342474E-06	0.9684069E-07	0.8424838
0.6300000	0.6600000	0.6450000	0.1006052E-01	0.3056995E-02	0.3353502E-06	0.1018997E-06	0.8324564

0.6600000	0.6900000	0.6750000	0.1009057E-01	0.3208738E-02	0.3363527E-06	0.1069580E-06	0.8223959
0.6900000	0.7200000	0.7050000	0.1010864E-01	0.3357349E-02	0.3369542E-06	0.1119115E-06	0.8123053
0.7200000	0.7600000	0.7400000	0.1347415E-01	0.4697295E-02	0.3368540E-06	0.1174325E-06	0.8021967
0.7600000	0.8000000	0.7800000	0.1346213E-01	0.4946788E-02	0.3365532E-06	0.1236696E-06	0.7887225
0.8000000	0.8400000	0.8200000	0.1345008E-01	0.5195814E-02	0.3362524E-06	0.1298955E-06	0.7752604
0.8400000	0.8800000	0.8600000	0.1341802E-01	0.5436279E-02	0.3354504E-06	0.1359069E-06	0.7618103
0.8800000	0.9200000	0.9000000	0.1335386E-01	0.5661924E-02	0.3338463E-06	0.1415480E-06	0.7483923
0.9200000	0.9600000	0.9400000	0.1328567E-01	0.5883367E-02	0.3321420E-06	0.1470843E-06	0.7350384
0.9600000	1.000000	0.9800000	0.1322153E-01	0.6104111E-02	0.3305380E-06	0.1526027E-06	0.7217528
1.000000	1.100000	1.050000	0.3260266E-01	0.1612713E-01	0.3260265E-06	0.1012712E-06	0.7085313
1.100000	1.200000	1.150000	0.3192093E-01	0.1729371E-01	0.3192092E-06	0.1729371E-06	0.6759286
1.200000	1.300000	1.250000	0.3107876E-01	0.1830158E-01	0.3107879E-06	0.1830159E-06	0.6440077
1.300000	1.400000	1.350000	0.3010633E-01	0.1914724E-01	0.3010632E-06	0.1914724E-06	0.6129289
1.400000	1.500000	1.450000	0.2923412E-01	0.1996976E-01	0.2923411E-06	0.1996975E-06	0.5828226
1.500000	1.600000	1.550000	0.2818144E-01	0.2057831E-01	0.2818144E-06	0.2057831E-06	0.5535885
1.600000	1.700000	1.650000	0.2696837E-01	0.2096300E-01	0.2696837E-06	0.2096300E-06	0.5254071
1.700000	1.800000	1.750000	0.2588559E-01	0.2134081E-01	0.2588562E-06	0.2134083E-06	0.4984387
1.800000	1.900000	1.850000	0.2490313E-01	0.2170403E-01	0.2490313E-06	0.2170403E-06	0.4725531
1.900000	2.000000	1.950000	0.2400085E-01	0.2204835E-01	0.2400085E-06	0.2204834E-06	0.4476500
2.000000	2.100000	2.050000	0.2299829E-01	0.2221079E-01	0.2299831E-06	0.2221081E-06	0.4230492
2.100000	2.200000	2.150000	0.2189554E-01	0.2217731E-01	0.2189551E-06	0.2217728E-06	0.4006509
2.200000	2.300000	2.250000	0.2089295E-01	0.2214609E-01	0.2089297E-06	0.2214611E-06	0.3787554
2.300000	2.400000	2.350000	0.1998068E-01	0.2212040E-01	0.1998065E-06	0.2212037E-06	0.3573624
2.400000	2.500000	2.450000	0.1904827E-01	0.2198550E-01	0.1904829E-06	0.2198552E-06	0.3378817
2.500000	2.600000	2.550000	0.1809586E-01	0.2173873E-01	0.1809588E-06	0.2173875E-06	0.3188334
2.600000	2.700000	2.650000	0.1722369E-01	0.2150239E-01	0.1722367E-06	0.2150236E-06	0.3007376
2.700000	2.800000	2.750000	0.1636146E-01	0.2119676E-01	0.1636147E-06	0.2119678E-06	0.2835139
2.800000	2.900000	2.850000	0.1549932E-01	0.2081000E-01	0.1549929E-06	0.2080997E-06	0.2671524
2.900000	3.000000	2.950000	0.1471730E-01	0.2045337E-01	0.1471732E-06	0.2045339E-06	0.2516531
3.000000	3.100000	3.050000	0.1394534E-01	0.2003751E-01	0.1394535E-06	0.2003753E-06	0.2369358
3.100000	3.200000	3.150000	0.1318344E-01	0.1956384E-01	0.1318342E-06	0.1956381E-06	0.2229905
3.200000	3.300000	3.250000	0.1249165E-01	0.1912573E-01	0.1249166E-06	0.1912575E-06	0.2098070
3.300000	3.400000	3.350000	0.1180996E-01	0.1863837E-01	0.1180994E-06	0.1863835E-06	0.1973154
3.400000	3.500000	3.450000	0.1115827E-01	0.1813555E-01	0.1115828E-06	0.1813557E-06	0.1855054
3.500000	3.600000	3.550000	0.1053670E-01	0.1762170E-01	0.1053671E-06	0.1762172E-06	0.1743471
3.600000	3.700000	3.650000	0.9940214E-02	0.1709241E-01	0.9940200E-07	0.1709239E-06	0.1638104
3.700000	3.800000	3.750000	0.9374757E-02	0.1656174E-01	0.9374766E-07	0.1656176E-06	0.1538702
3.800000	3.900000	3.850000	0.8835411E-02	0.1602515E-01	0.8835399E-07	0.1602513E-06	0.1444955
3.900000	4.000000	3.950000	0.8323092E-02	0.1548804E-01	0.8323100E-07	0.1548806E-06	0.1356601

4.000000	4.100000	4.050000	0.7836861E-02	0.1495244E-01	0.7836868E-07	0.1495245E-06	0.1273370
4.100000	4.200000	4.150000	0.7376693E-02	0.1442197E-01	0.7376700E-07	0.1442198E-06	0.1195001
4.200000	4.300000	4.250000	0.6939619E-02	0.1389439E-01	0.6939593E-07	0.1389433E-06	0.1121234
4.300000	4.400000	4.350000	0.6526539E-02	0.1337479E-01	0.6526545E-07	0.1337480E-06	0.1051838
4.400000	4.500000	4.450000	0.6136551E-02	0.1286468E-01	0.6136557E-07	0.1286470E-06	0.9865726E-01
4.500000	4.600000	4.550000	0.5767616E-02	0.1236296E-01	0.5767622E-07	0.1236297E-06	0.9252071E-01
4.600000	4.700000	4.650000	0.5419734E-02	0.1187259E-01	0.5419739E-07	0.1187260E-06	0.8675309E-01
4.700000	4.800000	4.750000	0.5091928E-02	0.1139438E-01	0.5091908E-07	0.1139433E-06	0.8133336E-01
4.800000	4.900000	4.850000	0.4783122E-02	0.1092869E-01	0.4783126E-07	0.1092870E-06	0.7624143E-01
4.900000	5.000000	4.950000	0.4492384E-02	0.1047603E-01	0.4492388E-07	0.1047604E-06	0.7145831E-01
5.000000	5.100000	5.050000	0.4217688E-02	0.1003415E-01	0.4217693E-07	0.1003416E-06	0.6696592E-01
5.100000	5.200000	5.150000	0.3960035E-02	0.9607734E-02	0.3960039E-07	0.9607744E-07	0.6274823E-01
5.200000	5.300000	5.250000	0.3716435E-02	0.9191803E-02	0.3716421E-07	0.9191768E-07	0.5878820E-01
5.300000	5.400000	5.350000	0.3487839E-02	0.8790730E-02	0.3487842E-07	0.8790738E-07	0.5507176E-01
5.400000	5.500000	5.450000	0.3272292E-02	0.8401624E-02	0.3272295E-07	0.8401632E-07	0.5158392E-01
5.500000	5.600000	5.550000	0.3069779E-02	0.8026290E-02	0.3069782E-07	0.8026297E-07	0.4831163E-01
5.600000	5.700000	5.650000	0.2879296E-02	0.7663894E-02	0.2879299E-07	0.7663902E-07	0.4524185E-01
5.700000	5.800000	5.750000	0.2699855E-02	0.7313463E-02	0.2699845E-07	0.7313434E-07	0.4236255E-01
5.800000	5.900000	5.850000	0.2531414E-02	0.6976440E-02	0.2531416E-07	0.6976447E-07	0.3966270E-01
5.900000	6.000000	5.950000	0.2374016E-02	0.6654500E-02	0.2374019E-07	0.6654506E-07	0.3713128E-01
6.000000	6.100000	6.050000	0.2224638E-02	0.6340587E-02	0.2224640E-07	0.6340592E-07	0.3475727E-01
6.100000	6.200000	6.150000	0.2085285E-02	0.6041646E-02	0.2085287E-07	0.6041651E-07	0.3253263E-01
6.200000	6.300000	6.250000	0.1953961E-02	0.5753216E-02	0.1953954E-07	0.5753195E-07	0.3044734E-01
6.300000	6.400000	6.350000	0.1830639E-02	0.5476349E-02	0.1830640E-07	0.5476355E-07	0.2849338E-01
6.400000	6.500000	6.450000	0.1714345E-02	0.5209220E-02	0.1714347E-07	0.5209225E-07	0.2666274E-01
6.500000	6.600000	6.550000	0.1605067E-02	0.4952782E-02	0.1605068E-07	0.4952787E-07	0.2494840E-01
6.600000	6.700000	6.650000	0.1502808E-02	0.4708037E-02	0.1502809E-07	0.4708042E-07	0.2334333E-01
6.700000	6.800000	6.750000	0.1407574E-02	0.4475996E-02	0.1407568E-07	0.4475979E-07	0.2184052E-01
6.800000	6.900000	6.850000	0.1317338E-02	0.4251112E-02	0.1317339E-07	0.4251116E-07	0.2043295E-01
6.900000	7.000000	6.950000	0.1233125E-02	0.4037446E-02	0.1233126E-07	0.4037450E-07	0.1911561E-01
7.000000	7.100000	7.050000	0.1153924E-02	0.3832491E-02	0.1153925E-07	0.3832495E-07	0.1788249E-01
7.100000	7.200000	7.150000	0.1079736E-02	0.3636960E-02	0.1079737E-07	0.3636963E-07	0.1672856E-01
7.200000	7.300000	7.250000	0.1010566E-02	0.3451577E-02	0.1010562E-07	0.3451564E-07	0.1564883E-01
7.300000	7.400000	7.350000	0.9458971E-03	0.3275261E-02	0.9458979E-08	0.3275265E-07	0.1463826E-01
7.400000	7.500000	7.450000	0.8850429E-03	0.3106242E-02	0.8850438E-08	0.3106245E-07	0.1369236E-01
7.500000	7.600000	7.550000	0.8279983E-03	0.2945040E-02	0.8279990E-08	0.2945042E-07	0.1280732E-01
7.600000	7.700000	7.650000	0.7746630E-03	0.2791830E-02	0.7746637E-08	0.2791833E-07	0.1197932E-01
7.700000	7.799990	7.749995	0.7246676E-03	0.2645788E-02	0.7247374E-08	0.2646043E-07	0.1120466E-01
7.799990	7.899990	7.849990	0.6779179E-03	0.2507038E-02	0.6779185E-08	0.2507041E-07	0.1047999E-01

7.899990	7.999990	7.949990	0.6342072E-03	0.2375267E-02	0.6342078E-08	0.2375270E-07	0.9802074E-02
7.999990	8.099990	8.049990	0.5933035E-03	0.2250023E-02	0.5933041E-08	0.2250025E-07	0.9167867E-02
8.099990	8.200000	8.149995	0.5551624E-03	0.2131533E-02	0.5551073E-08	0.2131322E-07	0.8574563E-02
8.200000	8.300000	8.250000	0.5193186E-03	0.2018378E-02	0.5193166E-08	0.2018371E-07	0.8019401E-02
8.300000	8.400000	8.350000	0.4858288E-03	0.1911105E-02	0.4858316E-08	0.1911116E-07	0.7500082E-02
8.400000	8.500000	8.450000	0.4544538E-03	0.1809094E-02	0.4544520E-08	0.1809087E-07	0.7014254E-02
8.500000	8.600000	8.550000	0.4251795E-03	0.1712589E-02	0.4251778E-08	0.1712582E-07	0.6559800E-02
8.600000	8.700000	8.650000	0.3978062E-03	0.1621072E-02	0.3978085E-08	0.1621082E-07	0.6134620E-02
8.700000	8.800000	8.750000	0.3721448E-03	0.1534033E-02	0.3721434E-08	0.1534027E-07	0.5736814E-02
8.800000	8.900000	8.850000	0.3481807E-03	0.1451653E-02	0.3481827E-08	0.1451661E-07	0.5364669E-02
8.900000	9.000000	8.950000	0.3257269E-03	0.1373382E-02	0.3257257E-08	0.1373377E-07	0.5016489E-02
9.000000	9.100000	9.050000	0.3047739E-03	0.1299395E-02	0.3047727E-08	0.1299390E-07	0.4690762E-02
9.100000	9.200000	9.150000	0.2850209E-03	0.1228606E-02	0.2850226E-08	0.1228613E-07	0.4385988E-02
9.200000	9.300000	9.250000	0.2666770E-03	0.1162096E-02	0.2666760E-08	0.1162092E-07	0.4100967E-02
9.300000	9.400000	9.350000	0.2495312E-03	0.1099135E-02	0.2495326E-08	0.1099142E-07	0.3834290E-02
9.400000	9.500000	9.450000	0.2333926E-03	0.1039043E-02	0.2333917E-08	0.1039039E-07	0.3584759E-02
9.500000	9.600000	9.550000	0.2183544E-03	0.9823812E-03	0.2183536E-08	0.9823774E-08	0.3351366E-02
9.600000	9.700000	9.650000	0.2042165E-03	0.9283951E-03	0.2042177E-08	0.9284005E-08	0.3133012E-02
9.700000	9.800000	9.750000	0.1909849E-03	0.8772399E-03	0.1909842E-08	0.8772365E-08	0.2928796E-02
9.800000	9.900000	9.850000	0.1786518E-03	0.8290076E-03	0.1786529E-08	0.8290123E-08	0.2737811E-02
9.900000	10.00000	9.950000	0.1670241E-03	0.7829191E-03	0.1670234E-08	0.7829161E-08	0.2559159E-02
10.00000	10.10000	10.05000	0.1560963E-03	0.7390496E-03	0.1560957E-08	0.7390467E-08	0.2392135E-02
10.10000	10.20000	10.15000	0.1459692E-03	0.6979785E-03	0.1459700E-08	0.6979825E-08	0.2236038E-02
10.20000	10.30000	10.25000	0.1365467E-03	0.6593555E-03	0.1365461E-08	0.6593530E-08	0.2090069E-02
10.30000	10.40000	10.35000	0.1276228E-03	0.6222766E-03	0.1276235E-08	0.6222801E-08	0.1953522E-02
10.40000	10.50000	10.45000	0.1193029E-03	0.5873298E-03	0.1193024E-08	0.5873276E-08	0.1825900E-02
10.50000	10.60000	10.55000	0.1115833E-03	0.5545826E-03	0.1115828E-08	0.5545805E-08	0.1706597E-02
10.60000	10.70000	10.65000	0.1043639E-03	0.5236182E-03	0.1043645E-08	0.5236212E-08	0.1595013E-02
10.70000	10.80000	10.75000	0.9761785E-04	0.4943704E-03	0.9761748E-09	0.4943685E-08	0.1490650E-02
10.80000	10.90000	10.85000	0.9126084E-04	0.4664756E-03	0.9126136E-09	0.4664782E-08	0.1393032E-02
10.90000	11.00000	10.95000	0.8533667E-04	0.4402148E-03	0.8533635E-09	0.4402131E-08	0.1301771E-02
11.00000	11.10000	11.05000	0.7979259E-04	0.4153743E-03	0.7979228E-09	0.4153727E-08	0.1216434E-02
11.10000	11.20000	11.15000	0.7461874E-04	0.3919562E-03	0.7461917E-09	0.3919584E-08	0.1136642E-02
11.20000	11.30000	11.25000	0.6976713E-04	0.3697585E-03	0.6976687E-09	0.3697571E-08	0.1062023E-02
11.30000	11.40000	11.35000	0.6523501E-04	0.3488120E-03	0.6523538E-09	0.3488140E-08	0.9922558E-03
11.40000	11.50000	11.45000	0.6099486E-04	0.3290133E-03	0.6099463E-09	0.3290121E-08	0.9270207E-03
11.50000	11.60000	11.55000	0.5702479E-04	0.3102848E-03	0.5702457E-09	0.3102836E-08	0.8660258E-03
11.60000	11.70000	11.65000	0.5331486E-04	0.2926099E-03	0.5331517E-09	0.2926115E-08	0.8090010E-03
11.70000	11.80000	11.75000	0.4984656E-04	0.2759229E-03	0.4984637E-09	0.2759219E-08	0.7556862E-03

11.80000	11.90000	11.85000	0.4659786E-04	0.2601352E-03	0.4659813E-09	0.2601366E-08	0.7058397E-03
11.90000	12.00000	11.95000	0.4356060E-04	0.2452317E-03	0.4356044E-09	0.2452307E-08	0.6592418E-03
12.00000	12.10000	12.05000	0.4072340E-04	0.2311776E-03	0.4072324E-09	0.2311767E-08	0.6156812E-03
12.10000	12.20000	12.15000	0.3805626E-04	0.2178297E-03	0.3805648E-09	0.2178310E-08	0.5749578E-03
12.20000	12.30000	12.25000	0.3557031E-04	0.2052762E-03	0.3557017E-09	0.2052754E-08	0.5369015E-03
12.30000	12.40000	12.35000	0.3324409E-04	0.1934177E-03	0.3324428E-09	0.1934188E-08	0.5013312E-03
12.40000	12.50000	12.45000	0.3106888E-04	0.1822257E-03	0.3106876E-09	0.1822251E-08	0.4680871E-03
12.50000	12.60000	12.55000	0.2903371E-04	0.1716568E-03	0.2903360E-09	0.1716561E-08	0.4370182E-03
12.60000	12.70000	12.65000	0.2713864E-04	0.1617310E-03	0.2713880E-09	0.1617320E-08	0.4079845E-03
12.70000	12.80000	12.75000	0.2535437E-04	0.1522923E-03	0.2535428E-09	0.1522917E-08	0.3808459E-03
12.80000	12.90000	12.85000	0.2368992E-04	0.1434107E-03	0.2369006E-09	0.1434115E-08	0.3554915E-03
12.90000	13.00000	12.95000	0.2213620E-04	0.1350478E-03	0.2213612E-09	0.1350473E-08	0.3318015E-03
13.00000	13.10000	13.05000	0.2068251E-04	0.1271536E-03	0.2068243E-09	0.1271531E-08	0.3096653E-03
13.10000	13.20000	13.15000	0.1931886E-04	0.1196801E-03	0.1931897E-09	0.1196808E-08	0.2889828E-03
13.20000	13.30000	13.25000	0.1804581E-04	0.1126437E-03	0.1804574E-09	0.1126433E-08	0.2696640E-03
13.30000	13.40000	13.35000	0.1685263E-04	0.1059897E-03	0.1685273E-09	0.1059903E-08	0.2516182E-03
13.40000	13.50000	13.45000	0.1573996E-04	0.9973344E-04	0.1573990E-09	0.9973306E-09	0.2347655E-03
13.50000	13.60000	13.55000	0.1469731E-04	0.9381925E-04	0.1469725E-09	0.9381889E-09	0.2190256E-03
13.60000	13.70000	13.65000	0.1372471E-04	0.8825731E-04	0.1372479E-09	0.8825782E-09	0.2043282E-03
13.70000	13.80000	13.75000	0.1282255E-04	0.8306000E-04	0.1282250E-09	0.8305968E-09	0.1906035E-03
13.80000	13.90000	13.85000	0.1197027E-04	0.7810317E-04	0.1197034E-09	0.7810362E-09	0.1777810E-03
13.90000	14.00000	13.95000	0.1117838E-04	0.7346284E-04	0.1117833E-09	0.7346256E-09	0.1658107E-03
14.00000	14.10000	14.05000	0.1044652E-04	0.6914533E-04	0.1044648E-09	0.6914507E-09	0.1546323E-03
14.10000	14.20000	14.15000	0.9754673E-05	0.6502552E-04	0.9754729E-10	0.6502590E-09	0.1441858E-03
14.20000	14.30000	14.25000	0.9106119E-05	0.6113120E-04	0.9106085E-10	0.6113097E-09	0.1344311E-03
14.30000	14.40000	14.35000	0.8502506E-05	0.5747958E-04	0.8502554E-10	0.5747992E-09	0.1253250E-03
14.40000	14.50000	14.45000	0.7939158E-05	0.5404519E-04	0.7939129E-10	0.5404499E-09	0.1168225E-03
14.50000	14.60000	14.55000	0.7412820E-05	0.5081140E-04	0.7412792E-10	0.5081121E-09	0.1088833E-03
14.60000	14.70000	14.65000	0.6917498E-05	0.4774209E-04	0.6917537E-10	0.4774236E-09	0.1014705E-03
14.70000	14.80000	14.75000	0.6451380E-05	0.4482903E-04	0.6451355E-10	0.4482886E-09	0.9455302E-04
14.80000	14.90000	14.85000	0.6019225E-05	0.4210966E-04	0.6019259E-10	0.4210990E-09	0.8810164E-04
14.90000	15.00000	14.95000	0.5619267E-05	0.3957634E-04	0.5619246E-10	0.3957619E-09	0.8208241E-04
15.00000	15.10000	15.05000	0.5248324E-05	0.3721105E-04	0.5248304E-10	0.3721091E-09	0.7646315E-04
15.10000	15.20000	15.15000	0.4903403E-05	0.3499653E-04	0.4903431E-10	0.3499673E-09	0.7121482E-04
15.20000	15.30000	15.25000	0.4583638E-05	0.3293024E-04	0.4583620E-10	0.3293011E-09	0.6631142E-04
15.30000	15.40000	15.35000	0.4279826E-05	0.3094919E-04	0.4279851E-10	0.3094937E-09	0.6172778E-04
15.40000	15.50000	15.45000	0.3991134E-05	0.2904956E-04	0.3991119E-10	0.2904944E-09	0.5744796E-04
15.50000	15.60000	15.55000	0.3723453E-05	0.2727665E-04	0.3723439E-10	0.2727655E-09	0.5345682E-04
15.60000	15.70000	15.65000	0.3475792E-05	0.2562612E-04	0.3475812E-10	0.2562627E-09	0.4973337E-04

15.70000	15.80000	15.75000	0.3246242E-05	0.2408664E-04	0.3246230E-10	0.2408655E-09	0.4625757E-04
15.80000	15.90000	15.85000	0.3032671E-05	0.2264484E-04	0.3032688E-10	0.2264497E-09	0.4301133E-04
15.90000	16.00000	15.95000	0.2834196E-05	0.2129635E-04	0.2834185E-10	0.2129627E-09	0.3997866E-04
16.00000	16.10000	16.05000	0.2645717E-05	0.2000475E-04	0.2645707E-10	0.2000468E-09	0.3714447E-04
16.10000	16.20000	16.15000	0.2467264E-05	0.1877167E-04	0.2467255E-10	0.1877160E-09	0.3449875E-04
16.20000	16.30000	16.25000	0.2301800E-05	0.1762121E-04	0.2301835E-10	0.1762148E-09	0.3203149E-04
16.30000	16.40000	16.35000	0.2148455E-05	0.1654850E-04	0.2148447E-10	0.1654844E-09	0.2972969E-04
16.40000	16.50000	16.45000	0.2006093E-05	0.1554647E-04	0.2006086E-10	0.1554641E-09	0.2758123E-04
16.50000	16.60000	16.55000	0.1873758E-05	0.1460919E-04	0.1873750E-10	0.1460913E-09	0.2557514E-04
16.60000	16.70000	16.65000	0.1750444E-05	0.1373021E-04	0.1750437E-10	0.1373016E-09	0.2370138E-04
16.70000	16.80000	16.75000	0.1634117E-05	0.1289475E-04	0.1634142E-10	0.1289494E-09	0.2195093E-04
16.80000	16.90000	16.85000	0.1523869E-05	0.1209657E-04	0.1523864E-10	0.1209653E-09	0.2031682E-04
16.90000	17.00000	16.95000	0.1421610E-05	0.1135180E-04	0.1421604E-10	0.1135176E-09	0.1879295E-04
17.00000	17.10000	17.05000	0.1326367E-05	0.1065376E-04	0.1326362E-10	0.1065372E-09	0.1737134E-04
17.10000	17.20000	17.15000	0.1238143E-05	0.1000345E-04	0.1238138E-10	0.1000341E-09	0.1604497E-04
17.20000	17.30000	17.25000	0.1156916E-05	0.9401680E-05	0.1156933E-10	0.9401824E-10	0.1480683E-04
17.30000	17.40000	17.35000	0.1080743E-05	0.8833582E-05	0.1080739E-10	0.8833548E-10	0.1364991E-04
17.40000	17.50000	17.45000	0.1008561E-05	0.8291106E-05	0.1008557E-10	0.8291074E-10	0.1256917E-04
17.50000	17.60000	17.55000	0.9403875E-06	0.7774969E-05	0.9403840E-11	0.7774939E-10	0.1156061E-04
17.60000	17.70000	17.65000	0.8771269E-06	0.7293264E-05	0.8771236E-11	0.7293237E-10	0.1062022E-04
17.70000	17.80000	17.75000	0.8183621E-06	0.6843190E-05	0.8183746E-11	0.6843295E-10	0.9743094E-05
17.80000	17.90000	17.85000	0.7638394E-06	0.6423252E-05	0.7638364E-11	0.6423228E-10	0.8924731E-05
17.90000	18.00000	17.95000	0.7132107E-06	0.6031108E-05	0.7132080E-11	0.6031085E-10	0.8160892E-05
18.00000	18.10000	18.05000	0.6661915E-06	0.5664884E-05	0.6661889E-11	0.5664862E-10	0.7447681E-05
18.10000	18.20000	18.15000	0.6215782E-06	0.5314803E-05	0.6215758E-11	0.5314783E-10	0.6781489E-05
18.20000	18.30000	18.25000	0.5793598E-06	0.4981108E-05	0.5793687E-11	0.4981184E-10	0.6159911E-05
18.30000	18.40000	18.35000	0.5401714E-06	0.4669629E-05	0.5401694E-11	0.4669611E-10	0.5580551E-05
18.40000	18.50000	18.45000	0.5038793E-06	0.4379632E-05	0.5038774E-11	0.4379615E-10	0.5040380E-05
18.50000	18.60000	18.55000	0.4701938E-06	0.4108994E-05	0.4701920E-11	0.4108978E-10	0.4536501E-05
18.60000	18.70000	18.65000	0.4389143E-06	0.3856323E-05	0.4389126E-11	0.3856308E-10	0.4066307E-05
18.70000	18.80000	18.75000	0.4098328E-06	0.3620118E-05	0.4098390E-11	0.3620173E-10	0.3627393E-05
18.80000	18.90000	18.85000	0.3822706E-06	0.3394665E-05	0.3822691E-11	0.3394652E-10	0.3217560E-05
18.90000	19.00000	18.95000	0.3563046E-06	0.3180866E-05	0.3563032E-11	0.3180854E-10	0.2835289E-05
19.00000	19.10000	19.05000	0.3321433E-06	0.2980816E-05	0.3321420E-11	0.2980804E-10	0.2478985E-05
19.10000	19.20000	19.15000	0.3097866E-06	0.2794771E-05	0.3097854E-11	0.2794760E-10	0.2146841E-05
19.20000	19.30000	19.25000	0.2890283E-06	0.2621113E-05	0.2890327E-11	0.2621153E-10	0.1837055E-05
19.30000	19.40000	19.35000	0.2697850E-06	0.2459311E-05	0.2697840E-11	0.2459302E-10	0.1548026E-05
19.40000	19.50000	19.45000	0.2518394E-06	0.2307587E-05	0.2518385E-11	0.2307578E-10	0.1278241E-05
19.50000	19.60000	19.55000	0.2348963E-06	0.2163405E-05	0.2348954E-11	0.2163396E-10	0.1026402E-05

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Title: list spectrum punch file in tabular format

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APPENDIX C

**MANIPULATE LISTINGS of SPECTRAL INTEGRAL
PARAMETERS of PRIMARY ENVIRONMENTS**

MANIPULATE Run 1:

Environment:	SPR-III Central Cavity
File Name:	SPR3CC_BASELINE

Picked up exported job name = spr3cc_baseline
Blank optical default filled /u3

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: response.sand_fluence

Final Folded Summation: 1.000000
Final Folded Summation above 3 MeV: 0.1073248
Final Folded Summation above 10 keV: 0.9985387
---- if normed to fluence > 10 keV: 1.000000
First function = 0.9985387 of a total response = 1.000000
Second function = 280.0000 of a total response = 640.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: response.sand_fluence_10kev

Final Folded Summation: 0.9985387
Final Folded Summation above 3 MeV: 0.1073248
Final Folded Summation above 10 keV: 0.9985387
---- if normed to fluence > 10 keV: 1.000000
First function = 0.9985387 of a total response = 1.000000
Second function = 280.0000 of a total response = 280.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: response.sand_fluence_3mev

Final Folded Summation: 0.1073248
Final Folded Summation above 3 MeV: 0.1073248
Final Folded Summation above 10 keV: 0.1073248
---- if normed to fluence > 10 keV: 0.1074819
First function = 0.9985387 of a total response = 1.000000
Second function = 170.0000 of a total response = 170.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: response.sand_energy

Final Folded Summation: 1.257949
Final Folded Summation above 3 MeV: 0.4823707
Final Folded Summation above 10 keV: 1.257943
---- if normed to fluence > 10 keV: 1.259784
First function = 0.9985387 of a total response = 1.000000
Second function = 2015.044 of a total response = 2015.247

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: s-32g3.103

Final Folded Summation: 0.3254472E-01
Final Folded Summation above 3 MeV: 0.2607509E-01
Final Folded Summation above 10 keV: 0.3254472E-01
---- if normed to fluence > 10 keV: 0.3259235E-01
First function = 0.9985387 of a total response = 1.000000
Second function = 43.77213 of a total response = 43.77213

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: s-32vd.103

Final Folded Summation: 0.3524860E-01
Final Folded Summation above 3 MeV: 0.2761537E-01
Final Folded Summation above 10 keV: 0.3524860E-01
---- if normed to fluence > 10 keV: 0.3530019E-01
First function = 0.9985387 of a total response = 1.000000
Second function = 46.33941 of a total response = 46.33941

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

SAND-II Energy Grid is Imposed

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: gaas_astm.E722

Final Folded Summation: 60.46860
Final Folded Summation above 3 MeV: 10.51283
Final Folded Summation above 10 keV: 60.46399
---- if normed to fluence > 10 keV: 60.55247
First function = 0.9985387 of a total response = 1.000000
Second function = 25170.85 of a total response = 26160.98

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: si-28vi_astm.disdam

Final Folded Summation: 78.00787
Final Folded Summation above 3 MeV: 14.20886
Final Folded Summation above 10 keV: 78.00719
---- if normed to fluence > 10 keV: 78.12135
First function = 0.9985387 of a total response = 1.000000
Second function = 32611.16 of a total response = 32693.62

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: silicon.kerma-rad

Final Folded Summation: 0.6188138E-10
Final Folded Summation above 3 MeV: 0.1984321E-10
Final Folded Summation above 10 keV: 0.6188108E-10
---- if normed to fluence > 10 keV: 0.6197164E-10
First function = 0.9985387 of a total response = 1.000000
Second function = 0.1585506E-06 of a total response =
0.1585859E-06

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

SAND-II Energy Grid is Imposed

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: tld-400-kerma-rad

Final Folded Summation: 0.1259089E-09
Final Folded Summation above 3 MeV: 0.5668658E-10
Final Folded Summation above 10 keV: 0.1259074E-09
---- if normed to fluence > 10 keV: 0.1260917E-09
First function = 0.9985387 of a total response = 1.000000
Second function = 0.2173126E-06 of a total response =
0.2175293E-06

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: teflon.kerma-rad

Final Folded Summation: 0.1966062E-09
Final Folded Summation above 3 MeV: 0.5516324E-10
Final Folded Summation above 10 keV: 0.1966046E-09
---- if normed to fluence > 10 keV: 0.1968923E-09
First function = 0.9985387 of a total response = 1.000000
Second function = 0.2600212E-06 of a total response =
0.2600751E-06

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: alanine.kerma-rad

Final Folded Summation: 0.1749850E-08
Final Folded Summation above 3 MeV: 0.3912159E-09
Final Folded Summation above 10 keV: 0.1749786E-08
---- if normed to fluence > 10 keV: 0.1752346E-08
First function = 0.9985387 of a total response = 1.000000
Second function = 0.9681313E-06 of a total response =
0.1047043E-05

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: nylon.kerma-rad

Final Folded Summation: 0.1998100E-08
Final Folded Summation above 3 MeV: 0.4412509E-09
Final Folded Summation above 10 keV: 0.1998032E-08
---- if normed to fluence > 10 keV: 0.2000956E-08
First function = 0.9985387 of a total response = 1.000000
Second function = 0.1078963E-05 of a total response =
0.1137742E-05

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: alanine-eff-kerma

Final Folded Summation: 0.9030840E-09
Final Folded Summation above 3 MeV: 0.2536057E-09
Final Folded Summation above 10 keV: 0.9030541E-09
---- if normed to fluence > 10 keV: 0.9043756E-09
First function = 0.9985387 of a total response = 1.000000
Second function = 0.6258862E-06 of a total response =
0.7037860E-06

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: tld-400-eff-kerma

Final Folded Summation: 0.3803796E-09
Final Folded Summation above 3 MeV: 0.2885029E-09
Final Folded Summation above 10 keV: 0.3803796E-09
---- if normed to fluence > 10 keV: 0.3809362E-09
First function = 0.9985387 of a total response = 1.000000
Second function = 0.2784051E-05 of a total response =
0.2784052E-05

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: ni-58vi.103

Final Folded Summation: 0.5425172E-01
Final Folded Summation above 3 MeV: 0.4074265E-01
Final Folded Summation above 10 keV: 0.5425172E-01
---- if normed to fluence > 10 keV: 0.5433111E-01
First function = 0.9985387 of a total response = 1.000000
Second function = 69.43873 of a total response = 69.43873

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999943E-07 to 1.0

Spectrum Folding Option
Source File: spr3cc.ref-list
Response File: co-58m_sigpopx

Final Folded Summation: 0.1603245E-01
Final Folded Summation above 3 MeV: 0.1260593E-01
Final Folded Summation above 10 keV: 0.1603245E-01
---- if normed to fluence > 10 keV: 0.1605591E-01
First function = 0.9985387 of a total response = 1.000000
Second function = 30.11351 of a total response = 30.11351

1

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 9 0

MANIPULATE Run 2:

Environment:

SPR-III 17: Leakage

File Name:

SCR4_BASELINE

Picked up exported job name = scr4_baseline
Blank optical default filled /u3

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
Source File: scr4.ref-list
Response File: response.sand_fluence

Final Folded Summation: 1.000000
Final Folded Summation above 3 MeV: 0.1186295
Final Folded Summation above 10 keV: 0.9858252
---- if normed to fluence > 10 keV: 1.000000
First function = 0.9858252 of a total response = 1.000000
Second function = 280.0000 of a total response = 640.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
Source File: scr4.ref-list
Response File: response.sand_fluence_10kev

Final Folded Summation: 0.9858252
Final Folded Summation above 3 MeV: 0.1186295
Final Folded Summation above 10 keV: 0.9858252
---- if normed to fluence > 10 keV: 1.000000
First function = 0.9858252 of a total response = 1.000000
Second function = 280.0000 of a total response = 280.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
Source File: scr4.ref-list
Response File: response.sand_fluence_3mev

Final Folded Summation: 0.1186295
Final Folded Summation above 3 MeV: 0.1186295
Final Folded Summation above 10 keV: 0.1186295
---- if normed to fluence > 10 keV: 0.1203353
First function = 0.9858252 of a total response = 1.000000
Second function = 170.0000 of a total response = 170.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
Source File: scr4.ref-list
Response File: response.sand_energy

Final Folded Summation: 1.337967
Final Folded Summation above 3 MeV: 0.5343961
Final Folded Summation above 10 keV: 1.337948
---- if normed to fluence > 10 keV: 1.357186
First function = 0.9858252 of a total response = 1.000000
Second function = 2015.044 of a total response = 2015.247

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
Source File: scr4.ref-list
Response File: s-32g3.103

Final Folded Summation: 0.3574323E-01
Final Folded Summation above 3 MeV: 0.2893604E-01
Final Folded Summation above 10 keV: 0.3574323E-01
---- if normed to fluence > 10 keV: 0.3625717E-01
First function = 0.9858252 of a total response = 1.000000
Second function = 43.77213 of a total response = 43.77213

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
Source File: scr4.ref-list
Response File: s-32vd.103

Final Folded Summation: 0.3868185E-01
Final Folded Summation above 3 MeV: 0.3064281E-01
Final Folded Summation above 10 keV: 0.3868185E-01
---- if normed to fluence > 10 keV: 0.3923804E-01
First function = 0.9858252 of a total response = 1.000000
Second function = 46.33941 of a total response = 46.33941

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

SAND-II Energy Grid is Imposed

Spectrum Folding Option
Source File: scr4.ref-list
Response File: gaas_astm.E722

Final Folded Summation: 60.99382
Final Folded Summation above 3 MeV: 11.63444
Final Folded Summation above 10 keV: 60.96450
---- if normed to fluence > 10 keV: 61.84108
First function = 0.9858252 of a total response = 1.000000
Second function = 25170.85 of a total response = 26160.98

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
Source File: scr4.ref-list
Response File: si-28vi_astm.disdam

Final Folded Summation: 79.34019
Final Folded Summation above 3 MeV: 15.75534
Final Folded Summation above 10 keV: 79.33784
---- if normed to fluence > 10 keV: 80.47861
First function = 0.9858252 of a total response = 1.000000
Second function = 32611.16 of a total response = 32693.62

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
 Source File: scr4.ref-list
 Response File: silicon.kerma-rad

Final Folded Summation: 0.6433039E-10
 Final Folded Summation above 3 MeV: 0.2186737E-10
 Final Folded Summation above 10 keV: 0.6432938E-10
 ---- if normed to fluence > 10 keV: 0.6525434E-10
 First function = 0.9858252 of a total response = 1.000000
 Second function = 0.1585506E-06 of a total response =
 0.1585859E-06

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

SAND-II Energy Grid is Imposed

Spectrum Folding Option
 Source File: scr4.ref-list
 Response File: tld-400-kerma-rad

Final Folded Summation: 0.1327887E-09
 Final Folded Summation above 3 MeV: 0.6294005E-10
 Final Folded Summation above 10 keV: 0.1327791E-09
 ---- if normed to fluence > 10 keV: 0.1346883E-09
 First function = 0.9858252 of a total response = 1.000000
 Second function = 0.2173126E-06 of a total response =
 0.2175293E-06

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
 Source File: scr4.ref-list
 Response File: teflon.kerma-rad

Final Folded Summation: 0.2030804E-09
 Final Folded Summation above 3 MeV: 0.6105089E-10
 Final Folded Summation above 10 keV: 0.2030754E-09
 ---- if normed to fluence > 10 keV: 0.2059953E-09
 First function = 0.9858252 of a total response = 1.000000
 Second function = 0.2600212E-06 of a total response =
 0.2600751E-06

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
 Source File: scr4.ref-list
 Response File: alanine.kerma-rad

Final Folded Summation: 0.1797080E-08
 Final Folded Summation above 3 MeV: 0.4328598E-09
 Final Folded Summation above 10 keV: 0.1796564E-08
 ---- if normed to fluence > 10 keV: 0.1822396E-08
 First function = 0.9858252 of a total response = 1.000000
 Second function = 0.9681313E-06 of a total response =
 0.1047043E-05

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
Source File: scr4.ref-list
Response File: nylon.kerma-rad

Final Folded Summation: 0.2051206E-08
Final Folded Summation above 3 MeV: 0.4881788E-09
Final Folded Summation above 10 keV: 0.2050764E-08
---- if normed to fluence > 10 keV: 0.2080251E-08
First function = 0.9858252 of a total response = 1.000000
Second function = 0.1078963E-05 of a total response =
0.1137742E-05

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
Source File: scr4.ref-list
Response File: alanine-eff-kerma

Final Folded Summation: 0.9468226E-09
Final Folded Summation above 3 MeV: 0.2810127E-09
Final Folded Summation above 10 keV: 0.9464080E-09
---- if normed to fluence > 10 keV: 0.9600160E-09
First function = 0.9858252 of a total response = 1.000000
Second function = 0.6258862E-06 of a total response =
0.7037860E-06

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
Source File: scr4.ref-list
Response File: tld-400-eff-kerma

Final Folded Summation: 0.4173537E-09
Final Folded Summation above 3 MeV: 0.3202695E-09
Final Folded Summation above 10 keV: 0.4173537E-09
---- if normed to fluence > 10 keV: 0.4233547E-09
First function = 0.9858252 of a total response = 1.000000
Second function = 0.2784051E-05 of a total response =
0.2784052E-05

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
Source File: scr4.ref-list
Response File: ni-58vi.103

Final Folded Summation: 0.5958088E-01
Final Folded Summation above 3 MeV: 0.4515266E-01
Final Folded Summation above 10 keV: 0.5958088E-01
---- if normed to fluence > 10 keV: 0.6043757E-01
First function = 0.9858252 of a total response = 1.000000
Second function = 69.43873 of a total response = 69.43873

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999932E-07 to 1.0

Spectrum Folding Option
Source File: scr4.ref-list
Response File: co-58m_sigpopx

Final Folded Summation: 0.1764257E-01
Final Folded Summation above 3 MeV: 0.1398269E-01
Final Folded Summation above 10 keV: 0.1764257E-01
---- if normed to fluence > 10 keV: 0.1789625E-01
First function = 0.9858252 of a total response = 1.000000
Second function = 30.11351 of a total response = 30.11351

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 9 0

MANIPULATE Run 3:

Environment:	ACRR Central Cavity
File Name:	ACF9_BASELINE

Picked up exported job name = acf9_baseline
Blank optical default filled /u3

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
Source File: acf9.ref-list
Response File: response.sand_fluence

Final Folded Summation: 1.000001
Final Folded Summation above 3 MeV: 0.5553234E-01
Final Folded Summation above 10 keV: 0.6281567
---- if normed to fluence > 10 keV: 1.000000
First function = 0.6281567 of a total response = 1.000001
Second function = 280.0000 of a total response = 640.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
Source File: acf9.ref-list
Response File: response.sand_fluence_10kev

Final Folded Summation: 0.6281567
Final Folded Summation above 3 MeV: 0.5553234E-01
Final Folded Summation above 10 keV: 0.6281567
---- if normed to fluence > 10 keV: 1.000000
First function = 0.6281567 of a total response = 1.000001
Second function = 280.0000 of a total response = 280.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
Source File: acf9.ref-list
Response File: response.sand_fluence_3mev

Final Folded Summation: 0.5553234E-01
Final Folded Summation above 3 MeV: 0.5553234E-01
Final Folded Summation above 10 keV: 0.5553234E-01
---- if normed to fluence > 10 keV: 0.8840524E-01
First function = 0.6281567 of a total response = 1.000001
Second function = 170.0000 of a total response = 170.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
Source File: acf9.ref-list
Response File: response.sand_energy

Final Folded Summation: 0.6594392
Final Folded Summation above 3 MeV: 0.2396189
Final Folded Summation above 10 keV: 0.6590878
---- if normed to fluence > 10 keV: 1.049241
First function = 0.6281567 of a total response = 1.000001
Second function = 2015.044 of a total response = 2015.247

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
 Source File: acf9.ref-list
 Response File: s-32g3.103

Final Folded Summation: 0.1695203E-01
 Final Folded Summation above 3 MeV: 0.1320430E-01
 Final Folded Summation above 10 keV: 0.1695203E-01
 ---- if normed to fluence > 10 keV: 0.2698695E-01
 First function = 0.6281567 of a total response = 1.000001
 Second function = 43.77213 of a total response = 43.77213

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
 Source File: acf9.ref-list
 Response File: s-32vd.103

Final Folded Summation: 0.1827713E-01
 Final Folded Summation above 3 MeV: 0.1385705E-01
 Final Folded Summation above 10 keV: 0.1827713E-01
 ---- if normed to fluence > 10 keV: 0.2909645E-01
 First function = 0.6281567 of a total response = 1.000001
 Second function = 46.33941 of a total response = 46.33941

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

SAND-II Energy Grid is Imposed

Spectrum Folding Option
 Source File: acf9.ref-list
 Response File: gaas_astm.E722

Final Folded Summation: 33.00805
 Final Folded Summation above 3 MeV: 5.345023
 Final Folded Summation above 10 keV: 32.31269
 ---- if normed to fluence > 10 keV: 51.44049
 First function = 0.6281567 of a total response = 1.000001
 Second function = 25170.85 of a total response = 26160.98

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
 Source File: acf9.ref-list
 Response File: si-28vi_astm.disdam

Final Folded Summation: 40.58370
 Final Folded Summation above 3 MeV: 7.217250
 Final Folded Summation above 10 keV: 40.53793
 ---- if normed to fluence > 10 keV: 64.53474
 First function = 0.6281567 of a total response = 1.000001
 Second function = 32611.16 of a total response = 32693.62

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
 Source File: acf9.ref-list
 Response File: silicon.kerma-rad

Final Folded Summation: 0.3169796E-10
 Final Folded Summation above 3 MeV: 0.9552874E-11
 Final Folded Summation above 10 keV: 0.3167814E-10
 ---- if normed to fluence > 10 keV: 0.5043032E-10
 First function = 0.6281567 of a total response = 1.000001
 Second function = 0.1585506E-06 of a total response =
 0.1585859E-06

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

SAMD-II Energy Grid is Imposed

Spectrum Folding Option
 Source File: acf9.ref-list
 Response File: tld-400-kerma-rad

Final Folded Summation: 0.6488605E-10
 Final Folded Summation above 3 MeV: 0.2749638E-10
 Final Folded Summation above 10 keV: 0.6465208E-10
 ---- if normed to fluence > 10 keV: 0.1029235E-09
 First function = 0.6281567 of a total response = 1.000001
 Second function = 0.2173126E-06 of a total response =
 0.2175293E-06

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
 Source File: acf9.ref-list
 Response File: teflon.kerma-rad

Final Folded Summation: 0.1029367E-09
 Final Folded Summation above 3 MeV: 0.2752150E-10
 Final Folded Summation above 10 keV: 0.1028438E-09
 ---- if normed to fluence > 10 keV: 0.1637231E-09
 First function = 0.6281567 of a total response = 1.000001
 Second function = 0.2600212E-06 of a total response =
 0.2600751E-06

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
 Source File: acf9.ref-list
 Response File: alanine.kerma-rad

Final Folded Summation: 0.9487854E-09
 Final Folded Summation above 3 MeV: 0.2009070E-09
 Final Folded Summation above 10 keV: 0.9365554E-09
 ---- if normed to fluence > 10 keV: 0.1490958E-08
 First function = 0.6281567 of a total response = 1.000001
 Second function = 0.9681313E-06 of a total response =
 0.1047043E-05

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
Source File: acf9.ref-list
Response File: nylon.kerma-rad

Final Folded Summation: 0.1080291E-08
Final Folded Summation above 3 MeV: 0.2267500E-09
Final Folded Summation above 10 keV: 0.1070133E-08
---- if normed to fluence > 10 keV: 0.1703608E-08
First function = 0.6281567 of a total response = 1.000001
Second function = 0.1078963E-05 of a total response =
0.1137742E-05

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
Source File: acf9.ref-list
Response File: alanine-eff-kerma

Final Folded Summation: 0.4884343E-09
Final Folded Summation above 3 MeV: 0.1287105E-09
Final Folded Summation above 10 keV: 0.4780082E-09
---- if normed to fluence > 10 keV: 0.7609697E-09
First function = 0.6281567 of a total response = 1.000001
Second function = 0.6258862E-06 of a total response =
0.7037860E-06

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
Source File: acf9.ref-list
Response File: tld-400-eff-kerma

Final Folded Summation: 0.1855480E-09
Final Folded Summation above 3 MeV: 0.1347553E-09
Final Folded Summation above 10 keV: 0.1855476E-09
---- if normed to fluence > 10 keV: 0.2953842E-09
First function = 0.6281567 of a total response = 1.000001
Second function = 0.2784051E-05 of a total response =
0.2784052E-05

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
Source File: acf9.ref-list
Response File: ni-58vi.103

Final Folded Summation: 0.2773218E-01
Final Folded Summation above 3 MeV: 0.1995757E-01
Final Folded Summation above 10 keV: 0.2773218E-01
---- if normed to fluence > 10 keV: 0.4414952E-01
First function = 0.6281567 of a total response = 1.000001
Second function = 69.43873 of a total response = 69.43873

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999909E-07 to 1.0

Spectrum Folding Option
Source File: acf9.ref-11r
Response File: co-58a_sig

Final Folded Summation: 0.8043723E-02
Final Folded Summation above 3 MeV: 0.6075146E-02
Final Folded Summation above 10 keV: 0.8043723E-02
---- if normed to fluence > 10 keV: 0.1280528E-01
First function = 0.6281567 of a total response = 1.000001
Second function = 30.11351 of a total response = 30.11351

1

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

MANIPULATE Run 4:

Environment:	ACRR Pb-B₄C Bucket
File Name:	TPB13_BASELINE

Picked up exported job name = tpb13_baseline
Blank optical default filled /u3

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
Source File: tpb13.ref-list
Response File: response.sand_fluence

Final Folded Summation: 1.000000
Final Folded Summation above 3 MeV: 0.4844471E-01
Final Folded Summation above 10 keV: 0.8409392
---- if normed to fluence > 10 keV: 1.000000
First function = 0.8409392 of a total response = 1.000000
Second function = 280.0000 of a total response = 640.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
Source File: tpb13.ref-list
Response File: response.sand_fluence_10kev

Final Folded Summation: 0.8409392
Final Folded Summation above 3 MeV: 0.4844471E-01
Final Folded Summation above 10 keV: 0.8409392
---- if normed to fluence > 10 keV: 1.000000
First function = 0.8409392 of a total response = 1.000000
Second function = 280.0000 of a total response = 280.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
Source File: tpb13.ref-list
Response File: response.sand_fluence_3mev

Final Folded Summation: 0.4844471E-01
Final Folded Summation above 3 MeV: 0.4844471E-01
Final Folded Summation above 10 keV: 0.4844471E-01
---- if normed to fluence > 10 keV: 0.5760786E-01
First function = 0.8409392 of a total response = 1.000000
Second function = 170.0000 of a total response = 170.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
Source File: tpb13.ref-list
Response File: response.sand_energy

Final Folded Summation: 0.7330910
Final Folded Summation above 3 MeV: 0.2111009
Final Folded Summation above 10 keV: 0.7326382
---- if normed to fluence > 10 keV: 0.8712143
First function = 0.8409392 of a total response = 1.000000
Second function = 2015.044 of a total response = 2015.247

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
Source File: tpb13.ref-list
Response File: s-32g3.103

Final Folded Summation: 0.1531749E-01
Final Folded Summation above 3 MeV: 0.1159556E-01
Final Folded Summation above 10 keV: 0.1531749E-01
---- if normed to fluence > 10 keV: 0.1821474E-01
First function = 0.8409392 of a total response = 1.000000
Second function = 43.77213 of a total response = 43.77213

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
Source File: tpb13.ref-list
Response File: s-32vd.103

Final Folded Summation: 0.1662178E-01
Final Folded Summation above 3 MeV: 0.1220747E-01
Final Folded Summation above 10 keV: 0.1662178E-01
---- if normed to fluence > 10 keV: 0.1976573E-01
First function = 0.8409392 of a total response = 1.000000
Second function = 46.33941 of a total response = 46.33941

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

SAND-II Energy Grid is Imposed

Spectrum Folding Option
Source File: tpb13.ref-list
Response File: gaas_astm.E722

Final Folded Summation: 41.14120
Final Folded Summation above 3 MeV: 4.687666
Final Folded Summation above 10 keV: 40.66459
---- if normed to fluence > 10 keV: 48.35616
First function = 0.8409392 of a total response = 1.000000
Second function = 25170.85 of a total response = 26160.98

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
Source File: tpb13.ref-list
Response File: si-28vi_astm.disdam

Final Folded Summation: 50.38102
Final Folded Summation above 3 MeV: 6.349874
Final Folded Summation above 10 keV: 50.33112
---- if normed to fluence > 10 keV: 59.85108
First function = 0.8409392 of a total response = 1.000000
Second function = 32611.16 of a total response = 32693.62

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
Source File: tpb13.ref-list
Response File: silicon.kerma-rad

Final Folded Summation: 0.3707348E-10
Final Folded Summation above 3 MeV: 0.8346375E-11
Final Folded Summation above 10 keV: 0.3705196E-10
---- if normed to fluence > 10 keV: 0.4406021E-10
First function = 0.8409392 of a total response = 1.000000
Second function = 0.1585506E-06 of a total response =
0.1585859E-06

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

SAND-II Energy Grid is Imposed

Spectrum Folding Option
Source File: tpb13.ref-list
Response File: tld-400-kerma-rad

Final Folded Summation: 0.7195636E-10
Final Folded Summation above 3 MeV: 0.2445478E-10
Final Folded Summation above 10 keV: 0.7182151E-10
---- if normed to fluence > 10 keV: 0.8540630E-10
First function = 0.8409392 of a total response = 1.000000
Second function = 0.2173126E-06 of a total response =
0.2175293E-06

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
Source File: tpb13.ref-list
Response File: teflon.kerma-rad

Final Folded Summation: 0.1218128E-09
Final Folded Summation above 3 MeV: 0.2412880E-10
Final Folded Summation above 10 keV: 0.1216931E-09
---- if normed to fluence > 10 keV: 0.1447110E-09
First function = 0.8409392 of a total response = 1.000000
Second function = 0.2600212E-06 of a total response =
0.2600751E-06

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
Source File: tpb13.ref-list
Response File: alanine.kerma-rad

Final Folded Summation: 0.1140440E-08
Final Folded Summation above 3 MeV: 0.1754558E-09
Final Folded Summation above 10 keV: 0.1136680E-08
---- if normed to fluence > 10 keV: 0.1351679E-08
First function = 0.8409392 of a total response = 1.000000
Second function = 0.9681313E-06 of a total response =
0.1047043E-05

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
 Source File: tpb13.ref-list
 Response File: nylon.kerma-rad

Final Folded Summation: 0.1303874E-08
 Final Folded Summation above 3 MeV: 0.1979854E-09
 Final Folded Summation above 10 keV: 0.1299625E-08
 ---- if normed to fluence > 10 keV: 0.1545445E-08
 First function = 0.8409392 of a total response = 1.000000
 Second function = 0.1078963E-05 of a total response =
 0.1137742E-05

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
 Source File: tpb13.ref-list
 Response File: alanine-eff-kerma

Final Folded Summation: 0.5581404E-09
 Final Folded Summation above 3 MeV: 0.1129222E-09
 Final Folded Summation above 10 keV: 0.5567731E-09
 ---- if normed to fluence > 10 keV: 0.6620849E-09
 First function = 0.8409392 of a total response = 1.000000
 Second function = 0.6258862E-06 of a total response =
 0.7037860E-06

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
 Source File: tpb13.ref-list
 Response File: tld-400-eff-kerma

Final Folded Summation: 0.1792023E-09
 Final Folded Summation above 3 MeV: 0.1202202E-09
 Final Folded Summation above 10 keV: 0.1792017E-09
 ---- if normed to fluence > 10 keV: 0.2130971E-09
 First function = 0.8409392 of a total response = 1.000000
 Second function = 0.2784051E-05 of a total response =
 0.2784052E-05

MANIPULATE Version 1
 Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
 Renormalized spectrum number fraction from 9.9999966E-07 to 1.0

Spectrum Folding Option
 Source File: tpb13.ref-list
 Response File: ni-58vi.103

Final Folded Summation: 0.2589012E-01
 Final Folded Summation above 3 MeV: 0.1771133E-01
 Final Folded Summation above 10 keV: 0.2589012E-01
 ---- if normed to fluence > 10 keV: 0.3078715E-01
 First function = 0.8409392 of a total response = 1.000000
 Second function = 69.43873 of a total response = 69.43873

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.999996E-07 to 1.0

Spectrum Folding Option
Source File: tpb13.ref-list
Response File: co-58m_sigpopx

Final Folded Summation: 0.7489774E-02
Final Folded Summation above 3 MeV: 0.5407185E-02
Final Folded Summation above 10 keV: 0.7489774E-02
---- if normed to fluence > 10 keV: 0.8906439E-02
First function = 0.8409392 of a total response = 1.000000
Second function = 30.11351 of a total response = 30.11351

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

MANIPULATE Run 5:

Environment:

NIST 252Cf Standard Benchmark Field

File Name:

CF252VI_BASELINE

Picked up exported job name = cf252vi_baseline
Blank optical default filled /u3

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999988E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: response.sand_fluence

Final Folded Summation: 1.000000
Final Folded Summation above 3 MeV: 0.2369358
Final Folded Summation above 10 keV: 0.9995724
---- if normed to fluence > 10 keV: 1.000000
First function = 0.9995724 of a total response = 1.000000
Second function = 280.0000 of a total response = 640.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999988E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: response.sand_fluence_10kev

Final Folded Summation: 0.9995724
Final Folded Summation above 3 MeV: 0.2369353
Final Folded Summation above 10 keV: 0.9995724
---- if normed to fluence > 10 keV: 1.000000
First function = 0.9995724 of a total response = 1.000000
Second function = 280.0000 of a total response = 280.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999988E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: response.sand_fluence_3mev

Final Folded Summation: 0.2369358
Final Folded Summation above 3 MeV: 0.2369358
Final Folded Summation above 10 keV: 0.2369358
---- if normed to fluence > 10 keV: 0.2370372
First function = 0.9995724 of a total response = 1.000000
Second function = 170.0000 of a total response = 170.0000

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999988E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: response.sand_energy

Final Folded Summation: 2.122682
Final Folded Summation above 3 MeV: 1.083136
Final Folded Summation above 10 keV: 2.122679
---- if normed to fluence > 10 keV: 2.123587
First function = 0.9995724 of a total response = 1.000000
Second function = 2015.044 of a total response = 2015.247

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999988E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: s-32g3.103

Final Folded Summation: 0.7045000E-01
Final Folded Summation above 3 MeV: 0.5820600E-01
Final Folded Summation above 10 keV: 0.7045000E-01
---- if normed to fluence > 10 keV: 0.7048014E-01
First function = 0.9995724 of a total response = 1.000000
Second function = 43.77213 of a total response = 43.77213

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999988E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: s-32vd.103

Final Folded Summation: 0.7601183E-01
Final Folded Summation above 3 MeV: 0.6159117E-01
Final Folded Summation above 10 keV: 0.7601183E-01
---- if normed to fluence > 10 keV: 0.7604434E-01
First function = 0.9995724 of a total response = 1.000000
Second function = 46.33941 of a total response = 46.33941

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999988E-07 to 1.0

SAND-II Energy Grid is Imposed

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: gaas_astm.E722

Final Folded Summation: 74.14235
Final Folded Summation above 3 MeV: 23.30219
Final Folded Summation above 10 keV: 74.14079
---- if normed to fluence > 10 keV: 74.17251
First function = 0.9995724 of a total response = 1.000000
Second function = 25170.85 of a total response = 26160.98

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999988E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: si-28vi_astm.disdan

Final Folded Summation: 100.4940
Final Folded Summation above 3 MeV: 31.49666
Final Folded Summation above 10 keV: 100.4937
---- if normed to fluence > 10 keV: 100.5367
First function = 0.9995724 of a total response = 1.000000
Second function = 32611.16 of a total response = 32693.62

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.999998E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: silicon.kerma-rad

Final Folded Summation: 0.9547736E-10
Final Folded Summation above 3 MeV: 0.4653814E-10
Final Folded Summation above 10 keV: 0.9547723E-10
---- if normed to fluence > 10 keV: 0.9551807E-10
First function = 0.9995724 of a total response = 1.000000
Second function = 0.1585506E-06 of a total response =
0.1585859E-06

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.999998E-07 to 1.0

SAMD-II Energy Grid is Imposed

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: tld-400-kerma-rad

Final Folded Summation: 0.2100600E-09
Final Folded Summation above 3 MeV: 0.1274757E-09
Final Folded Summation above 10 keV: 0.2100595E-09
---- if normed to fluence > 10 keV: 0.2101494E-09
First function = 0.9995724 of a total response = 1.000000
Second function = 0.2173126E-06 of a total response =
0.2175293E-06

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.999998E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: teflon.kerma-rad

Final Folded Summation: 0.2859132E-09
Final Folded Summation above 3 MeV: 0.1244679E-09
Final Folded Summation above 10 keV: 0.2859125E-09
---- if normed to fluence > 10 keV: 0.2860349E-09
First function = 0.9995724 of a total response = 1.000000
Second function = 0.2600212E-06 of a total response =
0.2600751E-06

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.999998E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: alanine.kerma-rad

Final Folded Summation: 0.2388606E-08
Final Folded Summation above 3 MeV: 0.8686343E-09
Final Folded Summation above 10 keV: 0.2388585E-08
---- if normed to fluence > 10 keV: 0.2389607E-08
First function = 0.9995724 of a total response = 1.000000
Second function = 0.9681313E-06 of a total response =
0.1047043E-05

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999988E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: nylon.kerma-rad

Final Folded Summation: 0.2722293E-08
Final Folded Summation above 3 MeV: 0.9793243E-09
Final Folded Summation above 10 keV: 0.2722270E-08
---- if normed to fluence > 10 keV: 0.2723435E-08
First function = 0.9995724 of a total response = 1.000000
Second function = 0.1078963E-05 of a total response =
0.1137742E-05

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999988E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: alanine-eff-kerma

Final Folded Summation: 0.1376612E-08
Final Folded Summation above 3 MeV: 0.5641103E-09
Final Folded Summation above 10 keV: 0.1376606E-08
---- if normed to fluence > 10 keV: 0.1377195E-08
First function = 0.9995724 of a total response = 1.000000
Second function = 0.6258862E-06 of a total response =
0.7037860E-06

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999988E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: tld-400-eff-kerma

Final Folded Summation: 0.8101897E-09
Final Folded Summation above 3 MeV: 0.6670433E-09
Final Folded Summation above 10 keV: 0.8101897E-09
---- if normed to fluence > 10 keV: 0.8105363E-09
First function = 0.9995724 of a total response = 1.000000
Second function = 0.2784051E-05 of a total response =
0.2784052E-05

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999988E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: ni-58vi.103

Final Folded Summation: 0.1153180
Final Folded Summation above 3 MeV: 0.9075665E-01
Final Folded Summation above 10 keV: 0.1153180
---- if normed to fluence > 10 keV: 0.1153673
First function = 0.9995724 of a total response = 1.000000
Second function = 69.43873 of a total response = 69.43873

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 6 0 0 0 0 0 0 0 2 0 0 0 0 0 0 0 0 0 0 0
Renormalized spectrum number fraction from 9.9999988E-07 to 1.0

Spectrum Folding Option
Source File: cf252vi.ref-list
Response File: co-58m_sigpopx

Final Folded Summation: 0.3454864E-01
Final Folded Summation above 3 MeV: 0.2835426E-01
Final Folded Summation above 10 keV: 0.3454864E-01
---- if normed to fluence > 10 keV: 0.3456341E-01
First function = 0.9995724 of a total response = 1.000000
Second function = 30.11351 of a total response = 30.11351

MANIPULATE Version 1
Title: Baseline spectrum integral parameter characterization

Control Parameters: 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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DISTRIBUTION:

1	MS 1141	T. R. Schmidt (Org. 6502)
1	MS 1142	J. W. Bryson (Org. 6521)
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2	MS 1142	F. M. McCrory (Org. 6521)
1	MS 1142	D. W. Vehar (Org. 6521)
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