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LOS ALAMOS SCIENTIFIC LABORATORY OF THE UNIVERSITY OF CALIFORNIA • LOS ALAMOS NEW MEXICO

TABULATED VALUES OF
THERMAL DIFFUSION COLUMN SHAPE FACTORS
FOR THE LENNARD-JONES (12-6) POTENTIAL

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TABULATED VALUES OF
THERMAL DIFFUSION COLUMN SHAPE FACTORS
FOR THE LENNARD-JONES (12-6) POTENTIAL

by

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The theory of the hot-wire diffusion column as developed by Jones and Furry⁽¹⁾ involves the shape factors h , k_c , and k_d , which are functions of the transport properties of the gas. The shape factors have been evaluated numerically for a gas whose molecules interact according to the Lennard-Jones (12-6) potential, given by $V(r) = 4\epsilon[(\sigma/r)^{12} - (\sigma/r)^6]$.

The shape factors are given explicitly for this potential function by

$$h(kT_1/\epsilon, \theta_0, y_0) = -6! \left[\frac{\ln y_0}{F(\theta_0)} \right]^3 \int_1^{\theta_0} \frac{\theta}{\theta_1} \gamma(\theta) \frac{d\theta}{\theta} ,$$

$$k_c(kT_1/\epsilon, \theta_0, y_0) = 9! \left[\frac{\ln y_0}{F(\theta_0)} \right]^7 \int_1^{\theta_0} \frac{\Omega^{(2,2)*}}{\Omega^{(1,1)*}} \gamma^2(\theta) d\theta ,$$

$$k_d(kT_1/\epsilon, \theta_0, y_0) = \left[\frac{\ln y_0}{F(\theta_0)} \right] \int_1^{\theta_0} \frac{\theta}{y^2 \Omega^{(1,1)*} \Omega^{(2,2)*}} d\theta .$$

where $T_1^* = kT_1/\epsilon$, the reduced temperature at the cold wall of the column

$\theta_0 = T_0/T_1$, where T_0 is the temperature of the hot wire in °K and

T_1 is the temperature of the cold wall in °K

(1) Jones and Furry, Revs. Modern Phys. 18, 151 (1946); Phys. Rev. 69, 459 (1946).

$y_0 = r_1/r_0$, where r_1 is the outer radius of the column and r_0 is the radius of the hot wire

$F(\theta)_0$, γ , ϕ , and $\Omega^{(i,j)*}$ are functions of the intermolecular forces and the transport properties of the gas.

The shape factors are given in the table as functions of T_1^* , θ_0 , and y_0 . The range of T_1^* is 0.8 to 30. For each value of T_1^* , y_0 covers the range 1.10 to 100. Each y_0 corresponds to a number of θ_0 values which vary from 2.00 to 6.00 at intervals of 0.25.

A complete description of the deviation of the above shape factor formulas, along with a comparison with experimental results, is given by McInteer and Reisfeld⁽²⁾.

(2) McInteer and Reisfeld, J. Chem. Phys. (1960). To be published.

T_1^*	y_0	θ_0	h	k_c	k_d
0.80	1.10	2.00	1.448E-04	1.363E-09	1.324E-01
0.80	1.10	2.25	1.660E-04	1.066E-09	1.438E-01
0.80	1.10	2.50	1.799E-04	8.146E-10	1.550E-01
0.80	1.10	2.75	1.883E-04	6.180E-10	1.660E-01
0.80	1.10	3.00	1.927E-04	4.695E-10	1.767E-01
0.80	1.10	3.25	1.943E-04	3.587E-10	1.872E-01
0.80	1.10	3.50	1.939E-04	2.762E-10	1.974E-01
0.80	1.10	3.75	1.921E-04	2.145E-10	2.074E-01
0.80	1.10	4.00	1.893E-04	1.681E-10	2.172E-01
0.80	1.10	4.25	1.858E-04	1.329E-10	2.268E-01
0.80	1.10	4.50	1.820E-04	1.060E-10	2.362E-01
0.80	1.10	4.75	1.778E-04	8.522E-11	2.454E-01
0.80	1.10	5.00	1.735E-04	6.906E-11	2.544E-01
0.80	1.10	5.25	1.691E-04	5.637E-11	2.632E-01
0.80	1.10	5.50	1.647E-04	4.634E-11	2.719E-01
0.80	1.10	5.75	1.604E-04	3.835E-11	2.804E-01
0.80	1.10	6.00	1.561E-04	3.193E-11	2.888E-01

0.80	1.20	2.00	8.744E-04	9.526E-06	2.311E-01
0.80	1.20	2.25	1.006E-03	7.505E-08	2.507E-01
0.80	1.20	2.50	1.093E-03	5.768E-08	2.700E-01
0.80	1.20	2.75	1.147E-03	4.399E-08	2.889E-01
0.80	1.20	3.00	1.176E-03	3.357E-08	3.074E-01
0.80	1.20	3.25	1.188E-03	2.574E-08	3.255E-01
0.80	1.20	3.50	1.188E-03	1.989E-08	3.433E-01
0.80	1.20	3.75	1.178E-03	1.550E-08	3.606E-01
0.80	1.20	4.00	1.163E-03	1.216E-08	3.775E-01
0.80	1.20	4.25	1.143E-03	9.652E-09	3.941E-01
0.80	1.20	4.50	1.120E-03	7.715E-09	4.103E-01
0.80	1.20	4.75	1.096E-03	6.215E-09	4.262E-01
0.80	1.20	5.00	1.070E-03	5.046E-09	4.418E-01
0.80	1.20	5.25	1.044E-03	4.126E-09	4.571E-01
0.80	1.20	5.50	1.017E-03	3.398E-09	4.722E-01
0.80	1.20	5.75	9.913E-04	2.816E-09	4.869E-01
0.80	1.20	6.00	9.655E-04	2.348E-09	5.014E-01

0.80	1.40	2.00	4.241E-03	4.160E-06	3.646E-01
0.80	1.40	2.25	4.907E-03	3.320E-06	3.948E-01
0.80	1.40	2.50	5.361E-03	2.579E-06	4.246E-01
0.80	1.40	2.75	5.651E-03	1.985E-06	4.537E-01
0.80	1.40	3.00	5.819E-03	1.527E-06	4.824E-01
0.80	1.40	3.25	5.808E-03	1.179E-06	5.104E-01
0.80	1.40	3.50	5.912E-03	9.169E-07	5.379E-01
0.80	1.40	3.75	5.881E-03	7.182E-07	5.647E-01
0.80	1.40	4.00	5.816E-03	5.672E-07	5.910E-01
0.80	1.40	4.25	5.729E-03	4.515E-07	6.167E-01
0.80	1.40	4.50	5.626E-03	3.623E-07	6.419E-01
0.80	1.40	4.75	5.512E-03	2.930E-07	6.667E-01
0.80	1.40	5.00	5.391E-03	2.387E-07	6.909E-01
0.80	1.40	5.25	5.267E-03	1.958E-07	7.147E-01
0.80	1.40	5.50	5.141E-03	1.616E-07	7.381E-01
0.80	1.40	5.75	5.015E-03	1.343E-07	7.611E-01
0.80	1.40	6.00	4.890E-03	1.123E-07	7.837E-01

T_1^*	γ_0	θ_0	h	k_e	k_d
0.80	1.60	2.00	9.263E-03	2.793E-05	4.474E-01
0.80	1.60	2.25	1.078E-02	2.254E-05	4.836E-01
0.80	1.60	2.50	1.183E-02	1.768E-05	5.194E-01
0.80	1.60	2.75	1.252E-02	1.372E-05	5.545E-01
0.80	1.60	3.00	1.293E-02	1.063E-05	5.890E-01
0.80	1.60	3.25	1.315E-02	8.255E-06	6.228E-01
0.80	1.60	3.50	1.321E-02	6.452E-06	6.559E-01
0.80	1.60	3.75	1.317E-02	5.078E-06	6.884E-01
0.80	1.60	4.00	1.305E-02	4.027E-06	7.201E-01
0.80	1.60	4.25	1.288E-02	3.218E-06	7.513E-01
0.80	1.60	4.50	1.267E-02	2.592E-06	7.818E-01
0.80	1.60	4.75	1.243E-02	2.102E-06	8.117E-01
0.80	1.60	5.00	1.218E-02	1.718E-06	8.411E-01
0.80	1.60	5.25	1.191E-02	1.413E-06	8.699E-01
0.80	1.60	5.50	1.164E-02	1.169E-06	8.983E-01
0.80	1.60	5.75	1.137E-02	9.738E-07	9.261E-01
0.80	1.60	6.00	1.110E-02	8.157E-07	9.535E-01
0.80	1.80	2.00	1.494E-02	9.161E-05	5.014E-01
0.80	1.80	2.25	1.747E-02	7.467E-05	5.412E-01
0.80	1.80	2.50	1.926E-02	5.906E-05	5.805E-01
0.80	1.80	2.75	2.045E-02	4.615E-05	6.192E-01
0.80	1.80	3.00	2.119E-02	3.598E-05	6.572E-01
0.80	1.80	3.25	2.159E-02	2.810E-05	6.945E-01
0.80	1.80	3.50	2.175E-02	2.207E-05	7.311E-01
0.80	1.80	3.75	2.173E-02	1.744E-05	7.669E-01
0.80	1.80	4.00	2.157E-02	1.389E-05	8.020E-01
0.80	1.80	4.25	2.132E-02	1.113E-05	8.364E-01
0.80	1.80	4.50	2.100E-02	8.994E-06	8.702E-01
0.80	1.80	4.75	2.064E-02	7.317E-06	9.033E-01
0.80	1.80	5.00	2.024E-02	5.993E-06	9.358E-01
0.80	1.80	5.25	1.982E-02	4.941E-06	9.678E-01
0.80	1.80	5.50	1.939E-02	4.099E-06	9.992E-01
0.80	1.80	5.75	1.895E-02	3.421E-06	1.030E 00
0.80	1.80	6.00	1.851E-02	2.871E-06	1.060E 00
0.80	2.00	2.00	2.068E-02	2.084E-04	5.381E-01
0.80	2.00	2.25	2.428E-02	1.714E-04	5.800E-01
0.80	2.00	2.50	2.685E-02	1.366E-04	6.215E-01
0.80	2.00	2.75	2.860E-02	1.074E-04	6.623E-01
0.80	2.00	3.00	2.972E-02	8.421E-05	7.024E-01
0.80	2.00	3.25	3.036E-02	6.610E-05	7.419E-01
0.80	2.00	3.50	3.065E-02	5.213E-05	7.806E-01
0.80	2.00	3.75	3.067E-02	4.136E-05	8.185E-01
0.80	2.00	4.00	3.050E-02	3.304E-05	8.557E-01
0.80	2.00	4.25	3.019E-02	2.657E-05	8.922E-01
0.80	2.00	4.50	2.978E-02	2.153E-05	9.280E-01
0.80	2.00	4.75	2.929E-02	1.756E-05	9.631E-01
0.80	2.00	5.00	2.876E-02	1.441E-05	9.976E-01
0.80	2.00	5.25	2.819E-02	1.191E-05	1.031E 00
0.80	2.00	5.50	2.760E-02	9.898E-06	1.065E 00
0.80	2.00	5.75	2.701E-02	8.275E-06	1.098E 00
0.80	2.00	6.00	2.640E-02	6.957E-06	1.130E 00

T_1^*	y_0	θ_0	h	k_c	k_d
0.80	2.20	2.00	2.614E-02	3.820E-04	5.638E-01
0.80	2.20	2.25	3.082E-02	3.168E-04	6.069E-01
0.80	2.20	2.50	3.420E-02	2.541E-04	6.496E-01
0.80	2.20	2.75	3.653E-02	2.011E-04	6.917E-01
0.80	2.20	3.00	3.806E-02	1.584E-04	7.332E-01
0.80	2.20	3.25	3.896E-02	1.249E-04	7.739E-01
0.80	2.20	3.50	3.940E-02	9.888E-05	8.139E-01
0.80	2.20	3.75	3.949E-02	7.872E-05	8.532E-01
0.80	2.20	4.00	3.933E-02	6.307E-05	8.917E-01
0.80	2.20	4.25	3.898E-02	5.088E-05	9.295E-01
0.80	2.20	4.50	3.850E-02	4.132E-05	9.665E-01
0.80	2.20	4.75	3.791E-02	3.377E-05	1.003E 00
0.80	2.20	5.00	3.726E-02	2.779E-05	1.039E 00
0.80	2.20	5.25	3.655E-02	2.300E-05	1.074E 00
0.80	2.20	5.50	3.582E-02	1.915E-05	1.108E 00
0.80	2.20	5.75	3.507E-02	1.604E-05	1.142E 00
0.80	2.20	6.00	3.432E-02	1.351E-05	1.176E 00
0.80	2.40	2.00	3.120E-02	6.091E-04	5.821E-01
0.80	2.40	2.25	3.692E-02	5.088E-04	6.259E-01
0.80	2.40	2.50	4.109E-02	4.108E-04	6.694E-01
0.80	2.40	2.75	4.401E-02	3.268E-04	7.122E-01
0.80	2.40	3.00	4.595E-02	2.586E-04	7.544E-01
0.80	2.40	3.25	4.713E-02	2.047E-04	7.960E-01
0.80	2.40	3.50	4.774E-02	1.627E-04	8.368E-01
0.80	2.40	3.75	4.793E-02	1.299E-04	8.768E-01
0.80	2.40	4.00	4.780E-02	1.044E-04	9.161E-01
0.80	2.40	4.25	4.743E-02	8.442E-05	9.547E-01
0.80	2.40	4.50	4.689E-02	6.871E-05	9.926E-01
0.80	2.40	4.75	4.623E-02	5.629E-05	1.030E 00
0.80	2.40	5.00	4.547E-02	4.640E-05	1.066E 00
0.80	2.40	5.25	4.465E-02	3.848E-05	1.102E 00
0.80	2.40	5.50	4.379E-02	3.209E-05	1.138E 00
0.80	2.40	5.75	4.291E-02	2.692E-05	1.172E 00
0.80	2.40	6.00	4.201E-02	2.270E-05	1.207E 00
0.80	2.60	2.00	3.581E-02	8.825E-04	5.955E-01
0.80	2.60	2.25	4.251E-02	7.423E-04	6.396E-01
0.80	2.60	2.50	4.745E-02	6.028E-04	6.834E-01
0.80	2.60	2.75	5.095E-02	4.818E-04	7.267E-01
0.80	2.60	3.00	5.330E-02	3.830E-04	7.693E-01
0.80	2.60	3.25	5.477E-02	3.043E-04	8.113E-01
0.80	2.60	3.50	5.557E-02	2.426E-04	8.526E-01
0.80	2.60	3.75	5.586E-02	1.943E-04	8.931E-01
0.80	2.60	4.00	5.578E-02	1.565E-04	9.329E-01
0.80	2.60	4.25	5.542E-02	1.269E-04	9.719E-01
0.80	2.60	4.50	5.484E-02	1.035E-04	1.010E 00
0.80	2.60	4.75	5.411E-02	8.495E-05	1.048E 00
0.80	2.60	5.00	5.327E-02	7.015E-05	1.085E 00
0.80	2.60	5.25	5.236E-02	5.827E-05	1.121E 00
0.80	2.60	5.50	5.139E-02	4.868E-05	1.157E 00
0.80	2.60	5.75	5.038E-02	4.088E-05	1.193E 00
0.80	2.60	6.00	4.936E-02	3.452E-05	1.227E 00

T_1^*	γ_0	θ_0	h	k_c	k_d
0.80	2.80	2.00	3.996F-02	1.194F-03	6.054F-01
0.80	2.80	2.25	4.760F-02	1.011F-03	6.496F-01
0.80	2.80	2.50	5.327F-02	8.250F-04	6.935F-01
0.80	2.80	2.75	5.732F-02	6.625F-04	7.369F-01
0.80	2.80	3.00	6.008F-02	5.287F-04	7.797F-01
0.80	2.80	3.25	6.184F-02	4.215F-04	8.219F-01
0.80	2.80	3.50	6.283F-02	3.371F-04	8.634F-01
0.80	2.80	3.75	6.325F-02	2.707E-04	9.042E-01
0.80	2.80	4.00	6.323F-02	2.186F-04	9.442F-01
0.80	2.80	4.25	6.289F-02	1.776F-04	9.836E-01
0.80	2.80	4.50	6.229F-02	1.451F-04	1.022F 00
0.80	2.80	4.75	6.152F-02	1.193F-04	1.060F 00
0.80	2.80	5.00	6.061F-02	9.871F-05	1.098F 00
0.80	2.80	5.25	5.961F-02	8.212E-05	1.134F 00
0.80	2.80	5.50	5.854F-02	6.870E-05	1.170F 00
0.80	2.80	5.75	5.744F-02	5.778E-05	1.206F 00
0.80	2.80	6.00	5.630E-02	4.884E-05	1.241F 00
0.80	3.00	2.00	4.369E-02	1.534E-03	6.127E-01
0.80	3.00	2.25	5.219E-02	1.306E-03	6.568E-01
0.80	3.00	2.50	5.855E-02	1.072E-03	7.007F-01
0.80	3.00	2.75	6.314E-02	8.645F-04	7.441E-01
0.80	3.00	3.00	6.630E-02	6.924E-04	7.870E-01
0.80	3.00	3.25	6.835F-02	5.539E-04	8.293F-01
0.80	3.00	3.50	6.954F-02	4.441E-04	8.708F-01
0.80	3.00	3.75	7.009F-02	3.576F-04	9.117F-01
0.80	3.00	4.00	7.015F-02	2.894F-04	9.518F-01
0.80	3.00	4.25	6.983E-02	2.356F-04	9.913F-01
0.80	3.00	4.50	6.923F-02	1.929F-04	1.030F 00
0.80	3.00	4.75	6.843F-02	1.589E-04	1.068F 00
0.80	3.00	5.00	6.747E-02	1.316E-04	1.106F 00
0.80	3.00	5.25	6.640F-02	1.097F-04	1.143F 00
0.80	3.00	5.50	6.525F-02	9.186F-05	1.179F 00
0.80	3.00	5.75	6.405F-02	7.735F-05	1.215F 00
0.80	3.00	6.00	6.282E-02	6.545F-05	1.250F 00
0.80	3.50	2.00	5.140F-02	2.465F-03	6.240F-01
0.80	3.50	2.25	6.180F-02	2.127F-03	6.676F-01
0.80	3.50	2.50	6.972F-02	1.765F-03	7.110F-01
0.80	3.50	2.75	7.552F-02	1.437F-03	7.540F-01
0.80	3.50	3.00	7.963F-02	1.161F-03	7.966F-01
0.80	3.50	3.25	8.238E-02	9.352F-04	8.386F-01
0.80	3.50	3.50	8.408F-02	7.546F-04	8.799F-01
0.80	3.50	3.75	8.498F-02	6.110F-04	9.206F-01
0.80	3.50	4.00	8.525F-02	4.971F-04	9.606F-01
0.80	3.50	4.25	8.505F-02	4.065F-04	10.000E-01
0.80	3.50	4.50	8.449F-02	3.342F-04	1.039E 00
0.80	3.50	4.75	8.366F-02	2.763F-04	1.077F 00
0.80	3.50	5.00	8.262F-02	2.297F-04	1.114F 00
0.80	3.50	5.25	8.144F-02	1.919F-04	1.151F 00
0.80	3.50	5.50	8.014F-02	1.612F-04	1.187F 00
0.80	3.50	5.75	7.877F-02	1.361F-04	1.223F 00
0.80	3.50	6.00	7.735E-02	1.155F-04	1.258F 00

T_1^*	y_0	θ_0	h	k_e	k_d
0.80	4.00	2.00	5.725E-02	3.442E-03	6.294F-01
0.80	4.00	2.25	6.922E-02	3.004E-03	6.722F-01
0.80	4.00	2.50	7.846E-02	2.517E-03	7.149F-01
0.80	4.00	2.75	8.535E-02	2.066E-03	7.572E-01
0.80	4.00	3.00	9.030E-02	1.681F-03	7.992F-01
0.80	4.00	3.25	9.370F-02	1.363F-03	8.407F-01
0.80	4.00	3.50	9.590F-02	1.106F-03	8.815F-01
0.80	4.00	3.75	9.715F-02	8.996F-04	9.218F-01
0.80	4.00	4.00	9.767F-02	7.350F-04	9.614F-01
0.80	4.00	4.25	9.763E-02	6.034E-04	1.000E 00
0.80	4.00	4.50	9.716F-02	4.979F-04	1.039F 00
0.80	4.00	4.75	9.635E-02	4.129E-04	1.077E 00
0.80	4.00	5.00	9.529E-02	3.443E-04	1.114F 00
0.80	4.00	5.25	9.405F-02	2.885F-04	1.150E 00
0.80	4.00	5.50	9.267F-02	2.430E-04	1.186E 00
0.80	4.00	5.75	9.118F-02	2.057F-04	1.222E 00
0.80	4.00	6.00	8.963E-02	1.749F-04	1.257F 00

0.80	4.50	2.00	6.171F-02	4.408F-03	6.318F-01
0.80	4.50	2.25	7.500F-02	3.887F-03	6.736F-01
0.80	4.50	2.50	8.537F-02	3.284F-03	7.155F-01
0.80	4.50	2.75	9.319F-02	2.716F-03	7.572F-01
0.80	4.50	3.00	9.891F-02	2.223F-03	7.985F-01
0.80	4.50	3.25	1.029E-01	1.812E-03	8.393F-01
0.80	4.50	3.50	1.056F-01	1.478E-03	8.796F-01
0.80	4.50	3.75	1.072F-01	1.207F-03	9.193F-01
0.80	4.50	4.00	1.080F-01	9.903F-04	9.584F-01
0.80	4.50	4.25	1.081F-01	8.158F-04	9.969F-01
0.80	4.50	4.50	1.077F-01	6.752F-04	1.035F 00
0.80	4.50	4.75	1.070F-01	5.616F-04	1.072F 00
0.80	4.50	5.00	1.059F-01	4.695F-04	1.109F 00
0.80	4.50	5.25	1.047F-01	3.944F-04	1.145F 00
0.80	4.50	5.50	1.033F-01	3.329F-04	1.181F 00
0.80	4.50	5.75	1.017F-01	2.823F-04	1.216F 00
0.80	4.50	6.00	1.001F-01	2.405F-04	1.250F 00

0.80	5.00	2.00	6.516F-02	5.336F-03	6.325F-01
0.80	5.00	2.25	7.954F-02	4.747F-03	6.735F-01
0.80	5.00	2.50	9.087F-02	4.041E-03	7.145F-01
0.80	5.00	2.75	9.952F-02	3.364F-03	7.554F-01
0.80	5.00	3.00	1.059F-01	2.769F-03	7.960F-01
0.80	5.00	3.25	1.105F-01	2.268F-03	8.362F-01
0.80	5.00	3.50	1.136F-01	1.857F-03	8.759F-01
0.80	5.00	3.75	1.155F-01	1.523F-03	9.150F-01
0.80	5.00	4.00	1.166F-01	1.254F-03	9.535F-01
0.80	5.00	4.25	1.169F-01	1.036E-03	9.915F-01
0.80	5.00	4.50	1.166F-01	8.599F-04	1.029F 00
0.80	5.00	4.75	1.160F-01	7.171F-04	1.066F 00
0.80	5.00	5.00	1.150F-01	6.008F-04	1.102F 00
0.80	5.00	5.25	1.137F-01	5.058F-04	1.138F 00
0.80	5.00	5.50	1.123F-01	4.278F-04	1.173F 00
0.80	5.00	5.75	1.107F-01	3.634F-04	1.208F 00
0.80	5.00	6.00	1.090F-01	3.101F-04	1.242F 00

T_1^*	γ_0	θ_0	h	k_c	k_d
0.80	6.00	2.00	6.993E-02	7.027E-03	6.314E-01
0.80	6.00	2.25	8.602E-02	6.348E-03	6.707E-01
0.80	6.00	2.50	9.893E-02	5.475E-03	7.103E-01
0.80	6.00	2.75	1.089E-01	4.608E-03	7.498E-01
0.80	6.00	3.00	1.165E-01	3.829E-03	7.891E-01
0.80	6.00	3.25	1.220E-01	3.163E-03	8.280E-01
0.80	6.00	3.50	1.259E-01	2.609E-03	8.665E-01
0.80	6.00	3.75	1.285E-01	2.155E-03	9.045E-01
0.80	6.00	4.00	1.300E-01	1.784E-03	9.420E-01
0.80	6.00	4.25	1.307E-01	1.482E-03	9.789E-01
0.80	6.00	4.50	1.307E-01	1.236E-03	1.015E 00
0.80	6.00	4.75	1.303E-01	1.035E-03	1.051E 00
0.80	6.00	5.00	1.294E-01	8.706E-04	1.087E 00
0.80	6.00	5.25	1.282E-01	7.356E-04	1.122E 00
0.80	6.00	5.50	1.268E-01	6.242E-04	1.156E 00
0.80	6.00	5.75	1.252E-01	5.320E-04	1.190E 00
0.80	6.00	6.00	1.235E-01	4.553E-04	1.223E 00
0.80	8.00	2.00	7.475E-02	9.738E-03	6.261E-01
0.80	8.00	2.25	9.306E-02	9.009E-03	6.629E-01
0.80	8.00	2.50	1.081E-01	7.928E-03	7.000E-01
0.80	8.00	2.75	1.201E-01	6.787E-03	7.372E-01
0.80	8.00	3.00	1.294E-01	5.724E-03	7.742E-01
0.80	8.00	3.25	1.364E-01	4.791E-03	8.110E-01
0.80	8.00	3.50	1.415E-01	3.998E-03	8.475E-01
0.80	8.00	3.75	1.452E-01	3.334E-03	8.836E-01
0.80	8.00	4.00	1.475E-01	2.785E-03	9.193E-01
0.80	8.00	4.25	1.489E-01	2.333E-03	9.545E-01
0.80	8.00	4.50	1.495E-01	1.960E-03	9.892E-01
0.80	8.00	4.75	1.495E-01	1.653E-03	1.024E 00
0.80	8.00	5.00	1.490E-01	1.399E-03	1.057E 00
0.80	8.00	5.25	1.480E-01	1.189E-03	1.091E 00
0.80	8.00	5.50	1.468E-01	1.014E-03	1.124E 00
0.80	8.00	5.75	1.453E-01	8.685E-04	1.156E 00
0.80	8.00	6.00	1.435E-01	7.466E-04	1.188E 00
0.80	10.00	2.00	7.661E-02	1.174E-02	6.206E-01
0.80	10.00	2.25	9.626E-02	1.106E-02	6.554E-01
0.80	10.00	2.50	1.127E-01	9.877E-03	6.907E-01
0.80	10.00	2.75	1.260E-01	8.566E-03	7.261E-01
0.80	10.00	3.00	1.365E-01	7.306E-03	7.614E-01
0.80	10.00	3.25	1.446E-01	6.175E-03	7.966E-01
0.80	10.00	3.50	1.508E-01	5.197E-03	8.316E-01
0.80	10.00	3.75	1.552E-01	4.368E-03	8.662E-01
0.80	10.00	4.00	1.583E-01	3.674E-03	9.004E-01
0.80	10.00	4.25	1.603E-01	3.096E-03	9.343E-01
0.80	10.00	4.50	1.614E-01	2.616E-03	9.677E-01
0.80	10.00	4.75	1.618E-01	2.217E-03	1.001E 00
0.80	10.00	5.00	1.616E-01	1.886E-03	1.033E 00
0.80	10.00	5.25	1.609E-01	1.609E-03	1.066E 00
0.80	10.00	5.50	1.598E-01	1.378E-03	1.097E 00
0.80	10.00	5.75	1.585E-01	1.185E-03	1.129E 00
0.80	10.00	6.00	1.569E-01	1.022E-03	1.160E 00

T_1^*	γ_0	θ_0	h	k_c	k_d
0.80	20.00	2.00	7.579E-02	1.672E-02	6.024E-01
0.80	20.00	2.25	9.781E-02	1.658E-02	6.320E-01
0.80	20.00	2.50	1.171E-01	1.548E-02	6.622E-01
0.80	20.00	2.75	1.335E-01	1.394E-02	6.927E-01
0.80	20.00	3.00	1.471E-01	1.228E-02	7.233E-01
0.80	20.00	3.25	1.582E-01	1.068E-02	7.540E-01
0.80	20.00	3.50	1.670E-01	9.223E-03	7.846E-01
0.80	20.00	3.75	1.739E-01	7.929E-03	8.150E-01
0.80	20.00	4.00	1.792E-01	6.805E-03	8.452E-01
0.80	20.00	4.25	1.832E-01	5.840E-03	8.752E-01
0.80	20.00	4.50	1.860E-01	5.016E-03	9.049E-01
0.80	20.00	4.75	1.878E-01	4.315E-03	9.343E-01
0.80	20.00	5.00	1.889E-01	3.721E-03	9.634E-01
0.80	20.00	5.25	1.892E-01	3.216E-03	9.922E-01
0.80	20.00	5.50	1.891E-01	2.786E-03	1.021E 00
0.80	20.00	5.75	1.885E-01	2.421E-03	1.049E 00
0.80	20.00	6.00	1.876E-01	2.110E-03	1.077E 00
0.80	40.00	2.00	7.023E-02	1.969E-02	5.871E-01
0.80	40.00	2.25	9.282E-02	2.043E-02	6.126E-01
0.80	40.00	2.50	1.134E-01	1.983E-02	6.388E-01
0.80	40.00	2.75	1.316E-01	1.846E-02	6.655E-01
0.80	40.00	3.00	1.472E-01	1.675E-02	6.924E-01
0.80	40.00	3.25	1.604E-01	1.495E-02	7.195E-01
0.80	40.00	3.50	1.714E-01	1.320E-02	7.466E-01
0.80	40.00	3.75	1.803E-01	1.158E-02	7.737E-01
0.80	40.00	4.00	1.876E-01	1.012E-02	8.006E-01
0.80	40.00	4.25	1.933E-01	8.831E-03	8.274E-01
0.80	40.00	4.50	1.978E-01	7.699E-03	8.541E-01
0.80	40.00	4.75	2.011E-01	6.715E-03	8.805E-01
0.80	40.00	5.00	2.036E-01	5.862E-03	9.067E-01
0.80	40.00	5.25	2.052E-01	5.125E-03	9.327E-01
0.80	40.00	5.50	2.062E-01	4.488E-03	9.585E-01
0.80	40.00	5.75	2.065E-01	3.938E-03	9.840E-01
0.80	40.00	6.00	2.065E-01	3.463E-03	1.009E 00
0.80	60.00	2.00	6.634E-02	2.068E-02	5.798E-01
0.80	60.00	2.25	8.878E-02	2.197E-02	6.034E-01
0.80	60.00	2.50	1.097E-01	2.176E-02	6.277E-01
0.80	60.00	2.75	1.284E-01	2.062E-02	6.525E-01
0.80	60.00	3.00	1.448E-01	1.901E-02	6.777E-01
0.80	60.00	3.25	1.589E-01	1.720E-02	7.030E-01
0.80	60.00	3.50	1.709E-01	1.537E-02	7.285E-01
0.80	60.00	3.75	1.808E-01	1.363E-02	7.539E-01
0.80	60.00	4.00	1.891E-01	1.203E-02	7.793E-01
0.80	60.00	4.25	1.957E-01	1.059E-02	8.045E-01
0.80	60.00	4.50	2.011E-01	9.306E-03	8.297E-01
0.80	60.00	4.75	2.053E-01	8.176E-03	8.547E-01
0.80	60.00	5.00	2.085E-01	7.186E-03	8.795E-01
0.80	60.00	5.25	2.108E-01	6.321E-03	9.041E-01
0.80	60.00	5.50	2.124E-01	5.568E-03	9.285E-01
0.80	60.00	5.75	2.134E-01	4.912E-03	9.527E-01
0.80	60.00	6.00	2.138E-01	4.341E-03	9.767E-01

T_1^*	γ_0	θ_0	h	k_e	k_d
0.80	100.00	2.00	6.143E-02	2.135E-02	5.721E-01
0.80	100.00	2.25	8.339E-02	2.331E-02	5.936E-01
0.80	100.00	2.50	1.043E-01	2.364E-02	6.159E-01
0.80	100.00	2.75	1.234E-01	2.287E-02	6.388E-01
0.80	100.00	3.00	1.405E-01	2.146E-02	6.620E-01
0.80	100.00	3.25	1.555E-01	1.972E-02	6.855E-01
0.80	100.00	3.50	1.684E-01	1.788E-02	7.091E-01
0.80	100.00	3.75	1.794E-01	1.606E-02	7.327E-01
0.80	100.00	4.00	1.887E-01	1.434E-02	7.564E-01
0.80	100.00	4.25	1.965E-01	1.275E-02	7.800E-01
0.80	100.00	4.50	2.028E-01	1.132E-02	8.035E-01
0.80	100.00	4.75	2.079E-01	1.003E-02	8.269E-01
0.80	100.00	5.00	2.121E-01	8.884E-03	8.501E-01
0.80	100.00	5.25	2.152E-01	7.872E-03	8.732E-01
0.80	100.00	5.50	2.177E-01	6.981E-03	8.962E-01
0.80	100.00	5.75	2.194E-01	6.198E-03	9.190E-01
0.80	100.00	6.00	2.205E-01	5.509E-03	9.416E-01
1.00	1.10	2.00	1.482E-04	1.447E-09	1.297E-01
1.00	1.10	2.25	1.710E-04	1.151E-09	1.402E-01
1.00	1.10	2.50	1.864E-04	8.939E-10	1.504E-01
1.00	1.10	2.75	1.963E-04	6.884E-10	1.604E-01
1.00	1.10	3.00	2.020E-04	5.303E-10	1.701E-01
1.00	1.10	3.25	2.047E-04	4.104E-10	1.796E-01
1.00	1.10	3.50	2.052E-04	3.197E-10	1.888E-01
1.00	1.10	3.75	2.041E-04	2.510E-10	1.979E-01
1.00	1.10	4.00	2.019E-04	1.986E-10	2.067E-01
1.00	1.10	4.25	1.989E-04	1.584E-10	2.153E-01
1.00	1.10	4.50	1.953E-04	1.273E-10	2.238E-01
1.00	1.10	4.75	1.914E-04	1.031E-10	2.321E-01
1.00	1.10	5.00	1.872E-04	8.410E-11	2.402E-01
1.00	1.10	5.25	1.829E-04	6.908E-11	2.481E-01
1.00	1.10	5.50	1.786E-04	5.711E-11	2.560E-01
1.00	1.10	5.75	1.742E-04	4.750E-11	2.636E-01
1.00	1.10	6.00	1.698E-04	3.972E-11	2.712E-01
1.00	1.20	2.00	8.944E-04	1.010E-07	2.265E-01
1.00	1.20	2.25	1.035E-03	8.094E-08	2.445E-01
1.00	1.20	2.50	1.132E-03	6.321E-08	2.621E-01
1.00	1.20	2.75	1.195E-03	4.893E-08	2.793E-01
1.00	1.20	3.00	1.232E-03	3.786E-08	2.961E-01
1.00	1.20	3.25	1.251E-03	2.941E-08	3.125E-01
1.00	1.20	3.50	1.256E-03	2.299E-08	3.285E-01
1.00	1.20	3.75	1.251E-03	1.810E-08	3.441E-01
1.00	1.20	4.00	1.239E-03	1.436E-08	3.594E-01
1.00	1.20	4.25	1.222E-03	1.149E-08	3.743E-01
1.00	1.20	4.50	1.201E-03	9.253E-09	3.889E-01
1.00	1.20	4.75	1.178E-03	7.510E-09	4.032E-01
1.00	1.20	5.00	1.154E-03	6.138E-09	4.173E-01
1.00	1.20	5.25	1.128E-03	5.050E-09	4.311E-01
1.00	1.20	5.50	1.102E-03	4.182E-09	4.446E-01
1.00	1.20	5.75	1.076E-03	3.484E-09	4.579E-01
1.00	1.20	6.00	1.050E-03	2.918E-09	4.710E-01

T_1^*	γ_0	θ_0	h	k_e	k_d
1.00	1.40	2.00	4.333E-03	4.402E-06	3.576E-01
1.00	1.40	2.25	5.047E-03	3.573E-06	3.853E-01
1.00	1.40	2.50	5.546E-03	2.820E-06	4.125E-01
1.00	1.40	2.75	5.878E-03	2.203E-06	4.391E-01
1.00	1.40	3.00	6.085E-03	1.718E-06	4.651E-01
1.00	1.40	3.25	6.198E-03	1.344E-06	4.904E-01
1.00	1.40	3.50	6.242E-03	1.057E-06	5.152E-01
1.00	1.40	3.75	6.234E-03	8.369E-07	5.394E-01
1.00	1.40	4.00	6.188E-03	6.673E-07	5.631E-01
1.00	1.40	4.25	6.116E-03	5.359E-07	5.863E-01
1.00	1.40	4.50	6.025E-03	4.335E-07	6.090E-01
1.00	1.40	4.75	5.920E-03	3.532E-07	6.312E-01
1.00	1.40	5.00	5.806E-03	2.896E-07	6.531E-01
1.00	1.40	5.25	5.686E-03	2.391E-07	6.745E-01
1.00	1.40	5.50	5.562E-03	1.986E-07	6.956E-01
1.00	1.40	5.75	5.437E-03	1.658E-07	7.163E-01
1.00	1.40	6.00	5.311E-03	1.393E-07	7.367E-01
1.00	1.60	2.00	9.458E-03	2.951E-05	4.391E-01
1.00	1.60	2.25	1.107E-02	2.421E-05	4.723E-01
1.00	1.60	2.50	1.222E-02	1.929E-05	5.050E-01
1.00	1.60	2.75	1.300E-02	1.519E-05	5.370E-01
1.00	1.60	3.00	1.351E-02	1.193E-05	5.683E-01
1.00	1.60	3.25	1.380E-02	9.386E-06	5.989E-01
1.00	1.60	3.50	1.393E-02	7.422E-06	6.288E-01
1.00	1.60	3.75	1.394E-02	5.904E-06	6.580E-01
1.00	1.60	4.00	1.387E-02	4.728E-06	6.866E-01
1.00	1.60	4.25	1.373E-02	3.812E-06	7.147E-01
1.00	1.60	4.50	1.355E-02	3.094E-06	7.422E-01
1.00	1.60	4.75	1.334E-02	2.529E-06	7.691E-01
1.00	1.60	5.00	1.310E-02	2.080E-06	7.956E-01
1.00	1.60	5.25	1.284E-02	1.722E-06	8.215E-01
1.00	1.60	5.50	1.258E-02	1.434E-06	8.470E-01
1.00	1.60	5.75	1.231E-02	1.200E-06	8.721E-01
1.00	1.60	6.00	1.204E-02	1.010E-06	8.969E-01
1.00	1.80	2.00	1.525E-02	9.666E-05	4.924E-01
1.00	1.80	2.25	1.794E-02	8.009E-05	5.289E-01
1.00	1.80	2.50	1.988E-02	6.433E-05	5.648E-01
1.00	1.80	2.75	2.122E-02	5.100E-05	6.001E-01
1.00	1.80	3.00	2.210E-02	4.030E-05	6.346E-01
1.00	1.80	3.25	2.264E-02	3.189E-05	6.683E-01
1.00	1.80	3.50	2.291E-02	2.534E-05	7.013E-01
1.00	1.80	3.75	2.298E-02	2.024E-05	7.336E-01
1.00	1.80	4.00	2.290E-02	1.627E-05	7.653E-01
1.00	1.80	4.25	2.271E-02	1.316E-05	7.962E-01
1.00	1.80	4.50	2.244E-02	1.072E-05	8.266E-01
1.00	1.80	4.75	2.211E-02	8.785E-06	8.565E-01
1.00	1.80	5.00	2.174E-02	7.245E-06	8.858E-01
1.00	1.80	5.25	2.135E-02	6.011E-06	9.145E-01
1.00	1.80	5.50	2.093E-02	5.017E-06	9.428E-01
1.00	1.80	5.75	2.050E-02	4.209E-06	9.706E-01
1.00	1.80	6.00	2.007E-02	3.550E-06	9.980E-01

T_1^*	γ_0	θ_0	h	k_c	k_d
1.00	2.00	2.00	2.108E-02	2.196E-04	5.287E-01
1.00	2.00	2.25	2.490E-02	1.836E-04	5.671E-01
1.00	2.00	2.50	2.769E-02	1.485E-04	6.050E-01
1.00	2.00	2.75	2.966E-02	1.185E-04	6.422E-01
1.00	2.00	3.00	3.097E-02	9.416E-05	6.787E-01
1.00	2.00	3.25	3.179E-02	7.487E-05	7.143E-01
1.00	2.00	3.50	3.224E-02	5.974E-05	7.493E-01
1.00	2.00	3.75	3.240E-02	4.790E-05	7.835E-01
1.00	2.00	4.00	3.234E-02	3.864E-05	8.170E-01
1.00	2.00	4.25	3.212E-02	3.136E-05	8.498E-01
1.00	2.00	4.50	3.178E-02	2.561E-05	8.821E-01
1.00	2.00	4.75	3.136E-02	2.104E-05	9.137E-01
1.00	2.00	5.00	3.087E-02	1.740E-05	9.448E-01
1.00	2.00	5.25	3.034E-02	1.447E-05	9.753E-01
1.00	2.00	5.50	2.977E-02	1.210E-05	1.005E 00
1.00	2.00	5.75	2.919E-02	1.017E-05	1.035E 00
1.00	2.00	6.00	2.859E-02	8.590E-06	1.064E 00
1.00	2.20	2.00	2.663E-02	4.021E-04	5.541E-01
1.00	2.20	2.25	3.159E-02	3.388E-04	5.937E-01
1.00	2.20	2.50	3.524E-02	2.760E-04	6.328E-01
1.00	2.20	2.75	3.785E-02	2.215E-04	6.712E-01
1.00	2.20	3.00	3.962E-02	1.768E-04	7.088E-01
1.00	2.20	3.25	4.076E-02	1.412E-04	7.456E-01
1.00	2.20	3.50	4.140E-02	1.131E-04	7.818E-01
1.00	2.20	3.75	4.167E-02	9.102E-05	8.172E-01
1.00	2.20	4.00	4.166E-02	7.364E-05	8.518E-01
1.00	2.20	4.25	4.143E-02	5.993E-05	8.859E-01
1.00	2.20	4.50	4.105E-02	4.907E-05	9.192E-01
1.00	2.20	4.75	4.055E-02	4.042E-05	9.520E-01
1.00	2.20	5.00	3.995E-02	3.349E-05	9.842E-01
1.00	2.20	5.25	3.930E-02	2.790E-05	1.016E 00
1.00	2.20	5.50	3.861E-02	2.337E-05	1.047E 00
1.00	2.20	5.75	3.788E-02	1.968E-05	1.078E 00
1.00	2.20	6.00	3.714E-02	1.665E-05	1.108E 00
1.00	2.40	2.00	3.177E-02	6.405E-04	5.724E-01
1.00	2.40	2.25	3.781E-02	5.436E-04	6.126E-01
1.00	2.40	2.50	4.232E-02	4.455E-04	6.523E-01
1.00	2.40	2.75	4.556E-02	3.594E-04	6.914E-01
1.00	2.40	3.00	4.780E-02	2.883E-04	7.297E-01
1.00	2.40	3.25	4.926E-02	2.311E-04	7.673E-01
1.00	2.40	3.50	5.013E-02	1.858E-04	8.042E-01
1.00	2.40	3.75	5.053E-02	1.500E-04	8.403E-01
1.00	2.40	4.00	5.059E-02	1.217E-04	8.757E-01
1.00	2.40	4.25	5.037E-02	9.930E-05	9.104E-01
1.00	2.40	4.50	4.996E-02	8.149E-05	9.445E-01
1.00	2.40	4.75	4.940E-02	6.727E-05	9.780E-01
1.00	2.40	5.00	4.873E-02	5.584E-05	1.011E 00
1.00	2.40	5.25	4.797E-02	4.661E-05	1.043E 00
1.00	2.40	5.50	4.716E-02	3.911E-05	1.075E 00
1.00	2.40	5.75	4.631E-02	3.299E-05	1.106E 00
1.00	2.40	6.00	4.543E-02	2.795E-05	1.137E 00

T_1^*	y_0	θ_0	h	k_c	k_d
1.00	2.60	2.00	3.644E-02	9.272E-04	5.858E-01
1.00	2.60	2.25	4.351E-02	7.921E-04	6.263E-01
1.00	2.60	2.50	4.883E-02	6.529E-04	6.663E-01
1.00	2.60	2.75	5.270E-02	5.293E-04	7.058E-01
1.00	2.60	3.00	5.540E-02	4.263E-04	7.445E-01
1.00	2.60	3.25	5.720E-02	3.431E-04	7.825E-01
1.00	2.60	3.50	5.830E-02	2.767E-04	8.197E-01
1.00	2.60	3.75	5.885E-02	2.240E-04	8.563E-01
1.00	2.60	4.00	5.899E-02	1.822E-04	8.921E-01
1.00	2.60	4.25	5.881E-02	1.490E-04	9.273E-01
1.00	2.60	4.50	5.838E-02	1.226E-04	9.618E-01
1.00	2.60	4.75	5.778E-02	1.014E-04	9.958E-01
1.00	2.60	5.00	5.704E-02	8.431E-05	1.029E 00
1.00	2.60	5.25	5.620E-02	7.050E-05	1.062E 00
1.00	2.60	5.50	5.529E-02	5.925E-05	1.094E 00
1.00	2.60	5.75	5.433E-02	5.005E-05	1.126E 00
1.00	2.60	6.00	5.334E-02	4.247E-05	1.157E 00
1.00	2.80	2.00	4.065E-02	1.253E-03	5.957E-01
1.00	2.80	2.25	4.869E-02	1.077E-03	6.363E-01
1.00	2.80	2.50	5.478E-02	8.925E-04	6.765E-01
1.00	2.80	2.75	5.924E-02	7.268E-04	7.160E-01
1.00	2.80	3.00	6.240E-02	5.877E-04	7.549E-01
1.00	2.80	3.25	6.454E-02	4.746E-04	7.931E-01
1.00	2.80	3.50	6.587E-02	3.839E-04	8.306E-01
1.00	2.80	3.75	6.658E-02	3.117E-04	8.673E-01
1.00	2.80	4.00	6.681E-02	2.542E-04	9.034E-01
1.00	2.80	4.25	6.668E-02	2.083E-04	9.388E-01
1.00	2.80	4.50	6.627E-02	1.717E-04	9.736E-01
1.00	2.80	4.75	6.564E-02	1.423E-04	1.008E 00
1.00	2.80	5.00	6.485E-02	1.185E-04	1.041E 00
1.00	2.80	5.25	6.395E-02	9.924E-05	1.074E 00
1.00	2.80	5.50	6.295E-02	8.353E-05	1.107E 00
1.00	2.80	5.75	6.190E-02	7.065E-05	1.139E 00
1.00	2.80	6.00	6.080E-02	6.002E-05	1.171E 00
1.00	3.00	2.00	4.443E-02	1.609E-03	6.031E-01
1.00	3.00	2.25	5.336E-02	1.391E-03	6.436E-01
1.00	3.00	2.50	6.018E-02	1.159E-03	6.838E-01
1.00	3.00	2.75	6.522E-02	9.474E-04	7.234E-01
1.00	3.00	3.00	6.882E-02	7.688E-04	7.623E-01
1.00	3.00	3.25	7.128E-02	6.228E-04	8.005E-01
1.00	3.00	3.50	7.285E-02	5.053E-04	8.380E-01
1.00	3.00	3.75	7.373E-02	4.112E-04	8.749E-01
1.00	3.00	4.00	7.407E-02	3.361E-04	9.111E-01
1.00	3.00	4.25	7.399E-02	2.761E-04	9.466E-01
1.00	3.00	4.50	7.360E-02	2.279E-04	9.815E-01
1.00	3.00	4.75	7.296E-02	1.892E-04	1.016E 00
1.00	3.00	5.00	7.214E-02	1.578E-04	1.050E 00
1.00	3.00	5.25	7.118E-02	1.324E-04	1.083E 00
1.00	3.00	5.50	7.012E-02	1.116E-04	1.115E 00
1.00	3.00	5.75	6.899E-02	9.448E-05	1.147E 00
1.00	3.00	6.00	6.780E-02	8.036E-05	1.179E 00

T_1^*	γ_0	θ_0	h	k_c	k_d
1.00	3.50	2.00	5.221E-02	2.581E-03	6.146E-01
1.00	3.50	2.25	6.311E-02	2.261E-03	6.547E-01
1.00	3.50	2.50	7.156E-02	1.903E-03	6.944E-01
1.00	3.50	2.75	7.790E-02	1.571E-03	7.336E-01
1.00	3.50	3.00	8.253E-02	1.285E-03	7.723E-01
1.00	3.50	3.25	8.578E-02	1.049E-03	8.103E-01
1.00	3.50	3.50	8.794E-02	8.561E-04	8.476E-01
1.00	3.50	3.75	8.924E-02	7.007E-04	8.843E-01
1.00	3.50	4.00	8.987E-02	5.756E-04	9.204E-01
1.00	3.50	4.25	8.998E-02	4.750E-04	9.558E-01
1.00	3.50	4.50	8.968E-02	3.938E-04	9.907E-01
1.00	3.50	4.75	8.907E-02	3.281E-04	1.025E 00
1.00	3.50	5.00	8.821E-02	2.747E-04	1.059E 00
1.00	3.50	5.25	8.718E-02	2.311E-04	1.092E 00
1.00	3.50	5.50	8.600E-02	1.954E-04	1.124E 00
1.00	3.50	5.75	8.472E-02	1.659E-04	1.157E 00
1.00	3.50	6.00	8.337E-02	1.415E-04	1.188E 00
1.00	4.00	2.00	5.810E-02	3.598E-03	6.203E-01
1.00	4.00	2.25	7.061E-02	3.187E-03	6.596E-01
1.00	4.00	2.50	8.044E-02	2.708E-03	6.987E-01
1.00	4.00	2.75	8.792E-02	2.254E-03	7.373E-01
1.00	4.00	3.00	9.347E-02	1.857E-03	7.755E-01
1.00	4.00	3.25	9.744E-02	1.524E-03	8.130E-01
1.00	4.00	3.50	1.002E-01	1.251E-03	8.499E-01
1.00	4.00	3.75	1.019E-01	1.029E-03	8.862E-01
1.00	4.00	4.00	1.028E-01	8.491E-04	9.219E-01
1.00	4.00	4.25	1.031E-01	7.034E-04	9.570E-01
1.00	4.00	4.50	1.030E-01	5.853E-04	9.915E-01
1.00	4.00	4.75	1.024E-01	4.893E-04	1.026E 00
1.00	4.00	5.00	1.016E-01	4.109E-04	1.059E 00
1.00	4.00	5.25	1.005E-01	3.467E-04	1.092E 00
1.00	4.00	5.50	9.931E-02	2.938E-04	1.124E 00
1.00	4.00	5.75	9.795E-02	2.501E-04	1.156E 00
1.00	4.00	6.00	9.649E-02	2.138E-04	1.188E 00
1.00	4.50	2.00	6.258E-02	4.602E-03	6.229E-01
1.00	4.50	2.25	7.643E-02	4.116E-03	6.615E-01
1.00	4.50	2.50	8.743E-02	3.527E-03	6.998E-01
1.00	4.50	2.75	9.590E-02	2.956E-03	7.378E-01
1.00	4.50	3.00	1.023E-01	2.451E-03	7.753E-01
1.00	4.50	3.25	1.069E-01	2.023E-03	8.122E-01
1.00	4.50	3.50	1.101E-01	1.669E-03	8.486E-01
1.00	4.50	3.75	1.123E-01	1.378E-03	8.844E-01
1.00	4.50	4.00	1.135E-01	1.141E-03	9.197E-01
1.00	4.50	4.25	1.141E-01	9.490E-04	9.543E-01
1.00	4.50	4.50	1.140E-01	7.921E-04	9.885E-01
1.00	4.50	4.75	1.136E-01	6.641E-04	1.022E 00
1.00	4.50	5.00	1.128E-01	5.592E-04	1.055E 00
1.00	4.50	5.25	1.118E-01	4.729E-04	1.088E 00
1.00	4.50	5.50	1.105E-01	4.017E-04	1.120E 00
1.00	4.50	5.75	1.091E-01	3.427E-04	1.151E 00
1.00	4.50	6.00	1.076E-01	2.935E-04	1.182E 00

T_1^*	γ_0	θ_0	h	k_c	k_d
1.00	5.00	2.00	6.603E-02	5.564E-03	6.238E-01
1.00	5.00	2.25	8.099E-02	5.020E-03	6.616E-01
1.00	5.00	2.50	9.299E-02	4.334E-03	6.992E-01
1.00	5.00	2.75	1.023E-01	3.655E-03	7.365E-01
1.00	5.00	3.00	1.094E-01	3.047E-03	7.734E-01
1.00	5.00	3.25	1.146E-01	2.527E-03	8.097E-01
1.00	5.00	3.50	1.184E-01	2.093E-03	8.456E-01
1.00	5.00	3.75	1.209E-01	1.736E-03	8.809E-01
1.00	5.00	4.00	1.224E-01	1.443E-03	9.156E-01
1.00	5.00	4.25	1.232E-01	1.203E-03	9.498E-01
1.00	5.00	4.50	1.233E-01	1.007E-03	9.835E-01
1.00	5.00	4.75	1.230E-01	8.464E-04	1.017E 00
1.00	5.00	5.00	1.223E-01	7.143E-04	1.049E 00
1.00	5.00	5.25	1.213E-01	6.055E-04	1.081E 00
1.00	5.00	5.50	1.201E-01	5.154E-04	1.113E 00
1.00	5.00	5.75	1.187E-01	4.405E-04	1.144E 00
1.00	5.00	6.00	1.171E-01	3.779E-04	1.175E 00
1.00	6.00	2.00	7.078E-02	7.312E-03	6.232E-01
1.00	6.00	2.25	8.748E-02	6.697E-03	6.595E-01
1.00	6.00	2.50	1.011E-01	5.855E-03	6.957E-01
1.00	6.00	2.75	1.118E-01	4.992E-03	7.318E-01
1.00	6.00	3.00	1.201E-01	4.201E-03	7.674E-01
1.00	6.00	3.25	1.264E-01	3.513E-03	8.027E-01
1.00	6.00	3.50	1.310E-01	2.932E-03	8.374E-01
1.00	6.00	3.75	1.342E-01	2.447E-03	8.717E-01
1.00	6.00	4.00	1.363E-01	2.045E-03	9.055E-01
1.00	6.00	4.25	1.375E-01	1.715E-03	9.388E-01
1.00	6.00	4.50	1.380E-01	1.442E-03	9.716E-01
1.00	6.00	4.75	1.379E-01	1.218E-03	1.004E 00
1.00	6.00	5.00	1.374E-01	1.032E-03	1.036E 00
1.00	6.00	5.25	1.365E-01	8.779E-04	1.067E 00
1.00	6.00	5.50	1.354E-01	7.499E-04	1.098E 00
1.00	6.00	5.75	1.340E-01	6.430E-04	1.129E 00
1.00	6.00	6.00	1.324E-01	5.533E-04	1.159E 00
1.00	8.00	2.00	7.552E-02	1.010E-02	6.186E-01
1.00	8.00	2.25	9.443E-02	9.469E-03	6.525E-01
1.00	8.00	2.50	1.102E-01	8.442E-03	6.866E-01
1.00	8.00	2.75	1.229E-01	7.321E-03	7.205E-01
1.00	8.00	3.00	1.330E-01	6.251E-03	7.542E-01
1.00	8.00	3.25	1.409E-01	5.295E-03	7.875E-01
1.00	8.00	3.50	1.468E-01	4.468E-03	8.205E-01
1.00	8.00	3.75	1.511E-01	3.767E-03	8.531E-01
1.00	8.00	4.00	1.542E-01	3.178E-03	8.852E-01
1.00	8.00	4.25	1.562E-01	2.686E-03	9.169E-01
1.00	8.00	4.50	1.574E-01	2.276E-03	9.482E-01
1.00	8.00	4.75	1.578E-01	1.935E-03	9.790E-01
1.00	8.00	5.00	1.577E-01	1.650E-03	1.009E 00
1.00	8.00	5.25	1.572E-01	1.412E-03	1.039E 00
1.00	8.00	5.50	1.562E-01	1.213E-03	1.069E 00
1.00	8.00	5.75	1.550E-01	1.045E-03	1.098E 00
1.00	8.00	6.00	1.536E-01	9.034E-04	1.127E 00

T_1^*	γ_0	θ_0	h	k_c	k_d
1.00	10.00	2.00	7.730E-02	1.215E-02	6.136E-01
1.00	10.00	2.25	9.752E-02	1.159E-02	6.457E-01
1.00	10.00	2.50	1.146E-01	1.049E-02	6.781E-01
1.00	10.00	2.75	1.287E-01	9.208E-03	7.104E-01
1.00	10.00	3.00	1.401E-01	7.950E-03	7.426E-01
1.00	10.00	3.25	1.491E-01	6.799E-03	7.744E-01
1.00	10.00	3.50	1.560E-01	5.787E-03	8.060E-01
1.00	10.00	3.75	1.612E-01	4.916E-03	8.373E-01
1.00	10.00	4.00	1.651E-01	4.176E-03	8.681E-01
1.00	10.00	4.25	1.678E-01	3.552E-03	8.986E-01
1.00	10.00	4.50	1.695E-01	3.027E-03	9.287E-01
1.00	10.00	4.75	1.704E-01	2.586E-03	9.584E-01
1.00	10.00	5.00	1.707E-01	2.216E-03	9.877E-01
1.00	10.00	5.25	1.705E-01	1.905E-03	1.017E 00
1.00	10.00	5.50	1.698E-01	1.642E-03	1.045E 00
1.00	10.00	5.75	1.688E-01	1.420E-03	1.073E 00
1.00	10.00	6.00	1.675E-01	1.232E-03	1.101E 00
1.00	20.00	2.00	7.617E-02	1.719E-02	5.967E-01
1.00	20.00	2.25	9.863E-02	1.725E-02	6.241E-01
1.00	20.00	2.50	1.185E-01	1.629E-02	6.518E-01
1.00	20.00	2.75	1.357E-01	1.484E-02	6.797E-01
1.00	20.00	3.00	1.501E-01	1.323E-02	7.076E-01
1.00	20.00	3.25	1.620E-01	1.164E-02	7.354E-01
1.00	20.00	3.50	1.717E-01	1.016E-02	7.630E-01
1.00	20.00	3.75	1.795E-01	8.823E-03	7.905E-01
1.00	20.00	4.00	1.857E-01	7.647E-03	8.178E-01
1.00	20.00	4.25	1.904E-01	6.624E-03	8.447E-01
1.00	20.00	4.50	1.940E-01	5.739E-03	8.715E-01
1.00	20.00	4.75	1.965E-01	4.978E-03	8.979E-01
1.00	20.00	5.00	1.983E-01	4.325E-03	9.240E-01
1.00	20.00	5.25	1.993E-01	3.765E-03	9.499E-01
1.00	20.00	5.50	1.997E-01	3.285E-03	9.755E-01
1.00	20.00	5.75	1.996E-01	2.873E-03	1.001E 00
1.00	20.00	6.00	1.990E-01	2.518E-03	1.026E 00
1.00	40.00	2.00	7.035E-02	2.014E-02	5.823E-01
1.00	40.00	2.25	9.322E-02	2.111E-02	6.060E-01
1.00	40.00	2.50	1.143E-01	2.070E-02	6.301E-01
1.00	40.00	2.75	1.330E-01	1.949E-02	6.545E-01
1.00	40.00	3.00	1.494E-01	1.788E-02	6.790E-01
1.00	40.00	3.25	1.634E-01	1.613E-02	7.036E-01
1.00	40.00	3.50	1.752E-01	1.440E-02	7.281E-01
1.00	40.00	3.75	1.851E-01	1.276E-02	7.526E-01
1.00	40.00	4.00	1.932E-01	1.126E-02	7.769E-01
1.00	40.00	4.25	1.998E-01	9.915E-03	8.010E-01
1.00	40.00	4.50	2.051E-01	8.720E-03	8.250E-01
1.00	40.00	4.75	2.093E-01	7.668E-03	8.488E-01
1.00	40.00	5.00	2.125E-01	6.747E-03	8.723E-01
1.00	40.00	5.25	2.148E-01	5.942E-03	8.957E-01
1.00	40.00	5.50	2.164E-01	5.240E-03	9.188E-01
1.00	40.00	5.75	2.174E-01	4.629E-03	9.417E-01
1.00	40.00	6.00	2.179E-01	4.095E-03	9.644E-01

T_1^*	γ_0	θ_0	h	k_c	k_d
1.00	60.00	2.00	6.634E-02	2.109E-02	5.755E-01
1.00	60.00	2.25	8.898E-02	2.262E-02	5.973E-01
1.00	60.00	2.50	1.102E-01	2.263E-02	6.197E-01
1.00	60.00	2.75	1.295E-01	2.168E-02	6.424E-01
1.00	60.00	3.00	1.465E-01	2.019E-02	6.654E-01
1.00	60.00	3.25	1.614E-01	1.846E-02	6.884E-01
1.00	60.00	3.50	1.742E-01	1.667E-02	7.114E-01
1.00	60.00	3.75	1.850E-01	1.494E-02	7.344E-01
1.00	60.00	4.00	1.941E-01	1.331E-02	7.573E-01
1.00	60.00	4.25	2.017E-01	1.182E-02	7.800E-01
1.00	60.00	4.50	2.079E-01	1.048E-02	8.027E-01
1.00	60.00	4.75	2.129E-01	9.286E-03	8.251E-01
1.00	60.00	5.00	2.169E-01	8.225E-03	8.474E-01
1.00	60.00	5.25	2.200E-01	7.290E-03	8.695E-01
1.00	60.00	5.50	2.223E-01	6.466E-03	8.914E-01
1.00	60.00	5.75	2.239E-01	5.743E-03	9.132E-01
1.00	60.00	6.00	2.250E-01	5.107E-03	9.347E-01
1.00	100.00	2.00	6.131E-02	2.171E-02	5.682E-01
1.00	100.00	2.25	8.339E-02	2.391E-02	5.882E-01
1.00	100.00	2.50	1.046E-01	2.447E-02	6.087E-01
1.00	100.00	2.75	1.241E-01	2.391E-02	6.296E-01
1.00	100.00	3.00	1.418E-01	2.267E-02	6.508E-01
1.00	100.00	3.25	1.574E-01	2.105E-02	6.721E-01
1.00	100.00	3.50	1.711E-01	1.928E-02	6.935E-01
1.00	100.00	3.75	1.829E-01	1.749E-02	7.149E-01
1.00	100.00	4.00	1.930E-01	1.577E-02	7.362E-01
1.00	100.00	4.25	2.017E-01	1.415E-02	7.575E-01
1.00	100.00	4.50	2.089E-01	1.266E-02	7.786E-01
1.00	100.00	4.75	2.149E-01	1.131E-02	7.997E-01
1.00	100.00	5.00	2.198E-01	1.010E-02	8.206E-01
1.00	100.00	5.25	2.238E-01	9.020E-03	8.413E-01
1.00	100.00	5.50	2.269E-01	8.056E-03	8.619E-01
1.00	100.00	5.75	2.293E-01	7.200E-03	8.824E-01
1.00	100.00	6.00	2.311E-01	6.441E-03	9.027E-01
1.50	1.10	2.00	1.557E-04	1.654E-09	1.245E-01
1.50	1.10	2.25	1.817E-04	1.356E-09	1.335E-01
1.50	1.10	2.50	2.001E-04	1.081E-09	1.422E-01
1.50	1.10	2.75	2.126E-04	8.524E-10	1.506E-01
1.50	1.10	3.00	2.205E-04	6.706E-10	1.588E-01
1.50	1.10	3.25	2.251E-04	5.288E-10	1.668E-01
1.50	1.10	3.50	2.271E-04	4.188E-10	1.746E-01
1.50	1.10	3.75	2.272E-04	3.337E-10	1.823E-01
1.50	1.10	4.00	2.258E-04	2.675E-10	1.897E-01
1.50	1.10	4.25	2.234E-04	2.159E-10	1.971E-01
1.50	1.10	4.50	2.203E-04	1.753E-10	2.042E-01
1.50	1.10	4.75	2.167E-04	1.433E-10	2.113E-01
1.50	1.10	5.00	2.126E-04	1.179E-10	2.182E-01
1.50	1.10	5.25	2.083E-04	9.757E-11	2.250E-01
1.50	1.10	5.50	2.039E-04	8.119E-11	2.317E-01
1.50	1.10	5.75	1.993E-04	6.794E-11	2.383E-01
1.50	1.10	6.00	1.948E-04	5.714E-11	2.448E-01

T_1^*	y_0	θ_0	h	k_c	k_d
1.50	1.20	2.00	9.386E-04	1.153E-07	2.176E-01
1.50	1.20	2.25	1.099E-03	9.512E-08	2.330E-01
1.50	1.20	2.50	1.213E-03	7.627E-08	2.479E-01
1.50	1.20	2.75	1.292E-03	6.044E-08	2.625E-01
1.50	1.20	3.00	1.343E-03	4.777E-08	2.767E-01
1.50	1.20	3.25	1.374E-03	3.781E-08	2.905E-01
1.50	1.20	3.50	1.388E-03	3.005E-08	3.040E-01
1.50	1.20	3.75	1.391E-03	2.402E-08	3.172E-01
1.50	1.20	4.00	1.384E-03	1.931E-08	3.301E-01
1.50	1.20	4.25	1.371E-03	1.562E-08	3.428E-01
1.50	1.20	4.50	1.354E-03	1.272E-08	3.552E-01
1.50	1.20	4.75	1.333E-03	1.042E-08	3.673E-01
1.50	1.20	5.00	1.309E-03	8.590E-09	3.793E-01
1.50	1.20	5.25	1.284E-03	7.121E-09	3.911E-01
1.50	1.20	5.50	1.257E-03	5.937E-09	4.027E-01
1.50	1.20	5.75	1.230E-03	4.976E-09	4.141E-01
1.50	1.20	6.00	1.203E-03	4.191E-09	4.253E-01
1.50	1.40	2.00	4.539E-03	5.007E-06	3.440E-01
1.50	1.40	2.25	5.344E-03	4.183E-06	3.676E-01
1.50	1.40	2.50	5.930E-03	3.389E-06	3.907E-01
1.50	1.40	2.75	6.343E-03	2.710E-06	4.132E-01
1.50	1.40	3.00	6.619E-03	2.159E-06	4.351E-01
1.50	1.40	3.25	6.791E-03	1.721E-06	4.566E-01
1.50	1.40	3.50	6.883E-03	1.376E-06	4.775E-01
1.50	1.40	3.75	6.914E-03	1.106E-06	4.979E-01
1.50	1.40	4.00	6.899E-03	8.937E-07	5.179E-01
1.50	1.40	4.25	6.850E-03	7.264E-07	5.376E-01
1.50	1.40	4.50	6.776E-03	5.940E-07	5.568E-01
1.50	1.40	4.75	6.682E-03	4.885E-07	5.757E-01
1.50	1.40	5.00	6.575E-03	4.041E-07	5.943E-01
1.50	1.40	5.25	6.458E-03	3.361E-07	6.126E-01
1.50	1.40	5.50	6.335E-03	2.811E-07	6.306E-01
1.50	1.40	5.75	6.207E-03	2.363E-07	6.483E-01
1.50	1.40	6.00	6.077E-03	1.996E-07	6.658E-01
1.50	1.60	2.00	9.889E-03	3.346E-05	4.228E-01
1.50	1.60	2.25	1.170E-02	2.825E-05	4.512E-01
1.50	1.60	2.50	1.304E-02	2.310E-05	4.790E-01
1.50	1.60	2.75	1.400E-02	1.861E-05	5.060E-01
1.50	1.60	3.00	1.466E-02	1.493E-05	5.324E-01
1.50	1.60	3.25	1.509E-02	1.197E-05	5.583E-01
1.50	1.60	3.50	1.533E-02	9.627E-06	5.835E-01
1.50	1.60	3.75	1.543E-02	7.776E-06	6.081E-01
1.50	1.60	4.00	1.543E-02	6.311E-06	6.323E-01
1.50	1.60	4.25	1.535E-02	5.150E-06	6.561E-01
1.50	1.60	4.50	1.521E-02	4.226E-06	6.793E-01
1.50	1.60	4.75	1.503E-02	3.488E-06	7.022E-01
1.50	1.60	5.00	1.481E-02	2.894E-06	7.247E-01
1.50	1.60	5.25	1.457E-02	2.415E-06	7.468E-01
1.50	1.60	5.50	1.431E-02	2.025E-06	7.686E-01
1.50	1.60	5.75	1.403E-02	1.706E-06	7.901E-01
1.50	1.60	6.00	1.376E-02	1.445E-06	8.112E-01

T_1^*	y_0	θ_0	h	k_c	k_d
1.50	1.80	2.00	1.592E-02	1.093E-04	4.747E-01
1.50	1.80	2.25	1.802E-02	9.317E-05	5.059E-01
1.50	1.80	2.50	2.117E-02	7.678E-05	5.363E-01
1.50	1.80	2.75	2.281E-02	6.231E-05	5.661E-01
1.50	1.80	3.00	2.395E-02	5.028E-05	5.952E-01
1.50	1.80	3.25	2.470E-02	4.054E-05	6.237E-01
1.50	1.80	3.50	2.516E-02	3.276E-05	6.515E-01
1.50	1.80	3.75	2.539E-02	2.657E-05	6.788E-01
1.50	1.80	4.00	2.543E-02	2.165E-05	7.055E-01
1.50	1.80	4.25	2.534E-02	1.773E-05	7.317E-01
1.50	1.80	4.50	2.515E-02	1.460E-05	7.575E-01
1.50	1.80	4.75	2.488E-02	1.208E-05	7.828E-01
1.50	1.80	5.00	2.455E-02	1.005E-05	8.076E-01
1.50	1.80	5.25	2.418E-02	8.410E-06	8.321E-01
1.50	1.80	5.50	2.377E-02	7.069E-06	8.562E-01
1.50	1.80	5.75	2.334E-02	5.971E-06	8.800E-01
1.50	1.80	6.00	2.290E-02	5.066E-06	9.034E-01
1.50	2.00	2.00	2.198E-02	2.477E-04	5.101E-01
1.50	2.00	2.25	2.623E-02	2.130E-04	5.430E-01
1.50	2.00	2.50	2.946E-02	1.768E-04	5.751E-01
1.50	2.00	2.75	3.182E-02	1.444E-04	6.065E-01
1.50	2.00	3.00	3.350E-02	1.171E-04	6.373E-01
1.50	2.00	3.25	3.464E-02	9.490E-05	6.674E-01
1.50	2.00	3.50	3.535E-02	7.701E-05	6.968E-01
1.50	2.00	3.75	3.574E-02	6.271E-05	7.257E-01
1.50	2.00	4.00	3.586E-02	5.128E-05	7.540E-01
1.50	2.00	4.25	3.579E-02	4.213E-05	7.817E-01
1.50	2.00	4.50	3.557E-02	3.479E-05	8.090E-01
1.50	2.00	4.75	3.523E-02	2.887E-05	8.358E-01
1.50	2.00	5.00	3.480E-02	2.409E-05	8.622E-01
1.50	2.00	5.25	3.431E-02	2.019E-05	8.881E-01
1.50	2.00	5.50	3.377E-02	1.701E-05	9.137E-01
1.50	2.00	5.75	3.320E-02	1.440E-05	9.389E-01
1.50	2.00	6.00	3.260E-02	1.224E-05	9.637E-01
1.50	2.20	2.00	2.773E-02	4.526E-04	5.351E-01
1.50	2.20	2.25	3.323E-02	3.921E-04	5.689E-01
1.50	2.20	2.50	3.743E-02	3.276E-04	6.021E-01
1.50	2.20	2.75	4.055E-02	2.691E-04	6.345E-01
1.50	2.20	3.00	4.279E-02	2.194E-04	6.662E-01
1.50	2.20	3.25	4.434E-02	1.785E-04	6.973E-01
1.50	2.20	3.50	4.533E-02	1.454E-04	7.278E-01
1.50	2.20	3.75	4.590E-02	1.189E-04	7.576E-01
1.50	2.20	4.00	4.613E-02	9.749E-05	7.869E-01
1.50	2.20	4.25	4.610E-02	8.033E-05	8.156E-01
1.50	2.20	4.50	4.588E-02	6.651E-05	8.438E-01
1.50	2.20	4.75	4.549E-02	5.534E-05	8.716E-01
1.50	2.20	5.00	4.499E-02	4.627E-05	8.989E-01
1.50	2.20	5.25	4.440E-02	3.887E-05	9.258E-01
1.50	2.20	5.50	4.374E-02	3.281E-05	9.523E-01
1.50	2.20	5.75	4.303E-02	2.781E-05	9.784E-01
1.50	2.20	6.00	4.229E-02	2.369E-05	1.004E 00

τ_1^*	γ_0	θ_0	h	k_c	k_d
1.50	2.40	2.00	3.305F-02	7.194F-04	5.532F-01
1.50	2.40	2.25	3.973F-02	6.276F-04	5.875F-01
1.50	2.40	2.50	4.488F-02	5.276F-04	6.212F-01
1.50	2.40	2.75	4.874F-02	4.356F-04	6.542F-01
1.50	2.40	3.00	5.155F-02	3.568F-04	6.866F-01
1.50	2.40	3.25	5.352F-02	2.915E-04	7.182F-01
1.50	2.40	3.50	5.481F-02	2.383F-04	7.493F-01
1.50	2.40	3.75	5.559F-02	1.954F-04	7.797F-01
1.50	2.40	4.00	5.594E-02	1.607E-04	8.096F-01
1.50	2.40	4.25	5.598F-02	1.328F-04	8.389F-01
1.50	2.40	4.50	5.577F-02	1.102F-04	8.677F-01
1.50	2.40	4.75	5.536F-02	9.190F-05	8.961F-01
1.50	2.40	5.00	5.480F-02	7.700F-05	9.240F-01
1.50	2.40	5.25	5.413F-02	6.481F-05	9.515F-01
1.50	2.40	5.50	5.337F-02	5.480F-05	9.785F-01
1.50	2.40	5.75	5.255F-02	4.654F-05	1.005F 00
1.50	2.40	6.00	5.169F-02	3.969F-05	1.032F 00
1.50	2.60	2.00	3.787F-02	1.039F-03	5.665F-01
1.50	2.60	2.25	4.566F-02	9.127E-04	6.011F-01
1.50	2.60	2.50	5.172F-02	7.715F-04	6.351E-01
1.50	2.60	2.75	5.631F-02	6.400F-04	6.684F-01
1.50	2.60	3.00	5.967F-02	5.264F-04	7.010F-01
1.50	2.60	3.25	6.206F-02	4.317F-04	7.330F-01
1.50	2.60	3.50	6.366F-02	3.541F-04	7.644F-01
1.50	2.60	3.75	6.465F-02	2.912F-04	7.952F-01
1.50	2.60	4.00	6.515F-02	2.402F-04	8.254F-01
1.50	2.60	4.25	6.527F-02	1.989F-04	8.551F-01
1.50	2.60	4.50	6.509E-02	1.655E-04	8.843F-01
1.50	2.60	4.75	6.468E-02	1.383E-04	9.130F-01
1.50	2.60	5.00	6.409F-02	1.161F-04	9.413F-01
1.50	2.60	5.25	6.336F-02	9.786F-05	9.691F-01
1.50	2.60	5.50	6.252F-02	8.788F-05	9.965F-01
1.50	2.60	5.75	6.161F-02	7.050F-05	1.024F 00
1.50	2.60	6.00	6.063F-02	6.021F-05	1.050F 00
1.50	2.80	2.00	4.220F-02	1.402F-03	5.765F-01
1.50	2.80	2.25	5.104F-02	1.239F-03	6.111F-01
1.50	2.80	2.50	5.796F-02	1.052F-03	6.452F-01
1.50	2.80	2.75	6.322F-02	8.770F-04	6.786F-01
1.50	2.80	3.00	6.713F-02	7.241F-04	7.114F-01
1.50	2.80	3.25	6.993F-02	5.958F-04	7.436F-01
1.50	2.80	3.50	7.184F-02	4.903F-04	7.751F-01
1.50	2.80	3.75	7.306F-02	4.042F-04	8.061F-01
1.50	2.80	4.00	7.371F-02	3.343F-04	8.365F-01
1.50	2.80	4.25	7.392F-02	2.775F-04	8.664F-01
1.50	2.80	4.50	7.380F-02	2.313F-04	8.957F-01
1.50	2.80	4.75	7.339F-02	1.936F-04	9.247F-01
1.50	2.80	5.00	7.279F-02	1.628F-04	9.531F-01
1.50	2.80	5.25	7.201F-02	1.375F-04	9.811F-01
1.50	2.80	5.50	7.111F-02	1.167F-04	1.009F 00
1.50	2.80	5.75	7.012F-02	9.936F-05	1.036F 00
1.50	2.80	6.00	6.906F-02	8.498F-05	1.063F 00

T_1^*	y_0	θ_0	h	k_c	k_d
1.50	3.00	2.00	4.607E-02	1.798E-03	5.840F-01
1.50	3.00	2.25	5.588E-02	1.597E-03	6.186F-01
1.50	3.00	2.50	6.360E-02	1.363E-03	6.526F-01
1.50	3.00	2.75	6.952F-02	1.141E-03	6.860E-01
1.50	3.00	3.00	7.395F-02	9.454F-04	7.189F-01
1.50	3.00	3.25	7.715F-02	7.804F-04	7.511F-01
1.50	3.00	3.50	7.937E-02	6.439E-04	7.827F-01
1.50	3.00	3.75	8.081E-02	5.323E-04	8.137E-01
1.50	3.00	4.00	8.162F-02	4.412F-04	8.442E-01
1.50	3.00	4.25	8.194E-02	3.670F-04	8.741E-01
1.50	3.00	4.50	8.188E-02	3.065E-04	9.036F-01
1.50	3.00	4.75	8.150E-02	2.571E-04	9.326F-01
1.50	3.00	5.00	8.089E-02	2.165E-04	9.611E-01
1.50	3.00	5.25	8.009E-02	1.832E-04	9.893E-01
1.50	3.00	5.50	7.914F-02	1.556E-04	1.017F 00
1.50	3.00	5.75	7.809F-02	1.327F-04	1.044E 00
1.50	3.00	6.00	7.695F-02	1.136E-04	1.071F 00
1.50	3.50	2.00	5.404E-02	2.873F-03	5.959F-01
1.50	3.50	2.25	6.594F-02	2.585E-03	6.301F-01
1.50	3.50	2.50	7.544F-02	2.230E-03	6.637F-01
1.50	3.50	2.75	8.283E-02	1.883E-03	6.969F-01
1.50	3.50	3.00	8.845E-02	1.573E-03	7.295E-01
1.50	3.50	3.25	9.260E-02	1.308E-03	7.615E-01
1.50	3.50	3.50	9.5*6E-02	1.086E-03	7.929E-01
1.50	3.50	3.75	9.757E-02	9.031F-04	8.237E-01
1.50	3.50	4.00	9.879E-02	7.524E-04	8.541F-01
1.50	3.50	4.25	9.941F-02	6.288F-04	8.840E-01
1.50	3.50	4.50	9.954F-02	5.275F-04	9.134F-01
1.50	3.50	4.75	9.927F-02	4.441F-04	9.423F-01
1.50	3.50	5.00	9.870F-02	3.755F-04	9.708F-01
1.50	3.50	5.25	9.788F-02	3.187F-04	9.989F-01
1.50	3.50	5.50	9.687E-02	2.715F-04	1.027E 00
1.50	3.50	5.75	9.571E-02	2.323E-04	1.054E 00
1.50	3.50	6.00	9.444E-02	1.995E-04	1.081E 00
1.50	4.00	2.00	6.002E-02	3.992E-03	6.021E-01
1.50	4.00	2.25	7.363E-02	3.630E-03	6.356E-01
1.50	4.00	2.50	8.463F-02	3.162E-03	6.687E-01
1.50	4.00	2.75	9.329F-02	2.691F-03	7.014E-01
1.50	4.00	3.00	9.995F-02	2.264F-03	7.335E-01
1.50	4.00	3.25	1.050F-01	1.894F-03	7.651F-01
1.50	4.00	3.50	1.086F-01	1.581F-03	7.961F-01
1.50	4.00	3.75	1.111E-01	1.321E-03	8.266F-01
1.50	4.00	4.00	1.128E-01	1.106E-03	8.567E-01
1.50	4.00	4.25	1.137E-01	9.279E-04	8.862E-01
1.50	4.00	4.50	1.141E-01	7.813E-04	9.153E-01
1.50	4.00	4.75	1.139E-01	6.601F-04	9.440E-01
1.50	4.00	5.00	1.135E-01	5.598F-04	9.723E-01
1.50	4.00	5.25	1.127E-01	4.765F-04	1.000E 00
1.50	4.00	5.50	1.117E-01	4.072F-04	1.028F 00
1.50	4.00	5.75	1.105E-01	3.492F-04	1.055F 00
1.50	4.00	6.00	1.091E-01	3.005F-04	1.081F 00

T_1^*	r_0	θ_0	h	k_e	k_d
1.50	4.50	2.00	6.455E-02	5.092E-03	6.052E-01
1.50	4.50	2.25	7.956E-02	4.675E-03	6.380E-01
1.50	4.50	2.50	9.181E-02	4.105E-03	6.705E-01
1.50	4.50	2.75	1.016E-01	3.519E-03	7.026E-01
1.50	4.50	3.00	1.091E-01	2.978E-03	7.342E-01
1.50	4.50	3.25	1.149E-01	2.505E-03	7.653E-01
1.50	4.50	3.50	1.192E-01	2.102E-03	7.959E-01
1.50	4.50	3.75	1.222E-01	1.764E-03	8.260E-01
1.50	4.50	4.00	1.243E-01	1.482E-03	8.556E-01
1.50	4.50	4.25	1.255E-01	1.248E-03	8.848E-01
1.50	4.50	4.50	1.261E-01	1.054E-03	9.135E-01
1.50	4.50	4.75	1.262E-01	8.933E-04	9.418E-01
1.50	4.50	5.00	1.258E-01	7.597E-04	9.697E-01
1.50	4.50	5.25	1.251E-01	6.483E-04	9.973E-01
1.50	4.50	5.50	1.241E-01	5.553E-04	1.024E 00
1.50	4.50	5.75	1.229E-01	4.773E-04	1.051E 00
1.50	4.50	6.00	1.215E-01	4.117E-04	1.078E 00
1.50	5.00	2.00	6.801E-02	6.140E-03	6.066E-01
1.50	5.00	2.25	8.418E-02	5.686E-03	6.388E-01
1.50	5.00	2.50	9.748E-02	5.028E-03	6.706E-01
1.50	5.00	2.75	1.082E-01	4.337E-03	7.021E-01
1.50	5.00	3.00	1.166E-01	3.691E-03	7.332E-01
1.50	5.00	3.25	1.230E-01	3.120E-03	7.638E-01
1.50	5.00	3.50	1.278E-01	2.629E-03	7.939E-01
1.50	5.00	3.75	1.314E-01	2.214E-03	8.235E-01
1.50	5.00	4.00	1.338E-01	1.867E-03	8.527E-01
1.50	5.00	4.25	1.353E-01	1.577E-03	8.815E-01
1.50	5.00	4.50	1.362E-01	1.336E-03	9.098E-01
1.50	5.00	4.75	1.364E-01	1.135E-03	9.378E-01
1.50	5.00	5.00	1.362E-01	9.680E-04	9.653E-01
1.50	5.00	5.25	1.355E-01	8.280E-04	9.925E-01
1.50	5.00	5.50	1.346E-01	7.106E-04	1.019E 00
1.50	5.00	5.75	1.335E-01	6.120E-04	1.046E 00
1.50	5.00	6.00	1.321E-01	5.289E-04	1.072E 00
1.50	6.00	2.00	7.273E-02	8.035E-03	6.067E-01
1.50	6.00	2.25	9.067E-02	7.549E-03	6.377E-01
1.50	6.00	2.50	1.056E-01	6.759E-03	6.684E-01
1.50	6.00	2.75	1.178E-01	5.893E-03	6.988E-01
1.50	6.00	3.00	1.276E-01	5.063E-03	7.288E-01
1.50	6.00	3.25	1.352E-01	4.314E-03	7.585E-01
1.50	6.00	3.50	1.410E-01	3.662E-03	7.877E-01
1.50	6.00	3.75	1.454E-01	3.105E-03	8.164E-01
1.50	6.00	4.00	1.485E-01	2.634E-03	8.448E-01
1.50	6.00	4.25	1.506E-01	2.237E-03	8.728E-01
1.50	6.00	4.50	1.519E-01	1.905E-03	9.004E-01
1.50	6.00	4.75	1.525E-01	1.626E-03	9.276E-01
1.50	6.00	5.00	1.526E-01	1.392E-03	9.544E-01
1.50	6.00	5.25	1.522E-01	1.195E-03	9.809E-01
1.50	6.00	5.50	1.514E-01	1.030E-03	1.007E 00
1.50	6.00	5.75	1.503E-01	8.898E-04	1.033E 00
1.50	6.00	6.00	1.490E-01	7.713E-04	1.058E 00

T_1^*	γ_0	θ_0	h	k_c	k_d
1.50	8.00	2.00	7.732E-02	1.103E-02	6.035E-01
1.50	8.00	2.25	9.747E-02	1.060E-02	6.324E-01
1.50	8.00	2.50	1.147E-01	9.670E-03	6.612E-01
1.50	8.00	2.75	1.290E-01	8.571E-03	6.898E-01
1.50	8.00	3.00	1.406E-01	7.471E-03	7.182E-01
1.50	8.00	3.25	1.500E-01	6.448E-03	7.462E-01
1.50	8.00	3.50	1.573E-01	5.536E-03	7.738E-01
1.50	8.00	3.75	1.630E-01	4.742E-03	8.011E-01
1.50	8.00	4.00	1.673E-01	4.060E-03	8.281E-01
1.50	8.00	4.25	1.704E-01	3.478E-03	8.547E-01
1.50	8.00	4.50	1.725E-01	2.984E-03	8.810E-01
1.50	8.00	4.75	1.738E-01	2.565E-03	9.069E-01
1.50	8.00	5.00	1.744E-01	2.210E-03	9.325E-01
1.50	8.00	5.25	1.745E-01	1.910E-03	9.578E-01
1.50	8.00	5.50	1.741E-01	1.654E-03	9.828E-01
1.50	8.00	5.75	1.733E-01	1.437E-03	1.008E 00
1.50	8.00	6.00	1.722E-01	1.252E-03	1.032E 00
1.50	10.00	2.00	7.892E-02	1.320E-02	5.994E-01
1.50	10.00	2.25	1.003E-01	1.289E-02	6.268E-01
1.50	10.00	2.50	1.189E-01	1.194E-02	6.542E-01
1.50	10.00	2.75	1.346E-01	1.072E-02	6.814E-01
1.50	10.00	3.00	1.475E-01	9.441E-03	7.085E-01
1.50	10.00	3.25	1.581E-01	8.227E-03	7.353E-01
1.50	10.00	3.50	1.666E-01	7.125E-03	7.618E-01
1.50	10.00	3.75	1.733E-01	6.150E-03	7.879E-01
1.50	10.00	4.00	1.784E-01	5.302E-03	8.138E-01
1.50	10.00	4.25	1.823E-01	4.571E-03	8.393E-01
1.50	10.00	4.50	1.851E-01	3.944E-03	8.646E-01
1.50	10.00	4.75	1.870E-01	3.409E-03	8.895E-01
1.50	10.00	5.00	1.881E-01	2.952E-03	9.142E-01
1.50	10.00	5.25	1.886E-01	2.562E-03	9.385E-01
1.50	10.00	5.50	1.886E-01	2.229E-03	9.626E-01
1.50	10.00	5.75	1.881E-01	1.944E-03	9.864E-01
1.50	10.00	6.00	1.873E-01	1.700E-03	1.010E 00
1.50	20.00	2.00	7.714E-02	1.841E-02	5.851E-01
1.50	20.00	2.25	1.006E-01	1.888E-02	6.084E-01
1.50	20.00	2.50	1.217E-01	1.823E-02	6.318E-01
1.50	20.00	2.75	1.403E-01	1.696E-02	6.553E-01
1.50	20.00	3.00	1.564E-01	1.543E-02	6.787E-01
1.50	20.00	3.25	1.700E-01	1.382E-02	7.021E-01
1.50	20.00	3.50	1.814E-01	1.227E-02	7.252E-01
1.50	20.00	3.75	1.908E-01	1.084E-02	7.482E-01
1.50	20.00	4.00	1.985E-01	9.533E-03	7.710E-01
1.50	20.00	4.25	2.047E-01	8.371E-03	7.936E-01
1.50	20.00	4.50	2.097E-01	7.348E-03	8.159E-01
1.50	20.00	4.75	2.125E-01	6.450E-03	8.381E-01
1.50	20.00	5.00	2.163E-01	5.666E-03	8.600E-01
1.50	20.00	5.25	2.184E-01	4.984E-03	8.817E-01
1.50	20.00	5.50	2.197E-01	4.389E-03	9.031E-01
1.50	20.00	5.75	2.204E-01	3.873E-03	9.244E-01
1.50	20.00	6.00	2.206E-01	3.423E-03	9.455E-01

T_1^*	r_0	θ_0	h	k_c	k_d
1.50	40.00	2.00	7.074E-02	2.130E-02	5.726E-01
1.50	40.00	2.25	9.429E-02	2.279E-02	5.927E-01
1.50	40.00	2.50	1.163E-01	2.282E-02	6.131E-01
1.50	40.00	2.75	1.364E-01	2.192E-02	6.336E-01
1.50	40.00	3.00	1.542E-01	2.050E-02	6.542E-01
1.50	40.00	3.25	1.698E-01	1.884E-02	6.748E-01
1.50	40.00	3.50	1.832E-01	1.710E-02	6.953E-01
1.50	40.00	3.75	1.948E-01	1.541E-02	7.157E-01
1.50	40.00	4.00	2.046E-01	1.380E-02	7.360E-01
1.50	40.00	4.25	2.128E-01	1.232E-02	7.562E-01
1.50	40.00	4.50	2.196E-01	1.098E-02	7.762E-01
1.50	40.00	4.75	2.252E-01	9.777E-03	7.961E-01
1.50	40.00	5.00	2.297E-01	8.701E-03	8.158E-01
1.50	40.00	5.25	2.333E-01	7.745E-03	8.353E-01
1.50	40.00	5.50	2.361E-01	6.898E-03	8.547E-01
1.50	40.00	5.75	2.381E-01	6.150E-03	8.739E-01
1.50	40.00	6.00	2.395E-01	5.488E-03	8.929E-01
1.50	60.00	2.00	6.647E-02	2.216E-02	5.666E-01
1.50	60.00	2.25	8.964E-02	2.424E-02	5.852E-01
1.50	60.00	2.50	1.117E-01	2.474E-02	6.041E-01
1.50	60.00	2.75	1.371E-01	2.417E-02	6.232E-01
1.50	60.00	3.00	1.505E-01	2.295E-02	6.425E-01
1.50	60.00	3.25	1.669E-01	2.137E-02	6.617E-01
1.50	60.00	3.50	1.812E-01	1.963E-02	6.809E-01
1.50	60.00	3.75	1.937E-01	1.787E-02	7.001E-01
1.50	60.00	4.00	2.044E-01	1.617E-02	7.192E-01
1.50	60.00	4.25	2.136E-01	1.456E-02	7.382E-01
1.50	60.00	4.50	2.214E-01	1.309E-02	7.571E-01
1.50	60.00	4.75	2.280E-01	1.174E-02	7.758E-01
1.50	60.00	5.00	2.334E-01	1.052E-02	7.945E-01
1.50	60.00	5.25	2.378E-01	9.423E-03	8.129E-01
1.50	60.00	5.50	2.413E-01	8.442E-03	8.313E-01
1.50	60.00	5.75	2.441E-01	7.569E-03	8.495E-01
1.50	60.00	6.00	2.462E-01	6.790E-03	8.675E-01
1.50	100.00	2.00	6.119E-02	2.265E-02	5.602E-01
1.50	100.00	2.25	8.362E-02	2.541E-02	5.772E-01
1.50	100.00	2.50	1.054E-01	2.651E-02	5.946E-01
1.50	100.00	2.75	1.259E-01	2.641E-02	6.122E-01
1.50	100.00	3.00	1.448E-01	2.550E-02	6.299E-01
1.50	100.00	3.25	1.618E-01	2.411E-02	6.477E-01
1.50	100.00	3.50	1.770E-01	2.246E-02	6.656E-01
1.50	100.00	3.75	1.904E-01	2.071E-02	6.834E-01
1.50	100.00	4.00	2.021E-01	1.895E-02	7.012E-01
1.50	100.00	4.25	2.123E-01	1.724E-02	7.189E-01
1.50	100.00	4.50	2.212E-01	1.564E-02	7.365E-01
1.50	100.00	4.75	2.287E-01	1.415E-02	7.541E-01
1.50	100.00	5.00	2.351E-01	1.279E-02	7.715E-01
1.50	100.00	5.25	2.405E-01	1.154E-02	7.889E-01
1.50	100.00	5.50	2.450E-01	1.041E-02	8.061E-01
1.50	100.00	5.75	2.487E-01	9.398E-03	8.232E-01
1.50	100.00	6.00	2.516E-01	8.484E-03	8.401E-01

r_1^*	y_0	θ_0	h	k_e	k_d
2.00	1.10	2.00	1.609F-04	1.812F-09	1.213F-01
2.00	1.10	2.25	1.889F-04	1.510F-09	1.294F-01
2.00	1.10	2.50	2.092F-04	1.221F-09	1.373F-01
2.00	1.10	2.75	2.233F-04	9.752F-10	1.449F-01
2.00	1.10	3.00	2.326F-04	7.754F-10	1.524F-01
2.00	1.10	3.25	2.382F-04	6.169F-10	1.597F-01
2.00	1.10	3.50	2.411F-04	4.925E-10	1.668E-01
2.00	1.10	3.75	2.418E-04	3.951E-10	1.738E-01
2.00	1.10	4.00	2.409E-04	3.186E-10	1.806E-01
2.00	1.10	4.25	2.389F-04	2.585E-10	1.873E-01
2.00	1.10	4.50	2.359F-04	2.109F-10	1.939E-01
2.00	1.10	4.75	2.324F-04	1.731E-10	2.003E-01
2.00	1.10	5.00	2.283F-04	1.429F-10	2.067E-01
2.00	1.10	5.25	2.240F-04	1.186F-10	2.130F-01
2.00	1.10	5.50	2.194F-04	9.900E-11	2.191E-01
2.00	1.10	5.75	2.147E-04	8.306F-11	2.251F-01
2.00	1.10	6.00	2.100F-04	7.003F-11	2.311F-01
2.00	1.20	2.00	9.691F-04	1.261E-07	2.121E-01
2.00	1.20	2.25	1.141E-03	1.058E-07	2.260E-01
2.00	1.20	2.50	1.267F-03	8.606E-08	2.395E-01
2.00	1.20	2.75	1.356E-03	6.906E-08	2.527E-01
2.00	1.20	3.00	1.416E-03	5.516E-08	2.656E-01
2.00	1.20	3.25	1.453F-03	4.406E-08	2.782E-01
2.00	1.20	3.50	1.472F-03	3.530E-08	2.905E-01
2.00	1.20	3.75	1.479F-03	2.841E-08	3.025F-01
2.00	1.20	4.00	1.476F-03	2.298E-08	3.143F-01
2.00	1.20	4.25	1.465F-03	1.869E-08	3.259E-01
2.00	1.20	4.50	1.449F-03	1.529E-08	3.373F-01
2.00	1.20	4.75	1.428F-03	1.258E-08	3.485E-01
2.00	1.20	5.00	1.405E-03	1.040E-08	3.595F-01
2.00	1.20	5.25	1.379E-03	8.652E-09	3.703E-01
2.00	1.20	5.50	1.353F-03	7.234E-09	3.809E-01
2.00	1.20	5.75	1.325E-03	6.080E-09	3.914E-01
2.00	1.20	6.00	1.296E-03	5.134E-09	4.017E-01
2.00	1.40	2.00	4.681F-03	5.465F-06	3.355F-01
2.00	1.40	2.25	5.545F-03	4.642F-06	3.570F-01
2.00	1.40	2.50	6.187F-03	3.815E-06	3.778F-01
2.00	1.40	2.75	6.649F-03	3.089F-06	3.982F-01
2.00	1.40	3.00	6.967F-03	2.487F-06	4.181F-01
2.00	1.40	3.25	7.173F-03	2.001F-06	4.375F-01
2.00	1.40	3.50	7.293F-03	1.613E-06	4.566E-01
2.00	1.40	3.75	7.346F-03	1.305E-06	4.752F-01
2.00	1.40	4.00	7.348F-03	1.061E-06	4.935E-01
2.00	1.40	4.25	7.311F-03	8.674E-07	5.115E-01
2.00	1.40	4.50	7.245F-03	7.126F-07	5.291E-01
2.00	1.40	4.75	7.156F-03	5.886E-07	5.465F-01
2.00	1.40	5.00	7.051F-03	4.887E-07	5.635F-01
2.00	1.40	5.25	6.934F-03	4.078E-07	5.803F-01
2.00	1.40	5.50	6.809F-03	3.421F-07	5.968E-01
2.00	1.40	5.75	6.679F-03	2.884F-07	6.131F-01
2.00	1.40	6.00	6.545F-03	2.442F-07	6.291F-01

T_1^*	γ_0	θ_0	h	k_e	k_d
2.00	1.60	2.00	1.019F-02	3.645E-05	4.127F-01
2.00	1.60	2.25	1.213F-02	3.128E-05	4.384F-01
2.00	1.60	2.50	1.359F-02	2.594E-05	4.635F-01
2.00	1.60	2.75	1.466E-02	2.118F-05	4.880E-01
2.00	1.60	3.00	1.542F-02	1.717E-05	5.120E-01
2.00	1.60	3.25	1.592F-02	1.389F-05	5.354F-01
2.00	1.60	3.50	1.623F-02	1.126F-05	5.583F-01
2.00	1.60	3.75	1.678F-02	9.161F-06	5.808E-01
2.00	1.60	4.00	1.642F-02	7.482E-06	6.029E-01
2.00	1.60	4.25	1.637F-02	6.140F-06	6.246F-01
2.00	1.60	4.50	1.625E-02	5.064E-06	6.459E-01
2.00	1.60	4.75	1.608F-02	4.197E-06	6.669E-01
2.00	1.60	5.00	1.587F-02	3.496F-06	6.875F-01
2.00	1.60	5.25	1.563F-02	2.926E-06	7.078E-01
2.00	1.60	5.50	1.537E-02	2.462F-06	7.278F-01
2.00	1.60	5.75	1.509F-02	2.080F-06	7.475F-01
2.00	1.60	6.00	1.481F-02	1.766E-06	7.669F-01
2.00	1.80	2.00	1.638F-02	1.189F-04	4.636F-01
2.00	1.80	2.25	1.959E-02	1.030E-04	4.919F-01
2.00	1.80	2.50	2.204E-02	8.609E-05	5.194F-01
2.00	1.80	2.75	2.386F-02	7.075F-05	5.464E-01
2.00	1.80	3.00	2.515E-02	5.771E-05	5.727E-01
2.00	1.80	3.25	2.604E-02	4.696E-05	5.986E-01
2.00	1.80	3.50	2.661E-02	3.826E-05	6.239E-01
2.00	1.80	3.75	2.692E-02	3.126E-05	6.487E-01
2.00	1.80	4.00	2.704F-02	2.563E-05	6.731E-01
2.00	1.80	4.25	2.700F-02	2.111E-05	6.970F-01
2.00	1.80	4.50	2.685E-02	1.747F-05	7.206F-01
2.00	1.80	4.75	2.660F-02	1.452F-05	7.437F-01
2.00	1.80	5.00	2.629F-02	1.213F-05	7.665F-01
2.00	1.80	5.25	2.592E-02	1.018E-05	7.890F-01
2.00	1.80	5.50	2.552F-02	8.586E-06	8.111E-01
2.00	1.80	5.75	2.509F-02	7.273E-06	8.329F-01
2.00	1.80	6.00	2.464F-02	6.188E-06	8.543E-01
2.00	2.00	2.00	2.260E-02	2.690E-04	4.986F-01
2.00	2.00	2.25	2.714E-02	2.350E-04	5.283E-01
2.00	2.00	2.50	3.064E-02	1.979E-04	5.573E-01
2.00	2.00	2.75	3.326F-02	1.637E-04	5.858E-01
2.00	2.00	3.00	3.516F-02	1.342E-04	6.136F-01
2.00	2.00	3.25	3.648F-02	1.098F-04	6.409F-01
2.00	2.00	3.50	3.735F-02	8.981F-05	6.676F-01
2.00	2.00	3.75	3.786F-02	7.366F-05	6.939F-01
2.00	2.00	4.00	3.809F-02	6.062F-05	7.197F-01
2.00	2.00	4.25	3.810F-02	5.009F-05	7.450F-01
2.00	2.00	4.50	3.794F-02	4.157F-05	7.700F-01
2.00	2.00	4.75	3.764F-02	3.466F-05	7.945F-01
2.00	2.00	5.00	3.724F-02	2.903F-05	8.187F-01
2.00	2.00	5.25	3.677F-02	2.442F-05	8.425F-01
2.00	2.00	5.50	3.623F-02	2.064F-05	8.659E-01
2.00	2.00	5.75	3.566F-02	1.752F-05	8.890E-01
2.00	2.00	6.00	3.505F-02	1.494F-05	9.117E-01

τ_1^*	γ_0	θ_0	h	k_0	k_1
2.00	2.20	2.00	2.850F-02	4.907F-04	5.233E-01
2.00	2.20	2.25	3.434F-02	4.320E-04	5.539F-01
2.00	2.20	2.50	3.890E-02	3.661E-04	5.838E-01
2.00	2.20	2.75	4.234E-02	3.045E-04	6.131E-01
2.00	2.20	3.00	4.486E-02	2.510E-04	6.418E-01
2.00	2.20	3.25	4.665E-02	2.062E-04	6.700E-01
2.00	2.20	3.50	4.786E-02	1.694F-04	6.977E-01
2.00	2.20	3.75	4.860F-02	1.394E-04	7.248E-01
2.00	2.20	4.00	4.897F-02	1.151E-04	7.515E-01
2.00	2.20	4.25	4.905F-02	9.540E-05	7.777E-01
2.00	2.20	4.50	4.890F-02	7.940E-05	8.035E-01
2.00	2.20	4.75	4.858F-02	6.636E-05	8.289F-01
2.00	2.20	5.00	4.812E-02	5.570E-05	8.539F-01
2.00	2.20	5.25	4.755F-02	4.697E-05	8.785F-01
2.00	2.20	5.50	4.691F-02	3.977E-05	9.028E-01
2.00	2.20	5.75	4.620E-02	3.383E-05	9.267E-01
2.00	2.20	6.00	4.546E-02	2.889E-05	9.503E-01
2.00	2.40	2.00	3.303F-02	7.790E-04	5.412E-01
2.00	2.40	2.25	4.103F-02	6.906E-04	5.722E-01
2.00	2.40	2.50	4.660F-02	5.888E-04	6.027E-01
2.00	2.40	2.75	5.085F-02	4.923E-04	6.325E-01
2.00	2.40	3.00	5.401F-02	4.076F-04	6.618E-01
2.00	2.40	3.25	5.633F-02	3.362F-04	6.905E-01
2.00	2.40	3.50	5.782E-02	2.772F-04	7.186E-01
2.00	2.40	3.75	5.881F-02	2.289E-04	7.463F-01
2.00	2.40	4.00	5.934E-02	1.896E-04	7.735F-01
2.00	2.40	4.25	5.952E-02	1.575E-04	8.003E-01
2.00	2.40	4.50	5.941F-02	1.314F-04	8.266E-01
2.00	2.40	4.75	5.908E-02	1.101E-04	8.525E-01
2.00	2.40	5.00	5.858E-02	9.262E-05	8.781E-01
2.00	2.40	5.25	5.795E-02	7.825E-05	9.033E-01
2.00	2.40	5.50	5.721F-02	6.639F-05	9.280E-01
2.00	2.40	5.75	5.640F-02	5.656F-05	9.525E-01
2.00	2.40	6.00	5.553F-02	4.838F-05	9.766E-01
2.00	2.60	2.00	3.885E-02	1.124E-03	5.545F-01
2.00	2.60	2.25	4.713F-02	1.003E-03	5.857F-01
2.00	2.60	2.50	5.367F-02	8.598F-04	6.164F-01
2.00	2.60	2.75	5.870F-02	7.223F-04	6.465E-01
2.00	2.60	3.00	6.247F-02	6.006F-04	6.760F-01
2.00	2.60	3.25	6.520F-02	4.973F-04	7.050E-01
2.00	2.60	3.50	6.711F-02	4.114E-04	7.335E-01
2.00	2.60	3.75	6.835F-02	3.407E-04	7.615F-01
2.00	2.60	4.00	6.906F-02	2.829F-04	7.890E-01
2.00	2.60	4.25	6.935F-02	2.357E-04	8.160E-01
2.00	2.60	4.50	6.931F-02	1.971F-04	8.427F-01
2.00	2.60	4.75	6.899F-02	1.655F-04	8.689F-01
2.00	2.60	5.00	6.847E-02	1.395E-04	8.948E-01
2.00	2.60	5.25	6.779F-02	1.181F-04	9.203F-01
2.00	2.60	5.50	6.698E-02	1.003E-04	9.454F-01
2.00	2.60	5.75	6.608F-02	8.561E-05	9.702F-01
2.00	2.60	6.00	6.511E-02	7.333F-05	9.946E-01

T_1^*	γ_0	θ_0	h	k_e	k_d
2.00	2.80	2.00	4.327E-02	1.515E-03	5.644E-01
2.00	2.80	2.25	5.264E-02	1.360E-03	5.957E-01
2.00	2.80	2.50	6.009F-02	1.172E-03	6.265F-01
2.00	2.80	2.75	6.587F-02	9.886F-04	6.567F-01
2.00	2.80	3.00	7.023F-02	8.252E-04	6.863E-01
2.00	2.80	3.25	7.343F-02	6.856F-04	7.155F-01
2.00	2.80	3.50	7.569F-02	5.689F-04	7.441F-01
2.00	2.80	3.75	7.719F-02	4.725F-04	7.722F-01
2.00	2.80	4.00	7.809E-02	3.934E-04	7.999F-01
2.00	2.80	4.25	7.851E-02	3.285E-04	8.271E-01
2.00	2.80	4.50	7.853F-02	2.753E-04	8.539F-01
2.00	2.80	4.75	7.825E-02	2.316E-04	8.803E-01
2.00	2.80	5.00	7.773E-02	1.955E-04	9.064E-01
2.00	2.80	5.25	7.702E-02	1.658F-04	9.320E-01
2.00	2.80	5.50	7.616F-02	1.411E-04	9.573E-01
2.00	2.80	5.75	7.519F-02	1.206F-04	9.823F-01
2.00	2.80	6.00	7.413F-02	1.034E-04	1.007F 00

2.00	3.00	2.00	4.722F-02	1.940F-03	5.720F-01
2.00	3.00	2.25	5.760F-02	1.751E-03	6.033F-01
2.00	3.00	2.50	6.590E-02	1.516E-03	6.340E-01
2.00	3.00	2.75	7.238F-02	1.285F-03	6.642E-01
2.00	3.00	3.00	7.731E-02	1.076E-03	6.938F-01
2.00	3.00	3.25	8.096E-02	8.970E-04	7.230E-01
2.00	3.00	3.50	8.357F-02	7.465E-04	7.516E-01
2.00	3.00	3.75	8.534E-02	6.216E-04	7.798F-01
2.00	3.00	4.00	8.643E-02	5.187F-04	8.075F-01
2.00	3.00	4.25	8.698F-02	4.341F-04	8.348F-01
2.00	3.00	4.50	8.709F-02	3.645F-04	8.617F-01
2.00	3.00	4.75	8.686F-02	3.072F-04	8.882F-01
2.00	3.00	5.00	8.675E-02	2.598F-04	9.143F-01
2.00	3.00	5.25	8.562E-02	2.206F-04	9.400F-01
2.00	3.00	5.50	8.472F-02	1.881F-04	9.654E-01
2.00	3.00	5.75	8.370F-02	1.609F-04	9.904E-01
2.00	3.00	6.00	8.257F-02	1.382F-04	1.015E 00

2.00	3.50	2.00	5.530E-02	3.094E-03	5.841E-01
2.00	3.50	2.25	6.787E-02	2.826E-03	6.150F-01
2.00	3.50	2.50	7.806F-02	2.473E-03	6.454F-01
2.00	3.50	2.75	8.612F-02	2.115F-03	6.753F-01
2.00	3.50	3.00	9.234F-02	1.786F-03	7.047F-01
2.00	3.50	3.25	9.704F-02	1.500F-03	7.336F-01
2.00	3.50	3.50	1.005F-01	1.256F-03	7.621F-01
2.00	3.50	3.75	1.029F-01	1.052F-03	7.901F-01
2.00	3.50	4.00	1.045E-01	8.827E-04	8.177E-01
2.00	3.50	4.25	1.054F-01	7.423F-04	8.449F-01
2.00	3.50	4.50	1.058E-01	6.260F-04	8.717E-01
2.00	3.50	4.75	1.057F-01	5.297F-04	8.981E-01
2.00	3.50	5.00	1.052F-01	4.498E-04	9.241E-01
2.00	3.50	5.25	1.045F-01	3.832F-04	9.498E-01
2.00	3.50	5.50	1.036F-01	3.277E-04	9.752F-01
2.00	3.50	5.75	1.025F-01	2.813F-04	1.000F 00
2.00	3.50	6.00	1.013F-01	2.423F-04	1.025F 00

τ_1^*	γ_0	θ_0	h	k_s	k_d
2.00	4.00	2.00	6.136E-02	4.290E-03	5.906E-01
2.00	4.00	2.25	7.570E-02	3.962E-03	6.209E-01
2.00	4.00	2.50	8.746E-02	3.498E-03	6.508E-01
2.00	4.00	2.75	9.686E-02	3.016E-03	6.802E-01
2.00	4.00	3.00	1.042E-01	2.565E-03	7.092E-01
2.00	4.00	3.25	1.098E-01	2.167E-03	7.377E-01
2.00	4.00	3.50	1.141E-01	1.825E-03	7.658E-01
2.00	4.00	3.75	1.171E-01	1.536E-03	7.935E-01
2.00	4.00	4.00	1.191E-01	1.295E-03	8.208E-01
2.00	4.00	4.25	1.204E-01	1.093E-03	8.477E-01
2.00	4.00	4.50	1.211E-01	9.256E-04	8.742E-01
2.00	4.00	4.75	1.212E-01	7.860E-04	9.003E-01
2.00	4.00	5.00	1.209E-01	6.695E-04	9.261E-01
2.00	4.00	5.25	1.202E-01	5.722E-04	9.515E-01
2.00	4.00	5.50	1.193E-01	4.907E-04	9.767E-01
2.00	4.00	5.75	1.182E-01	4.223E-04	1.001E 00
2.00	4.00	6.00	1.169E-01	3.647E-04	1.026E 00
2.00	4.50	2.00	6.593E-02	5.463E-03	5.940E-01
2.00	4.50	2.25	8.171E-02	5.092E-03	6.236E-01
2.00	4.50	2.50	9.477E-02	4.533E-03	6.530E-01
2.00	4.50	2.75	1.053E-01	3.935E-03	6.819E-01
2.00	4.50	3.00	1.137E-01	3.368E-03	7.104E-01
2.00	4.50	3.25	1.201E-01	2.860E-03	7.384E-01
2.00	4.50	3.50	1.250E-01	2.421E-03	7.661E-01
2.00	4.50	3.75	1.286E-01	2.047E-03	7.934E-01
2.00	4.50	4.00	1.311E-01	1.732E-03	8.203E-01
2.00	4.50	4.25	1.328E-01	1.468E-03	8.468E-01
2.00	4.50	4.50	1.337E-01	1.247E-03	8.729E-01
2.00	4.50	4.75	1.340E-01	1.062E-03	8.988E-01
2.00	4.50	5.00	1.339E-01	9.073E-04	9.242E-01
2.00	4.50	5.25	1.334E-01	7.775E-04	9.494E-01
2.00	4.50	5.50	1.325E-01	6.684E-04	9.742E-01
2.00	4.50	5.75	1.314E-01	5.766E-04	9.987E-01
2.00	4.50	6.00	1.301E-01	4.989E-04	1.023E 00
2.00	5.00	2.00	6.940E-02	6.577E-03	5.956E-01
2.00	5.00	2.25	8.636E-02	6.182E-03	6.247E-01
2.00	5.00	2.50	1.005E-01	5.543E-03	6.534E-01
2.00	5.00	2.75	1.121E-01	4.842E-03	6.818E-01
2.00	5.00	3.00	1.213E-01	4.166E-03	7.098E-01
2.00	5.00	3.25	1.285E-01	3.556E-03	7.374E-01
2.00	5.00	3.50	1.340E-01	3.023E-03	7.647E-01
2.00	5.00	3.75	1.381E-01	2.566E-03	7.915E-01
2.00	5.00	4.00	1.411E-01	2.179E-03	8.180E-01
2.00	5.00	4.25	1.431E-01	1.853E-03	8.441E-01
2.00	5.00	4.50	1.443E-01	1.578E-03	8.699E-01
2.00	5.00	4.75	1.448E-01	1.348E-03	8.954E-01
2.00	5.00	5.00	1.448E-01	1.155E-03	9.205E-01
2.00	5.00	5.25	1.444E-01	9.917E-04	9.453E-01
2.00	5.00	5.50	1.437E-01	8.545E-04	9.698E-01
2.00	5.00	5.75	1.426E-01	7.386E-04	9.939E-01
2.00	5.00	6.00	1.413E-01	6.403E-04	1.018E 00

T_1^*	γ_0	θ_0	h	k_0	k_d
2.00	6.00	2.00	7.410E-02	8.584E-03	5.963E-01
2.00	6.00	2.25	9.287E-02	8.184E-03	6.242E-01
2.00	6.00	2.50	1.088E-01	7.429E-03	6.519E-01
2.00	6.00	2.75	1.219E-01	6.558E-03	6.793E-01
2.00	6.00	3.00	1.325E-01	5.697E-03	7.063E-01
2.00	6.00	3.25	1.410E-01	4.903E-03	7.331E-01
2.00	6.00	3.50	1.476E-01	4.199E-03	7.595E-01
2.00	6.00	3.75	1.526E-01	3.588E-03	7.855E-01
2.00	6.00	4.00	1.563E-01	3.066E-03	8.112E-01
2.00	6.00	4.25	1.590E-01	2.621E-03	8.366E-01
2.00	6.00	4.50	1.607E-01	2.244E-03	8.616E-01
2.00	6.00	4.75	1.617E-01	1.926E-03	8.864E-01
2.00	6.00	5.00	1.621E-01	1.657E-03	9.108E-01
2.00	6.00	5.25	1.619E-01	1.429E-03	9.350E-01
2.00	6.00	5.50	1.614E-01	1.236E-03	9.588E-01
2.00	6.00	5.75	1.605E-01	1.072E-03	9.824E-01
2.00	6.00	6.00	1.593E-01	9.322E-04	1.006E 00
2.00	8.00	2.00	7.858E-02	1.173E-02	5.938E-01
2.00	8.00	2.25	9.958E-02	1.144E-02	6.199E-01
2.00	8.00	2.50	1.177E-01	1.058E-02	6.458E-01
2.00	8.00	2.75	1.330E-01	9.493E-03	6.716E-01
2.00	8.00	3.00	1.457E-01	8.366E-03	6.971E-01
2.00	8.00	3.25	1.559E-01	7.293E-03	7.223E-01
2.00	8.00	3.50	1.642E-01	6.319E-03	7.473E-01
2.00	8.00	3.75	1.707E-01	5.456E-03	7.720E-01
2.00	8.00	4.00	1.757E-01	4.705E-03	7.964E-01
2.00	8.00	4.25	1.794E-01	4.058E-03	8.205E-01
2.00	8.00	4.50	1.821E-01	3.502E-03	8.443E-01
2.00	8.00	4.75	1.839E-01	3.027E-03	8.679E-01
2.00	8.00	5.00	1.849E-01	2.621E-03	8.912E-01
2.00	8.00	5.25	1.853E-01	2.275E-03	9.142E-01
2.00	8.00	5.50	1.852E-01	1.979E-03	9.370E-01
2.00	8.00	5.75	1.846E-01	1.725E-03	9.595E-01
2.00	8.00	6.00	1.837E-01	1.508E-03	9.817E-01
2.00	10.00	2.00	8.007E-02	1.400E-02	5.903E-01
2.00	10.00	2.25	1.023E-01	1.387E-02	6.150E-01
2.00	10.00	2.50	1.218E-01	1.301E-02	6.397E-01
2.00	10.00	2.75	1.385E-01	1.182E-02	6.642E-01
2.00	10.00	3.00	1.525E-01	1.053E-02	6.885E-01
2.00	10.00	3.25	1.641E-01	9.273E-03	7.126E-01
2.00	10.00	3.50	1.735E-01	8.104E-03	7.365E-01
2.00	10.00	3.75	1.811E-01	7.052E-03	7.601E-01
2.00	10.00	4.00	1.870E-01	6.125E-03	7.835E-01
2.00	10.00	4.25	1.916E-01	5.316E-03	8.066E-01
2.00	10.00	4.50	1.950E-01	4.615E-03	8.295E-01
2.00	10.00	4.75	1.975E-01	4.011E-03	8.521E-01
2.00	10.00	5.00	1.991E-01	3.491E-03	8.745E-01
2.00	10.00	5.25	2.000E-01	3.044E-03	8.967E-01
2.00	10.00	5.50	2.003E-01	2.659E-03	9.186E-01
2.00	10.00	5.75	2.001E-01	2.328E-03	9.402E-01
2.00	10.00	6.00	1.995E-01	2.043E-03	9.617E-01

T_1^*	y_0	θ_0	h	k_e	k_d
2.00	20.00	2.00	7.785E-02	1.935F-02	5.775E-01
2.00	20.00	2.25	1.019F-01	2.011E-02	5.985F-01
2.00	20.00	2.50	1.240F-01	1.966E-02	6.196F-01
2.00	20.00	2.75	1.436F-01	1.852E-02	6.406E-01
2.00	20.00	3.00	1.606F-01	1.703E-02	6.617F-01
2.00	20.00	3.25	1.753F-01	1.541F-02	6.826F-01
2.00	20.00	3.50	1.878F-01	1.381F-02	7.035F-01
2.00	20.00	3.75	1.982F-01	1.230F-02	7.242F-01
2.00	20.00	4.00	2.069E-01	1.090F-02	7.447F-01
2.00	20.00	4.25	2.140F-01	9.644F-03	7.650F-01
2.00	20.00	4.50	2.198F-01	8.519F-03	7.852F-01
2.00	20.00	4.75	2.243F-01	7.522F-03	8.052E-01
2.00	20.00	5.00	2.279F-01	6.644E-03	8.251F-01
2.00	20.00	5.25	2.305E-01	5.872E-03	8.447E-01
2.00	20.00	5.50	2.323E-01	5.196E-03	8.642F-01
2.00	20.00	5.75	2.335F-01	4.604F-03	8.835F-01
2.00	20.00	6.00	2.341F-01	4.085F-03	9.027F-01

2.00	40.00	2.00	7.106F-02	2.221F-02	5.661F-01
2.00	40.00	2.25	9.511F-02	2.406F-02	5.842F-01
2.00	40.00	2.50	1.179F-01	2.439F-02	6.025F-01
2.00	40.00	2.75	1.387F-01	2.370F-02	6.210F-01
2.00	40.00	3.00	1.575F-01	2.241F-02	6.394F-01
2.00	40.00	3.25	1.741F-01	2.080F-02	6.579F-01
2.00	40.00	3.50	1.887F-01	1.906F-02	6.763F-01
2.00	40.00	3.75	2.013F-01	1.732E-02	6.946F-01
2.00	40.00	4.00	2.121F-01	1.564E-02	7.129F-01
2.00	40.00	4.25	2.213F-01	1.407F-02	7.310F-01
2.00	40.00	4.50	2.290F-01	1.262F-02	7.490F-01
2.00	40.00	4.75	2.355F-01	1.131F-02	7.670F-01
2.00	40.00	5.00	2.408F-01	1.012F-02	7.847F-01
2.00	40.00	5.25	2.451F-01	9.054F-03	8.024F-01
2.00	40.00	5.50	2.485F-01	8.103F-03	8.199F-01
2.00	40.00	5.75	2.512F-01	7.257F-03	8.373F-01
2.00	40.00	6.00	2.531F-01	6.505F-03	8.545E-01

2.00	60.00	2.00	6.661F-02	2.301E-02	5.607E-01
2.00	60.00	2.25	9.018F-02	2.548F-02	5.774F-01
2.00	60.00	2.50	1.129F-01	2.631F-02	5.944F-01
2.00	60.00	2.75	1.340F-01	2.600F-02	6.115F-01
2.00	60.00	3.00	1.533F-01	2.495F-02	6.287F-01
2.00	60.00	3.25	1.706F-01	2.347F-02	6.460F-01
2.00	60.00	3.50	1.860F-01	2.176F-02	6.632F-01
2.00	60.00	3.75	1.996F-01	1.999F-02	6.804F-01
2.00	60.00	4.00	2.114F-01	1.823F-02	6.976F-01
2.00	60.00	4.25	2.216F-01	1.654F-02	7.147F-01
2.00	60.00	4.50	2.303F-01	1.497F-02	7.316F-01
2.00	60.00	4.75	2.377F-01	1.351E-02	7.485F-01
2.00	60.00	5.00	2.440F-01	1.217F-02	7.653F-01
2.00	60.00	5.25	2.492F-01	1.097F-02	7.820F-01
2.00	60.00	5.50	2.535F-01	9.875F-03	7.986E-01
2.00	60.00	5.75	2.569F-01	8.895F-03	8.150F-01
2.00	60.00	6.00	2.596F-01	8.016F-03	8.313F-01

T_1^*	γ_0	θ_0	h	k_0	k_d
2.00	100.00	2.00	6.117F-02	2.341F-02	5.548F-01
2.00	100.00	2.25	8.388F-02	2.657F-02	5.701F-01
2.00	100.00	2.50	1.062F-01	2.803F-02	5.857F-01
2.00	100.00	2.75	1.273F-01	2.824F-02	6.015F-01
2.00	100.00	3.00	1.470F-01	2.756F-02	6.174F-01
2.00	100.00	3.25	1.649F-01	2.632F-02	6.333F-01
2.00	100.00	3.50	1.811F-01	2.475F-02	6.493F-01
2.00	100.00	3.75	1.955F-01	2.301F-02	6.653F-01
2.00	100.00	4.00	2.083F-01	2.123F-02	6.812F-01
2.00	100.00	4.25	2.195F-01	1.947F-02	6.971F-01
2.00	100.00	4.50	2.293F-01	1.778F-02	7.130F-01
2.00	100.00	4.75	2.378F-01	1.620F-02	7.287F-01
2.00	100.00	5.00	2.451F-01	1.472F-02	7.444F-01
2.00	100.00	5.25	2.514F-01	1.336F-02	7.600F-01
2.00	100.00	5.50	2.566F-01	1.212F-02	7.756F-01
2.00	100.00	5.75	2.610F-01	1.099F-02	7.910F-01
2.00	100.00	6.00	2.646F-01	9.966F-03	8.063F-01
5.00	1.10	2.00	1.710F-04	2.141F-09	1.153F-01
5.00	1.10	2.25	2.027F-04	1.832F-09	1.220F-01
5.00	1.10	2.50	2.263F-04	1.514F-09	1.286F-01
5.00	1.10	2.75	2.433F-04	1.231F-09	1.350F-01
5.00	1.10	3.00	2.550F-04	9.937F-10	1.414F-01
5.00	1.10	3.25	2.625F-04	8.010F-10	1.476F-01
5.00	1.10	3.50	2.667F-04	6.464F-10	1.537F-01
5.00	1.10	3.75	2.685F-04	5.231F-10	1.597F-01
5.00	1.10	4.00	2.683F-04	4.250F-10	1.657F-01
5.00	1.10	4.25	2.666F-04	3.470F-10	1.715F-01
5.00	1.10	4.50	2.639F-04	2.847F-10	1.773F-01
5.00	1.10	4.75	2.603F-04	2.347E-10	1.829F-01
5.00	1.10	5.00	2.562F-04	1.945F-10	1.885F-01
5.00	1.10	5.25	2.516F-04	1.620F-10	1.940F-01
5.00	1.10	5.50	2.467F-04	1.355F-10	1.995F-01
5.00	1.10	5.75	2.415F-04	1.139F-10	2.049F-01
5.00	1.10	6.00	2.363F-04	9.621F-11	2.102F-01
5.00	1.20	2.00	1.028F-03	1.487F-07	2.017F-01
5.00	1.20	2.25	1.223F-03	1.280F-07	2.133F-01
5.00	1.20	2.50	1.370F-03	1.064F-07	2.246F-01
5.00	1.20	2.75	1.476F-03	8.698F-08	2.357F-01
5.00	1.20	3.00	1.550F-03	7.055F-08	2.466F-01
5.00	1.20	3.25	1.599F-03	5.710F-08	2.573F-01
5.00	1.20	3.50	1.628F-03	4.625F-08	2.678F-01
5.00	1.20	3.75	1.641F-03	3.755F-08	2.782F-01
5.00	1.20	4.00	1.642F-03	3.061F-08	2.885F-01
5.00	1.20	4.25	1.634F-03	2.505F-08	2.986F-01
5.00	1.20	4.50	1.619F-03	2.061F-08	3.086F-01
5.00	1.20	4.75	1.599F-03	1.703F-08	3.183F-01
5.00	1.20	5.00	1.576F-03	1.415F-08	3.280F-01
5.00	1.20	5.25	1.549F-03	1.180F-08	3.375F-01
5.00	1.20	5.50	1.520F-03	9.896F-09	3.469F-01
5.00	1.20	5.75	1.490F-03	8.334F-09	3.562F-01
5.00	1.20	6.00	1.459F-03	7.050F-09	3.654F-01

T_1^*	r_0	θ_0	h	k_0	k_d
5.00	1.40	2.00	4.957E-03	6.421E-06	3.196E-01
5.00	1.40	2.25	5.930E-03	5.596E-06	3.374E-01
5.00	1.40	2.50	6.673E-03	4.700E-06	3.548E-01
5.00	1.40	2.75	7.222E-03	3.876E-06	3.719E-01
5.00	1.40	3.00	7.614E-03	3.170E-06	3.887E-01
5.00	1.40	3.25	7.880E-03	2.584E-06	4.052E-01
5.00	1.40	3.50	8.047E-03	2.106E-06	4.215E-01
5.00	1.40	3.75	8.135E-03	1.721E-06	4.376E-01
5.00	1.40	4.00	8.163E-03	1.410E-06	4.535E-01
5.00	1.40	4.25	8.143E-03	1.160E-06	4.691E-01
5.00	1.40	4.50	8.087E-03	9.585E-07	4.845E-01
5.00	1.40	4.75	8.003E-03	7.956E-07	4.997E-01
5.00	1.40	5.00	7.898E-03	6.634E-07	5.146E-01
5.00	1.40	5.25	7.778E-03	5.556E-07	5.294E-01
5.00	1.40	5.50	7.645E-03	4.674E-07	5.440E-01
5.00	1.40	5.75	7.505E-03	3.949E-07	5.584E-01
5.00	1.40	6.00	7.358E-03	3.350E-07	5.726E-01
5.00	1.60	2.00	1.077E-02	4.268E-05	3.937E-01
5.00	1.60	2.25	1.295E-02	3.759E-05	4.150E-01
5.00	1.60	2.50	1.463E-02	3.186E-05	4.359E-01
5.00	1.60	2.75	1.590E-02	2.648E-05	4.564E-01
5.00	1.60	3.00	1.682E-02	2.181E-05	4.766E-01
5.00	1.60	3.25	1.746E-02	1.789E-05	4.965E-01
5.00	1.60	3.50	1.787E-02	1.467E-05	5.161E-01
5.00	1.60	3.75	1.812E-02	1.204E-05	5.354E-01
5.00	1.60	4.00	1.822E-02	9.915E-06	5.545E-01
5.00	1.60	4.25	1.821E-02	8.193E-06	5.734E-01
5.00	1.60	4.50	1.812E-02	6.797E-06	5.919E-01
5.00	1.60	4.75	1.796E-02	5.663E-06	6.102E-01
5.00	1.60	5.00	1.776E-02	4.738E-06	6.283E-01
5.00	1.60	5.25	1.751E-02	3.981E-06	6.461E-01
5.00	1.60	5.50	1.724E-02	3.359E-06	6.637E-01
5.00	1.60	5.75	1.695E-02	2.846E-06	6.811E-01
5.00	1.60	6.00	1.664E-02	2.420E-06	6.984E-01
5.00	1.80	2.00	1.729E-02	1.388E-04	4.428E-01
5.00	1.80	2.25	2.088E-02	1.234E-04	4.662E-01
5.00	1.80	2.50	2.369E-02	1.054E-04	4.891E-01
5.00	1.80	2.75	2.582E-02	8.824E-05	5.116E-01
5.00	1.80	3.00	2.739E-02	7.311E-05	5.338E-01
5.00	1.80	3.25	2.851E-02	6.031E-05	5.557E-01
5.00	1.80	3.50	2.927E-02	4.970E-05	5.773E-01
5.00	1.80	3.75	2.973E-02	4.099E-05	5.986E-01
5.00	1.80	4.00	2.995E-02	3.389E-05	6.196E-01
5.00	1.80	4.25	3.000E-02	2.811E-05	6.404E-01
5.00	1.80	4.50	2.990E-02	2.340E-05	6.609E-01
5.00	1.80	4.75	2.969E-02	1.956E-05	6.811E-01
5.00	1.80	5.00	2.939E-02	1.642E-05	7.010E-01
5.00	1.80	5.25	2.903E-02	1.383E-05	7.207E-01
5.00	1.80	5.50	2.861E-02	1.170E-05	7.401E-01
5.00	1.80	5.75	2.815E-02	9.939E-06	7.594E-01
5.00	1.80	6.00	2.767E-02	8.473E-06	7.784E-01

T_1^*	γ_0	θ_0	h	k_e	k_d
5.00	2.00	2.00	2.382E-02	3.133E-04	4.766E-01
5.00	2.00	2.25	2.888E-02	2.808E-04	5.012E-01
5.00	2.00	2.50	3.287E-02	2.416E-04	5.254E-01
5.00	2.00	2.75	3.594E-02	2.036E-04	5.491E-01
5.00	2.00	3.00	3.823E-02	1.696E-04	5.725E-01
5.00	2.00	3.25	3.989E-02	1.406E-04	5.956E-01
5.00	2.00	3.50	4.103E-02	1.164E-04	6.184E-01
5.00	2.00	3.75	4.176E-02	9.640E-05	6.409E-01
5.00	2.00	4.00	4.215E-02	8.000E-05	6.631E-01
5.00	2.00	4.25	4.229E-02	6.658E-05	6.851E-01
5.00	2.00	4.50	4.221E-02	5.561E-05	7.067E-01
5.00	2.00	4.75	4.198E-02	4.662E-05	7.281E-01
5.00	2.00	5.00	4.161E-02	3.923E-05	7.492E-01
5.00	2.00	5.25	4.114E-02	3.314E-05	7.700E-01
5.00	2.00	5.50	4.059E-02	2.810E-05	7.906E-01
5.00	2.00	5.75	3.999E-02	2.392E-05	8.109E-01
5.00	2.00	6.00	3.934E-02	2.044E-05	8.311E-01
5.00	2.20	2.00	3.000E-02	5.701E-04	5.007E-01
5.00	2.20	2.25	3.650E-02	5.149E-04	5.260E-01
5.00	2.20	2.50	4.168E-02	4.460E-04	5.509E-01
5.00	2.20	2.75	4.569E-02	3.779E-04	5.753E-01
5.00	2.20	3.00	4.873E-02	3.164E-04	5.994E-01
5.00	2.20	3.25	5.095E-02	2.635E-04	6.232E-01
5.00	2.20	3.50	5.2*1E-02	2.190E-04	6.467E-01
5.00	2.20	3.75	5.354E-02	1.821E-04	6.700E-01
5.00	2.20	4.00	5.413E-02	1.516E-04	6.929E-01
5.00	2.20	4.25	5.438E-02	1.266E-04	7.156E-01
5.00	2.20	4.50	5.436E-02	1.060E-04	7.380E-01
5.00	2.20	4.75	5.413E-02	8.913E-05	7.600E-01
5.00	2.20	5.00	5.372E-02	7.519E-05	7.819E-01
5.00	2.20	5.25	5.317E-02	6.366E-05	8.034E-01
5.00	2.20	5.50	5.252E-02	5.410E-05	8.247E-01
5.00	2.20	5.75	5.179E-02	4.614E-05	8.458E-01
5.00	2.20	6.00	5.100E-02	3.949E-05	8.666E-01
5.00	2.40	2.00	3.567E-02	9.031E-04	5.183E-01
5.00	2.40	2.25	4.355E-02	8.212E-04	5.440E-01
5.00	2.40	2.50	4.987E-02	7.156E-04	5.692E-01
5.00	2.40	2.75	5.481E-02	6.095E-04	5.941E-01
5.00	2.40	3.00	5.858E-02	5.128E-04	6.186E-01
5.00	2.40	3.25	6.138E-02	4.288E-04	6.428E-01
5.00	2.40	3.50	6.337E-02	3.577E-04	6.667E-01
5.00	2.40	3.75	6.471E-02	2.984E-04	6.904E-01
5.00	2.40	4.00	6.553E-02	2.492E-04	7.138E-01
5.00	2.40	4.25	6.593E-02	2.087E-04	7.369E-01
5.00	2.40	4.50	6.599E-02	1.753E-04	7.597E-01
5.00	2.40	4.75	6.578E-02	1.477E-04	7.822E-01
5.00	2.40	5.00	6.535E-02	1.249E-04	8.044E-01
5.00	2.40	5.25	6.475E-02	1.059E-04	8.264E-01
5.00	2.40	5.50	6.402E-02	9.020E-05	8.482E-01
5.00	2.40	5.75	6.318E-02	7.708E-05	8.697E-01
5.00	2.40	6.00	6.227E-02	6.609E-05	8.910E-01

T_1^*	γ_0	θ_0	h	k_c	k_d
5.00	2.60	2.00	4.080F-02	1.301F-03	5.315F-01
5.00	2.60	2.25	4.996F-02	1.190F-03	5.573F-01
5.00	2.60	2.50	5.737F-02	1.043F-03	5.827F-01
5.00	2.60	2.75	6.320F-02	8.925F-04	6.078F-01
5.00	2.60	3.00	6.768F-02	7.541F-04	6.325F-01
5.00	2.60	3.25	7.104F-02	6.330F-04	6.569F-01
5.00	2.60	3.50	7.347F-02	5.299F-04	6.811F-01
5.00	2.60	3.75	7.514F-02	4.434F-04	7.049F-01
5.00	2.60	4.00	7.620F-02	3.714F-04	7.285F-01
5.00	2.60	4.25	7.676F-02	3.118F-04	7.519F-01
5.00	2.60	4.50	7.692F-02	2.625F-04	7.749F-01
5.00	2.60	4.75	7.675F-02	2.217F-04	7.977F-01
5.00	2.60	5.00	7.633F-02	1.878F-04	8.202F-01
5.00	2.60	5.25	7.570F-02	1.597F-04	8.424F-01
5.00	2.60	5.50	7.491F-02	1.362F-04	8.644F-01
5.00	2.60	5.75	7.400F-02	1.166F-04	8.862F-01
5.00	2.60	6.00	7.298F-02	1.001F-04	9.077F-01
5.00	2.80	2.00	4.539F-02	1.749F-03	5.414F-01
5.00	2.80	2.25	5.574F-02	1.610E-03	5.672F-01
5.00	2.80	2.50	6.416F-02	1.418F-03	5.927F-01
5.00	2.80	2.75	7.084F-02	1.219F-03	6.178F-01
5.00	2.80	3.00	7.601F-02	1.034F-03	6.426F-01
5.00	2.80	3.25	7.992F-02	8.712E-04	6.671F-01
5.00	2.80	3.50	8.278F-02	7.316E-04	6.914E-01
5.00	2.80	3.75	8.478F-02	6.140E-04	7.154E-01
5.00	2.80	4.00	8.608F-02	5.157F-04	7.391F-01
5.00	2.80	4.25	8.682F-02	4.339F-04	7.625F-01
5.00	2.80	4.50	8.709F-02	3.661F-04	7.857F-01
5.00	2.80	4.75	8.699F-02	3.098F-04	8.086F-01
5.00	2.80	5.00	8.659F-02	2.630F-04	8.312F-01
5.00	2.80	5.25	8.596F-02	2.240F-04	8.536F-01
5.00	2.80	5.50	8.513F-02	1.914E-04	8.757F-01
5.00	2.80	5.75	8.415F-02	1.641F-04	8.976F-01
5.00	2.80	6.00	8.305E-02	1.411E-04	9.193F-01
5.00	3.00	2.00	4.948F-02	2.236F-03	5.490F-01
5.00	3.00	2.25	6.093F-02	2.070F-03	5.748F-01
5.00	3.00	2.50	7.030F-02	1.832F-03	6.002F-01
5.00	3.00	2.75	7.777F-02	1.581F-03	6.253F-01
5.00	3.00	3.00	8.359F-02	1.346F-03	6.501F-01
5.00	3.00	3.25	8.803F-02	1.138F-03	6.746F-01
5.00	3.00	3.50	9.131F-02	9.584F-04	6.989F-01
5.00	3.00	3.75	9.364F-02	8.065F-04	7.229F-01
5.00	3.00	4.00	9.519F-02	6.790F-04	7.466F-01
5.00	3.00	4.25	9.611F-02	5.727F-04	7.701F-01
5.00	3.00	4.50	9.651F-02	4.842F-04	7.933F-01
5.00	3.00	4.75	9.649F-02	4.105F-04	8.162E-01
5.00	3.00	5.00	9.613F-02	3.491F-04	8.389F-01
5.00	3.00	5.25	9.550F-02	2.978F-04	8.613F-01
5.00	3.00	5.50	9.465F-02	2.549F-04	8.835F-01
5.00	3.00	5.75	9.363F-02	2.188F-04	9.054F-01
5.00	3.00	6.00	9.247F-02	1.884F-04	9.272F-01

T_1^*	γ_0	θ_0	h	k_c	k_d
5.00	3.50	2.00	5.783F-02	3.551F-03	5.615F-01
5.00	3.50	2.25	7.163F-02	3.327F-03	5.869F-01
5.00	3.50	2.50	8.307F-02	2.976F-03	6.120F-01
5.00	3.50	2.75	9.231F-02	2.593F-03	6.368F-01
5.00	3.50	3.00	9.962F-02	2.226F-03	6.614F-01
5.00	3.50	3.25	1.053F-01	1.895F-03	6.857F-01
5.00	3.50	3.50	1.096F-01	1.607F-03	7.097F-01
5.00	3.50	3.75	1.127F-01	1.360F-03	7.335F-01
5.00	3.50	4.00	1.149F-01	1.152F-03	7.571F-01
5.00	3.50	4.25	1.163F-01	9.762F-04	7.804F-01
5.00	3.50	4.50	1.170F-01	8.292F-04	8.034F-01
5.00	3.50	4.75	1.172F-01	7.061F-04	8.263F-01
5.00	3.50	5.00	1.170F-01	6.028F-04	8.488F-01
5.00	3.50	5.25	1.165F-01	5.162F-04	8.711F-01
5.00	3.50	5.50	1.156F-01	4.433F-04	8.932F-01
5.00	3.50	5.75	1.145F-01	3.818F-04	9.151F-01
5.00	3.50	6.00	1.133F-01	3.298F-04	9.368F-01
5.00	4.00	2.00	6.404F-02	4.908F-03	5.684F-01
5.00	4.00	2.25	7.973F-02	4.647F-03	5.933F-01
5.00	4.00	2.50	9.288F-02	4.194F-03	6.180F-01
5.00	4.00	2.75	1.036F-01	3.684F-03	6.424F-01
5.00	4.00	3.00	1.122E-01	3.185E-03	6.665F-01
5.00	4.00	3.25	1.190F-01	2.729F-03	6.904F-01
5.00	4.00	3.50	1.241F-01	2.327E-03	7.141F-01
5.00	4.00	3.75	1.280F-01	1.980F-03	7.375F-01
5.00	4.00	4.00	1.308F-01	1.684F-03	7.608F-01
5.00	4.00	4.25	1.326F-01	1.434F-03	7.838E-01
5.00	4.00	4.50	1.337F-01	1.223F-03	8.066E-01
5.00	4.00	4.75	1.342F-01	1.045F-03	8.291E-01
5.00	4.00	5.00	1.342F-01	8.955F-04	8.514F-01
5.00	4.00	5.25	1.338F-01	7.692F-04	8.735F-01
5.00	4.00	5.50	1.330F-01	6.625F-04	8.953F-01
5.00	4.00	5.75	1.320F-01	5.722F-04	9.170F-01
5.00	4.00	6.00	1.307F-01	4.956F-04	9.385F-01
5.00	4.50	2.00	6.869F-02	6.230E-03	5.723F-01
5.00	4.50	2.25	8.591E-02	5.954E-03	5.967F-01
5.00	4.50	2.50	1.005F-01	5.417E-03	6.208F-01
5.00	4.50	2.75	1.125E-01	4.791E-03	6.447F-01
5.00	4.50	3.00	1.222F-01	4.169E-03	6.684F-01
5.00	4.50	3.25	1.299F-01	3.592E-03	6.919F-01
5.00	4.50	3.50	1.359F-01	3.078F-03	7.152F-01
5.00	4.50	3.75	1.404F-01	2.631F-03	7.382F-01
5.00	4.50	4.00	1.437F-01	2.248F-03	7.611F-01
5.00	4.50	4.25	1.461F-01	1.921F-03	7.838F-01
5.00	4.50	4.50	1.475F-01	1.644F-03	8.062F-01
5.00	4.50	4.75	1.483F-01	1.409F-03	8.284F-01
5.00	4.50	5.00	1.485F-01	1.211F-03	8.504E-01
5.00	4.50	5.25	1.482E-01	1.043E-03	8.722E-01
5.00	4.50	5.50	1.476F-01	9.009F-04	8.937F-01
5.00	4.50	5.75	1.466F-01	7.801F-04	9.151F-01
5.00	4.50	6.00	1.453E-01	6.772E-04	9.363F-01

T_1^*	γ_0	θ_0	h	k_e	k_d
5.00	5.00	2.00	7.219F-02	7.481F-03	5.744F-01
5.00	5.00	2.25	9.066F-02	7.208F-03	5.983F-01
5.00	5.00	2.50	1.064F-01	6.605F-03	6.219F-01
5.00	5.00	2.75	1.195F-01	5.879F-03	6.454F-01
5.00	5.00	3.00	1.301E-01	5.143E-03	6.686E-01
5.00	5.00	3.25	1.387E-01	4.454E-03	6.917E-01
5.00	5.00	3.50	1.454E-01	3.834E-03	7.145E-01
5.00	5.00	3.75	1.505F-01	3.291E-03	7.372E-01
5.00	5.00	4.00	1.544F-01	2.821E-03	7.597E-01
5.00	5.00	4.25	1.571E-01	2.419E-03	7.820E-01
5.00	5.00	4.50	1.590E-01	2.077E-03	8.041F-01
5.00	5.00	4.75	1.601E-01	1.786E-03	8.259F-01
5.00	5.00	5.00	1.605E-01	1.539E-03	8.476F-01
5.00	5.00	5.25	1.604F-01	1.329F-03	8.690F-01
5.00	5.00	5.50	1.599F-01	1.150E-03	8.903F-01
5.00	5.00	5.75	1.590E-01	9.979F-04	9.114E-01
5.00	5.00	6.00	1.578E-01	8.680E-04	9.323E-01
5.00	6.00	2.00	7.688E-02	9.716E-03	5.760E-01
5.00	6.00	2.25	9.722F-02	9.495F-03	5.988E-01
5.00	6.00	2.50	1.148F-01	8.808E-03	6.216E-01
5.00	6.00	2.75	1.206F-01	7.924E-03	6.441F-01
5.00	6.00	3.00	1.418F-01	6.998F-03	6.666E-01
5.00	6.00	3.25	1.517F-01	6.112F-03	6.888E-01
5.00	6.00	3.50	1.597F-01	5.302F-03	7.109F-01
5.00	6.00	3.75	1.659F-01	4.582F-03	7.328F-01
5.00	6.00	4.00	1.707F-01	3.953F-03	7.546F-01
5.00	6.00	4.25	1.742F-01	3.409F-03	7.762F-01
5.00	6.00	4.50	1.767F-01	2.942F-03	7.976F-01
5.00	6.00	4.75	1.784F-01	2.542F-03	8.188E-01
5.00	6.00	5.00	1.793E-01	2.201E-03	8.398E-01
5.00	6.00	5.25	1.795F-01	1.908E-03	8.607E-01
5.00	6.00	5.50	1.793E-01	1.658E-03	8.813E-01
5.00	6.00	5.75	1.786F-01	1.444F-03	9.018E-01
5.00	6.00	6.00	1.776F-01	1.261F-03	9.221E-01
5.00	8.00	2.00	8.119F-02	1.318F-02	5.749F-01
5.00	8.00	2.25	1.038F-01	1.316F-02	5.962F-01
5.00	8.00	2.50	1.237F-01	1.244E-02	6.174F-01
5.00	8.00	2.75	1.408E-01	1.138E-02	6.386E-01
5.00	8.00	3.00	1.552E-01	1.020E-02	6.596F-01
5.00	8.00	3.25	1.672E-01	9.025F-03	6.806E-01
5.00	8.00	3.50	1.770E-01	7.922E-03	7.014E-01
5.00	8.00	3.75	1.849F-01	6.920E-03	7.221E-01
5.00	8.00	4.00	1.911E-01	6.028E-03	7.427E-01
5.00	8.00	4.25	1.959F-01	5.246E-03	7.631E-01
5.00	8.00	4.50	1.996F-01	4.564E-03	7.834F-01
5.00	8.00	4.75	2.022F-01	3.974F-03	8.035F-01
5.00	8.00	5.00	2.039F-01	3.464E-03	8.234F-01
5.00	8.00	5.25	2.049F-01	3.024F-03	8.432F-01
5.00	8.00	5.50	2.052F-01	2.644F-03	8.628E-01
5.00	8.00	5.75	2.050F-01	2.316F-03	8.823E-01
5.00	8.00	6.00	2.044F-01	2.033F-03	9.016E-01

T_1^*	r_0	θ_0	h	k_c	k_d
5.00	10.00	2.00	8.246F-02	1.564F-02	5.725F-01
5.00	10.00	2.25	1.063F-01	1.587F-02	5.926F-01
5.00	10.00	2.50	1.276F-01	1.522F-02	6.127F-01
5.00	10.00	2.75	1.461F-01	1.409F-02	6.328F-01
5.00	10.00	3.00	1.620F-01	1.277F-02	6.528F-01
5.00	10.00	3.25	1.753F-01	1.141F-02	6.728F-01
5.00	10.00	3.50	1.864F-01	1.010F-02	6.926F-01
5.00	10.00	3.75	1.955F-01	8.898F-03	7.124F-01
5.00	10.00	4.00	2.029F-01	7.808F-03	7.320F-01
5.00	10.00	4.25	2.087E-01	6.840F-03	7.515F-01
5.00	10.00	4.50	2.132E-01	5.989E-03	7.709F-01
5.00	10.00	4.75	2.166F-01	5.244E-03	7.902E-01
5.00	10.00	5.00	2.191F-01	4.595F-03	8.093F-01
5.00	10.00	5.25	2.207E-01	4.031F-03	8.283E-01
5.00	10.00	5.50	2.215E-01	3.541F-03	8.471F-01
5.00	10.00	5.75	2.218F-01	3.115F-03	8.658F-01
5.00	10.00	6.00	2.216F-01	2.745E-03	8.844F-01
5.00	20.00	2.00	7.942F-02	2.127F-02	5.625F-01
5.00	20.00	2.25	1.049F-01	2.262F-02	5.794F-01
5.00	20.00	2.50	1.285E-01	2.259F-02	5.965F-01
5.00	20.00	2.75	1.499E-01	2.168E-02	6.137E-01
5.00	20.00	3.00	1.689E-01	2.028F-02	6.309E-01
5.00	20.00	3.25	1.855E-01	1.865E-02	6.481F-01
5.00	20.00	3.50	1.999F-01	1.694F-02	6.653F-01
5.00	20.00	3.75	2.121E-01	1.527E-02	6.824F-01
5.00	20.00	4.00	2.225E-01	1.369E-02	6.995F-01
5.00	20.00	4.25	2.312E-01	1.223E-02	7.166F-01
5.00	20.00	4.50	2.384F-01	1.090E-02	7.335F-01
5.00	20.00	4.75	2.442F-01	9.706F-03	7.504F-01
5.00	20.00	5.00	2.489F-01	8.637F-03	7.672F-01
5.00	20.00	5.25	2.526F-01	7.686F-03	7.839F-01
5.00	20.00	5.50	2.553F-01	6.842F-03	8.005F-01
5.00	20.00	5.75	2.573F-01	6.096F-03	8.170F-01
5.00	20.00	6.00	2.585E-01	5.435F-03	8.334F-01
5.00	40.00	2.00	7.190E-02	2.405F-02	5.533F-01
5.00	40.00	2.25	9.698F-02	2.664F-02	5.678F-01
5.00	40.00	2.50	1.211F-01	2.757F-02	5.826F-01
5.00	40.00	2.75	1.436E-01	2.731E-02	5.975F-01
5.00	40.00	3.00	1.641F-01	2.627F-02	6.125F-01
5.00	40.00	3.25	1.826F-01	2.477F-02	6.275F-01
5.00	40.00	3.50	1.991F-01	2.303F-02	6.426F-01
5.00	40.00	3.75	2.136F-01	2.119F-02	6.577F-01
5.00	40.00	4.00	2.262E-01	1.936F-02	6.728F-01
5.00	40.00	4.25	2.372F-01	1.760F-02	6.879F-01
5.00	40.00	4.50	2.466F-01	1.594F-02	7.029F-01
5.00	40.00	4.75	2.546E-01	1.440E-02	7.179F-01
5.00	40.00	5.00	2.613F-01	1.300E-02	7.328F-01
5.00	40.00	5.25	2.669F-01	1.171E-02	7.477F-01
5.00	40.00	5.50	2.715E-01	1.055E-02	7.625E-01
5.00	40.00	5.75	2.751E-01	9.509E-03	7.773F-01
5.00	40.00	6.00	2.780E-01	8.569E-03	7.920F-01

T_1^*	γ_0	θ_0	h	k_c	k_d
5.00	60.00	2.00	6.712E-02	2.473E-02	5.488E-01
5.00	60.00	2.25	9.153E-02	2.798E-02	5.622E-01
5.00	60.00	2.50	1.154E-01	2.949E-02	5.759E-01
5.00	60.00	2.75	1.380E-01	2.970E-02	5.897E-01
5.00	60.00	3.00	1.590E-01	2.900E-02	6.036E-01
5.00	60.00	3.25	1.781E-01	2.771E-02	6.177E-01
5.00	60.00	3.50	1.954E-01	2.607E-02	6.317E-01
5.00	60.00	3.75	2.108E-01	2.426E-02	6.458E-01
5.00	60.00	4.00	2.245E-01	2.239E-02	6.600E-01
5.00	60.00	4.25	2.365E-01	2.054E-02	6.741E-01
5.00	60.00	4.50	2.469E-01	1.876E-02	6.882E-01
5.00	60.00	4.75	2.560E-01	1.709E-02	7.023E-01
5.00	60.00	5.00	2.637E-01	1.553E-02	7.163E-01
5.00	60.00	5.25	2.703E-01	1.409E-02	7.303E-01
5.00	60.00	5.50	2.759E-01	1.278E-02	7.443E-01
5.00	60.00	5.75	2.805E-01	1.158E-02	7.582E-01
5.00	60.00	6.00	2.843E-01	1.050E-02	7.721E-01
5.00	100.00	2.00	6.134E-02	2.494E-02	5.440E-01
5.00	100.00	2.25	8.471E-02	2.890E-02	5.563E-01
5.00	100.00	2.50	1.080E-01	3.111E-02	5.687E-01
5.00	100.00	2.75	1.304E-01	3.192E-02	5.814E-01
5.00	100.00	3.00	1.516E-01	3.170E-02	5.942E-01
5.00	100.00	3.25	1.712E-01	3.076E-02	6.071E-01
5.00	100.00	3.50	1.891E-01	2.935E-02	6.201E-01
5.00	100.00	3.75	2.054E-01	2.766E-02	6.332E-01
5.00	100.00	4.00	2.201E-01	2.583E-02	6.463E-01
5.00	100.00	4.25	2.331E-01	2.395E-02	6.594E-01
5.00	100.00	4.50	2.447E-01	2.210E-02	6.725E-01
5.00	100.00	4.75	2.549E-01	2.031E-02	6.856E-01
5.00	100.00	5.00	2.638E-01	1.862E-02	6.986E-01
5.00	100.00	5.25	2.715E-01	1.704E-02	7.117E-01
5.00	100.00	5.50	2.782E-01	1.556E-02	7.247E-01
5.00	100.00	5.75	2.838E-01	1.421E-02	7.377E-01
5.00	100.00	6.00	2.886E-01	1.296E-02	7.507E-01
15.00	1.10	2.00	1.730E-04	2.215E-09	1.140E-01
15.00	1.10	2.25	2.054E-04	1.902E-09	1.206E-01
15.00	1.10	2.50	2.296E-04	1.577E-09	1.269E-01
15.00	1.10	2.75	2.470E-04	1.284E-09	1.332E-01
15.00	1.10	3.00	2.589E-04	1.038E-09	1.394E-01
15.00	1.10	3.25	2.666E-04	8.377E-10	1.455E-01
15.00	1.10	3.50	2.709E-04	6.766E-10	1.514E-01
15.00	1.10	3.75	2.728E-04	5.481E-10	1.573E-01
15.00	1.10	4.00	2.726E-04	4.457E-10	1.630E-01
15.00	1.10	4.25	2.710E-04	3.642E-10	1.687E-01
15.00	1.10	4.50	2.683E-04	2.989E-10	1.743E-01
15.00	1.10	4.75	2.647E-04	2.466E-10	1.799E-01
15.00	1.10	5.00	2.605E-04	2.045E-10	1.853E-01
15.00	1.10	5.25	2.559E-04	1.704E-10	1.907E-01
15.00	1.10	5.50	2.510E-04	1.427E-10	1.960E-01
15.00	1.10	5.75	2.458E-04	1.200E-10	2.012E-01
15.00	1.10	6.00	2.406E-04	1.014E-10	2.064E-01

T_1^*	γ_0	θ_0	h	k_c	k_d
15.00	1.20	2.00	1.040E-03	1.537E-07	1.995E-01
15.00	1.20	2.25	1.239E-03	1.329E-07	2.107E-01
15.00	1.20	2.50	1.389E-03	1.108E-07	2.217E-01
15.00	1.20	2.75	1.498E-03	9.073E-08	2.325E-01
15.00	1.20	3.00	1.574E-03	7.370E-08	2.432E-01
15.00	1.20	3.25	1.624E-03	5.971E-08	2.536E-01
15.00	1.20	3.50	1.653E-03	4.840E-08	2.639E-01
15.00	1.20	3.75	1.667E-03	3.934E-08	2.740E-01
15.00	1.20	4.00	1.669E-03	3.209E-08	2.840E-01
15.00	1.20	4.25	1.661E-03	2.629E-08	2.938E-01
15.00	1.20	4.50	1.646E-03	2.164E-08	3.035E-01
15.00	1.20	4.75	1.626E-03	1.790E-08	3.130E-01
15.00	1.20	5.00	1.602E-03	1.487E-08	3.224E-01
15.00	1.20	5.25	1.575E-03	1.242E-08	3.317E-01
15.00	1.20	5.50	1.546E-03	1.042E-08	3.409E-01
15.00	1.20	5.75	1.516E-03	8.778E-09	3.499E-01
15.00	1.20	6.00	1.485E-03	7.430E-09	3.589E-01
15.00	1.40	2.00	5.012E-03	6.633E-06	3.163E-01
15.00	1.40	2.25	6.006E-03	5.806E-06	3.335E-01
15.00	1.40	2.50	6.765E-03	4.891E-06	3.504E-01
15.00	1.40	2.75	7.327E-03	4.042E-06	3.670E-01
15.00	1.40	3.00	7.729E-03	3.310E-06	3.834E-01
15.00	1.40	3.25	8.001E-03	2.701E-06	3.995E-01
15.00	1.40	3.50	8.172E-03	2.204E-06	4.154E-01
15.00	1.40	3.75	8.264E-03	1.802E-06	4.310E-01
15.00	1.40	4.00	8.294E-03	1.478E-06	4.464E-01
15.00	1.40	4.25	8.275E-03	1.217E-06	4.616E-01
15.00	1.40	4.50	8.220E-03	1.006E-06	4.766E-01
15.00	1.40	4.75	8.136E-03	8.358E-07	4.914E-01
15.00	1.40	5.00	8.031E-03	6.972E-07	5.059E-01
15.00	1.40	5.25	7.910E-03	5.843E-07	5.203E-01
15.00	1.40	5.50	7.777E-03	4.918E-07	5.346E-01
15.00	1.40	5.75	7.636E-03	4.158E-07	5.486E-01
15.00	1.40	6.00	7.489E-03	3.530E-07	5.625E-01
15.00	1.60	2.00	1.089E-02	4.406E-05	3.897E-01
15.00	1.60	2.25	1.311E-02	3.897E-05	4.103E-01
15.00	1.60	2.50	1.483E-02	3.313E-05	4.305E-01
15.00	1.60	2.75	1.613E-02	2.760E-05	4.505E-01
15.00	1.60	3.00	1.707E-02	2.276E-05	4.702E-01
15.00	1.60	3.25	1.772E-02	1.870E-05	4.896E-01
15.00	1.60	3.50	1.815E-02	1.535E-05	5.087E-01
15.00	1.60	3.75	1.840E-02	1.261E-05	5.275E-01
15.00	1.60	4.00	1.851E-02	1.039E-05	5.460E-01
15.00	1.60	4.25	1.851E-02	8.595E-06	5.643E-01
15.00	1.60	4.50	1.842E-02	7.135E-06	5.824E-01
15.00	1.60	4.75	1.826E-02	5.948E-06	6.002E-01
15.00	1.60	5.00	1.805E-02	4.979E-06	6.178E-01
15.00	1.60	5.25	1.781E-02	4.186E-06	6.352E-01
15.00	1.60	5.50	1.753E-02	3.534E-06	6.524E-01
15.00	1.60	5.75	1.724E-02	2.996E-06	6.693E-01
15.00	1.60	6.00	1.693E-02	2.550E-06	6.861E-01

T_1^*	γ_0	θ_0	h	k_c	k_d
15.00	1.80	2.00	1.747E-02	1.432E-04	4.384E-01
15.00	1.80	2.25	2.113E-02	1.278E-04	4.609E-01
15.00	1.80	2.50	2.400E-02	1.096E-04	4.832E-01
15.00	1.80	2.75	2.619E-02	9.192E-05	5.051E-01
15.00	1.80	3.00	2.780E-02	7.629E-05	5.267E-01
15.00	1.80	3.25	2.895E-02	6.301E-05	5.480E-01
15.00	1.80	3.50	2.972E-02	5.198E-05	5.691E-01
15.00	1.80	3.75	3.019E-02	4.292E-05	5.898E-01
15.00	1.80	4.00	3.043E-02	3.552E-05	6.102E-01
15.00	1.80	4.25	3.048E-02	2.949E-05	6.304E-01
15.00	1.80	4.50	3.039E-02	2.457E-05	6.503E-01
15.00	1.80	4.75	3.018E-02	2.054E-05	6.700E-01
15.00	1.80	5.00	2.988E-02	1.725E-05	6.894E-01
15.00	1.80	5.25	2.951E-02	1.454E-05	7.086E-01
15.00	1.80	5.50	2.910E-02	1.231E-05	7.275E-01
15.00	1.80	5.75	2.864E-02	1.046E-05	7.463E-01
15.00	1.80	6.00	2.815E-02	8.924E-06	7.648E-01
15.00	2.00	2.00	2.406E-02	3.231E-04	4.720E-01
15.00	2.00	2.25	2.922E-02	2.908E-04	4.957E-01
15.00	2.00	2.50	3.330E-02	2.511E-04	5.191E-01
15.00	2.00	2.75	3.644E-02	2.120E-04	5.422E-01
15.00	2.00	3.00	3.879E-02	1.769E-04	5.650E-01
15.00	2.00	3.25	4.049E-02	1.469E-04	5.875E-01
15.00	2.00	3.50	4.166E-02	1.217E-04	6.096E-01
15.00	2.00	3.75	4.241E-02	1.009E-04	6.315E-01
15.00	2.00	4.00	4.282E-02	8.384E-05	6.531E-01
15.00	2.00	4.25	4.297E-02	6.984E-05	6.744E-01
15.00	2.00	4.50	4.290E-02	5.837E-05	6.955E-01
15.00	2.00	4.75	4.266E-02	4.895E-05	7.163E-01
15.00	2.00	5.00	4.200E-02	4.121E-05	7.368E-01
15.00	2.00	5.25	4.183E-02	3.483E-05	7.571E-01
15.00	2.00	5.50	4.128E-02	2.955E-05	7.772E-01
15.00	2.00	5.75	4.068E-02	2.517E-05	7.971E-01
15.00	2.00	6.00	4.003E-02	2.152E-05	8.167E-01
15.00	2.20	2.00	3.029E-02	5.876E-04	4.960E-01
15.00	2.20	2.25	3.692E-02	5.330E-04	5.203E-01
15.00	2.20	2.50	4.221E-02	4.632E-04	5.444E-01
15.00	2.20	2.75	4.632E-02	3.933E-04	5.682E-01
15.00	2.20	3.00	4.943E-02	3.300E-04	5.916E-01
15.00	2.20	3.25	5.171E-02	2.752E-04	6.148E-01
15.00	2.20	3.50	5.331E-02	2.290E-04	6.377E-01
15.00	2.20	3.75	5.437E-02	1.906E-04	6.603E-01
15.00	2.20	4.00	5.499E-02	1.589E-04	6.826E-01
15.00	2.20	4.25	5.525E-02	1.328E-04	7.046E-01
15.00	2.20	4.50	5.524E-02	1.113E-04	7.264E-01
15.00	2.20	4.75	5.501E-02	9.358E-05	7.478E-01
15.00	2.20	5.00	5.460E-02	7.898E-05	7.691E-01
15.00	2.20	5.25	5.406E-02	6.691E-05	7.901E-01
15.00	2.20	5.50	5.340E-02	5.689E-05	8.109E-01
15.00	2.20	5.75	5.267E-02	4.855E-05	8.314E-01
15.00	2.20	6.00	5.188E-02	4.158E-05	8.517E-01

T_1^*	γ_0	θ_0	h	k_c	k_d
15.00	2.40	2.00	3.601E-02	9.304E-04	5.135E-01
15.00	2.40	2.25	4.404E-02	8.497E-04	5.382E-01
15.00	2.40	2.50	5.050E-02	7.429E-04	5.626E-01
15.00	2.40	2.75	5.556E-02	6.342E-04	5.868E-01
15.00	2.40	3.00	5.942E-02	5.346E-04	6.107E-01
15.00	2.40	3.25	6.228E-02	4.477E-04	6.342E-01
15.00	2.40	3.50	6.433E-02	3.740E-04	6.575E-01
15.00	2.40	3.75	6.572E-02	3.123E-04	6.805E-01
15.00	2.40	4.00	6.656E-02	2.611E-04	7.032E-01
15.00	2.40	4.25	6.698E-02	2.188E-04	7.256E-01
15.00	2.40	4.50	6.705E-02	1.839E-04	7.478E-01
15.00	2.40	4.75	6.684E-02	1.550E-04	7.697E-01
15.00	2.40	5.00	6.642E-02	1.311E-04	7.914E-01
15.00	2.40	5.25	6.582E-02	1.113E-04	8.128E-01
15.00	2.40	5.50	6.509E-02	9.484E-05	8.340E-01
15.00	2.40	5.75	6.426E-02	8.109E-05	8.550E-01
15.00	2.40	6.00	6.334E-02	6.957E-05	8.757E-01
15.00	2.60	2.00	4.118E-02	1.339E-03	5.266E-01
15.00	2.60	2.25	5.052E-02	1.231E-03	5.514E-01
15.00	2.60	2.50	5.808E-02	1.082E-03	5.760E-01
15.00	2.60	2.75	6.405E-02	9.284E-04	6.004E-01
15.00	2.60	3.00	6.864E-02	7.860E-04	6.244E-01
15.00	2.60	3.25	7.209E-02	6.608E-04	6.482E-01
15.00	2.60	3.50	7.458E-02	5.539E-04	6.717E-01
15.00	2.60	3.75	7.630E-02	4.640E-04	6.949E-01
15.00	2.60	4.00	7.739E-02	3.891E-04	7.178E-01
15.00	2.60	4.25	7.798E-02	3.269E-04	7.405E-01
15.00	2.60	4.50	7.815E-02	2.754E-04	7.629E-01
15.00	2.60	4.75	7.800E-02	2.327E-04	7.851E-01
15.00	2.60	5.00	7.758E-02	1.973E-04	8.070E-01
15.00	2.60	5.25	7.695E-02	1.678E-04	8.286E-01
15.00	2.60	5.50	7.617E-02	1.432E-04	8.501E-01
15.00	2.60	5.75	7.525E-02	1.226E-04	8.713E-01
15.00	2.60	6.00	7.423E-02	1.054E-04	8.923E-01
15.00	2.80	2.00	4.580E-02	1.801E-03	5.365E-01
15.00	2.80	2.25	5.635E-02	1.665E-03	5.614E-01
15.00	2.80	2.50	6.495E-02	1.471E-03	5.860E-01
15.00	2.80	2.75	7.178E-02	1.268E-03	6.104E-01
15.00	2.80	3.00	7.708E-02	1.078E-03	6.345E-01
15.00	2.80	3.25	8.109E-02	9.092E-04	6.584E-01
15.00	2.80	3.50	8.402E-02	7.646E-04	6.819E-01
15.00	2.80	3.75	8.608E-02	6.424E-04	7.053E-01
15.00	2.80	4.00	8.743E-02	5.402E-04	7.283E-01
15.00	2.80	4.25	8.819E-02	4.550E-04	7.511E-01
15.00	2.80	4.50	8.849E-02	3.841E-04	7.736E-01
15.00	2.80	4.75	8.840E-02	3.252E-04	7.959E-01
15.00	2.80	5.00	8.801E-02	2.762E-04	8.179E-01
15.00	2.80	5.25	8.737E-02	2.353E-04	8.397E-01
15.00	2.80	5.50	8.655E-02	2.012E-04	8.612E-01
15.00	2.80	5.75	8.557E-02	1.726E-04	8.826E-01
15.00	2.80	6.00	8.447E-02	1.485E-04	9.037E-01

T_1^*	γ_0	θ_0	h	k_e	k_d
15.00	3.00	2.00	4.992E-02	2.301E-03	5.442E-01
15.00	3.00	2.25	6.158E-02	2.139E-03	5.690E-01
15.00	3.00	2.50	7.115E-02	1.899E-03	5.935E-01
15.00	3.00	2.75	7.879E-02	1.644E-03	6.179E-01
15.00	3.00	3.00	8.476E-02	1.402E-03	6.420E-01
15.00	3.00	3.25	8.931E-02	1.187E-03	6.658E-01
15.00	3.00	3.50	9.268E-02	1.001E-03	6.894E-01
15.00	3.00	3.75	9.508E-02	8.437E-04	7.127E-01
15.00	3.00	4.00	9.668E-02	7.112E-04	7.358E-01
15.00	3.00	4.25	9.763E-02	6.004E-04	7.586E-01
15.00	3.00	4.50	9.805E-02	5.080E-04	7.811E-01
15.00	3.00	4.75	9.805E-02	4.309E-04	8.034E-01
15.00	3.00	5.00	9.770E-02	3.666E-04	8.255E-01
15.00	3.00	5.25	9.707E-02	3.129E-04	8.473E-01
15.00	3.00	5.50	9.623E-02	2.679E-04	8.690E-01
15.00	3.00	5.75	9.521E-02	2.301E-04	8.903E-01
15.00	3.00	6.00	9.405E-02	1.983E-04	9.115E-01
15.00	3.50	2.00	5.832E-02	3.652E-03	5.567E-01
15.00	3.50	2.25	7.236E-02	3.436E-03	5.812E-01
15.00	3.50	2.50	8.404E-02	3.084E-03	6.054E-01
15.00	3.50	2.75	9.349E-02	2.694E-03	6.294E-01
15.00	3.50	3.00	1.010E-01	2.318E-03	6.533E-01
15.00	3.50	3.25	1.068E-01	1.977E-03	6.769E-01
15.00	3.50	3.50	1.112E-01	1.678E-03	7.002E-01
15.00	3.50	3.75	1.144E-01	1.423E-03	7.234E-01
15.00	3.50	4.00	1.166E-01	1.206E-03	7.462E-01
15.00	3.50	4.25	1.181E-01	1.023E-03	7.689E-01
15.00	3.50	4.50	1.189E-01	8.697E-04	7.913E-01
15.00	3.50	4.75	1.191E-01	7.410E-04	8.135E-01
15.00	3.50	5.00	1.189E-01	6.329E-04	8.355E-01
15.00	3.50	5.25	1.184E-01	5.422E-04	8.572E-01
15.00	3.50	5.50	1.175E-01	4.658E-04	8.787E-01
15.00	3.50	5.75	1.165E-01	4.014E-04	9.000E-01
15.00	3.50	6.00	1.152E-01	3.470E-04	9.211E-01
15.00	4.00	2.00	6.456E-02	5.043E-03	5.638E-01
15.00	4.00	2.25	8.052E-02	4.795E-03	5.877E-01
15.00	4.00	2.50	9.393E-02	4.343E-03	6.114E-01
15.00	4.00	2.75	1.049E-01	3.825E-03	6.350E-01
15.00	4.00	3.00	1.137E-01	3.314E-03	6.585E-01
15.00	4.00	3.25	1.206E-01	2.845E-03	6.817E-01
15.00	4.00	3.50	1.259E-01	2.430E-03	7.047E-01
15.00	4.00	3.75	1.299E-01	2.071E-03	7.275E-01
15.00	4.00	4.00	1.328E-01	1.763E-03	7.501E-01
15.00	4.00	4.25	1.347E-01	1.503E-03	7.724E-01
15.00	4.00	4.50	1.359E-01	1.283E-03	7.945E-01
15.00	4.00	4.75	1.364E-01	1.097E-03	8.165E-01
15.00	4.00	5.00	1.364E-01	9.400E-04	8.382E-01
15.00	4.00	5.25	1.360E-01	8.079E-04	8.596E-01
15.00	4.00	5.50	1.352E-01	6.962E-04	8.809E-01
15.00	4.00	5.75	1.342E-01	6.016E-04	9.020E-01
15.00	4.00	6.00	1.329E-01	5.213E-04	9.229E-01

T_1^*	r_0	θ_0	h	k_e	k_d
15.00	4.50	2.00	6.922E-02	6.397E-03	5.677E-01
15.00	4.50	2.25	8.673E-02	6.140E-03	5.911E-01
15.00	4.50	2.50	1.016E-01	5.606E-03	6.144E-01
15.00	4.50	2.75	1.138E-01	4.972E-03	6.375E-01
15.00	4.50	3.00	1.238E-01	4.336E-03	6.605E-01
15.00	4.50	3.25	1.317E-01	3.743E-03	6.833E-01
15.00	4.50	3.50	1.378E-01	3.213E-03	7.059E-01
15.00	4.50	3.75	1.425E-01	2.751E-03	7.283E-01
15.00	4.50	4.00	1.459E-01	2.352E-03	7.505E-01
15.00	4.50	4.25	1.483E-01	2.012E-03	7.725E-01
15.00	4.50	4.50	1.498E-01	1.723E-03	7.943E-01
15.00	4.50	4.75	1.507E-01	1.479E-03	8.159E-01
15.00	4.50	5.00	1.509E-01	1.271E-03	8.373E-01
15.00	4.50	5.25	1.506E-01	1.096E-03	8.585E-01
15.00	4.50	5.50	1.500E-01	9.465E-04	8.795E-01
15.00	4.50	5.75	1.490E-01	8.199E-04	9.003E-01
15.00	4.50	6.00	1.478E-01	7.122E-04	9.209E-01
15.00	5.00	2.00	7.273E-02	7.677E-03	5.700E-01
15.00	5.00	2.25	9.149E-02	7.429E-03	5.928E-01
15.00	5.00	2.50	1.075E-01	6.832E-03	6.156E-01
15.00	5.00	2.75	1.209E-01	6.098E-03	6.383E-01
15.00	5.00	3.00	1.318E-01	5.348E-03	6.608E-01
15.00	5.00	3.25	1.406E-01	4.640E-03	6.832E-01
15.00	5.00	3.50	1.475E-01	4.001E-03	7.054E-01
15.00	5.00	3.75	1.528E-01	3.439E-03	7.274E-01
15.00	5.00	4.00	1.567E-01	2.952E-03	7.492E-01
15.00	5.00	4.25	1.596E-01	2.534E-03	7.709E-01
15.00	5.00	4.50	1.615E-01	2.177E-03	7.923E-01
15.00	5.00	4.75	1.626E-01	1.873E-03	8.136E-01
15.00	5.00	5.00	1.630E-01	1.615E-03	8.346E-01
15.00	5.00	5.25	1.630E-01	1.395E-03	8.555E-01
15.00	5.00	5.50	1.624E-01	1.208E-03	8.762E-01
15.00	5.00	5.75	1.616E-01	1.049E-03	8.967E-01
15.00	5.00	6.00	1.604E-01	9.128E-04	9.171E-01
15.00	6.00	2.00	7.741E-02	9.962E-03	5.717E-01
15.00	6.00	2.25	9.807E-02	9.777E-03	5.936E-01
15.00	6.00	2.50	1.160E-01	9.102E-03	6.155E-01
15.00	6.00	2.75	1.311E-01	8.213E-03	6.373E-01
15.00	6.00	3.00	1.436E-01	7.271E-03	6.590E-01
15.00	6.00	3.25	1.538E-01	6.363E-03	6.805E-01
15.00	6.00	3.50	1.619E-01	5.529E-03	7.020E-01
15.00	6.00	3.75	1.683E-01	4.786E-03	7.233E-01
15.00	6.00	4.00	1.732E-01	4.134E-03	7.444E-01
15.00	6.00	4.25	1.769E-01	3.570E-03	7.654E-01
15.00	6.00	4.50	1.795E-01	3.083E-03	7.861E-01
15.00	6.00	4.75	1.812E-01	2.666E-03	8.068E-01
15.00	6.00	5.00	1.821E-01	2.309E-03	8.272E-01
15.00	6.00	5.25	1.824E-01	2.003E-03	8.475E-01
15.00	6.00	5.50	1.822E-01	1.742E-03	8.676E-01
15.00	6.00	5.75	1.815E-01	1.518E-03	8.875E-01
15.00	6.00	6.00	1.805E-01	1.326E-03	9.073E-01

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15.00	8.00	2.00	8.168F-02	1.350E-02	5.709F-01
15.00	8.00	2.25	1.046F-01	1.354E-02	5.913E-01
15.00	8.00	2.50	1.249F-01	1.284E-02	6.117E-01
15.00	8.00	2.75	1.423F-01	1.178E-02	6.321E-01
15.00	8.00	3.00	1.571F-01	1.059E-02	6.524F-01
15.00	8.00	3.25	1.693F-01	9.386F-03	6.727F-01
15.00	8.00	3.50	1.794F-01	8.254F-03	6.929F-01
15.00	8.00	3.75	1.875F-01	7.222F-03	7.130F-01
15.00	8.00	4.00	1.939F-01	6.301F-03	7.329F-01
15.00	8.00	4.25	1.989E-01	5.489F-03	7.527F-01
15.00	8.00	4.50	2.026F-01	4.781E-03	7.724E-01
15.00	8.00	4.75	2.053F-01	4.166E-03	7.919E-01
15.00	8.00	5.00	2.071F-01	3.633E-03	8.113E-01
15.00	8.00	5.25	2.081E-01	3.173E-03	8.306E-01
15.00	8.00	5.50	2.085E-01	2.776E-03	8.497E-01
15.00	8.00	5.75	2.083E-01	2.433E-03	8.686F-01
15.00	8.00	6.00	2.077F-01	2.136E-03	8.874E-01
15.00	10.00	2.00	8.291E-02	1.599E-02	5.687F-01
15.00	10.00	2.25	1.071F-01	1.630E-02	5.879F-01
15.00	10.00	2.50	1.287F-01	1.569F-02	6.072F-01
15.00	10.00	2.75	1.476F-01	1.457E-02	6.266F-01
15.00	10.00	3.00	1.638E-01	1.324E-02	6.459E-01
15.00	10.00	3.25	1.775E-01	1.186E-02	6.652E-01
15.00	10.00	3.50	1.889E-01	1.052E-02	6.844E-01
15.00	10.00	3.75	1.982E-01	9.280E-03	7.036E-01
15.00	10.00	4.00	2.058E-01	8.156E-03	7.226E-01
15.00	10.00	4.25	2.118F-01	7.154E-03	7.415E-01
15.00	10.00	4.50	2.164F-01	6.270F-03	7.604F-01
15.00	10.00	4.75	2.199F-01	5.495E-03	7.791E-01
15.00	10.00	5.00	2.224F-01	4.818E-03	7.976E-01
15.00	10.00	5.25	2.241E-01	4.229F-03	8.161F-01
15.00	10.00	5.50	2.250E-01	3.717E-03	8.344F-01
15.00	10.00	5.75	2.254E-01	3.272E-03	8.526F-01
15.00	10.00	6.00	2.251E-01	2.884E-03	8.707E-01
15.00	20.00	2.00	7.972E-02	2.168E-02	5.593F-01
15.00	20.00	2.25	1.054F-01	2.316E-02	5.755F-01
15.00	20.00	2.50	1.204F-01	2.321F-02	5.918F-01
15.00	20.00	2.75	1.512F-01	2.235F-02	6.083F-01
15.00	20.00	3.00	1.706F-01	2.097E-02	6.248F-01
15.00	20.00	3.25	1.876F-01	1.932E-02	6.414E-01
15.00	20.00	3.50	2.023F-01	1.760F-02	6.580F-01
15.00	20.00	3.75	2.148E-01	1.589E-02	6.746E-01
15.00	20.00	4.00	2.255E-01	1.427E-02	6.911F-01
15.00	20.00	4.25	2.344F-01	1.277E-02	7.076F-01
15.00	20.00	4.50	2.418F-01	1.140E-02	7.241E-01
15.00	20.00	4.75	2.478F-01	1.016E-02	7.404E-01
15.00	20.00	5.00	2.526E-01	9.045E-03	7.567E-01
15.00	20.00	5.25	2.564E-01	8.055F-03	7.730F-01
15.00	20.00	5.50	2.592F-01	7.175F-03	7.891E-01
15.00	20.00	5.75	2.612F-01	6.396E-03	8.051E-01
15.00	20.00	6.00	2.626F-01	5.706E-03	8.211E-01

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15.00	40.00	2.00	7.206E-02	2.445E-02	5.505E-01
15.00	40.00	2.25	9.734E-02	2.719E-02	5.644E-01
15.00	40.00	2.50	1.217E-01	2.824E-02	5.785E-01
15.00	40.00	2.75	1.446E-01	2.806E-02	5.927E-01
15.00	40.00	3.00	1.655E-01	2.708E-02	6.071E-01
15.00	40.00	3.25	1.844E-01	2.560E-02	6.216E-01
15.00	40.00	3.50	2.012E-01	2.386E-02	6.361E-01
15.00	40.00	3.75	2.160E-01	2.200E-02	6.507E-01
15.00	40.00	4.00	2.290E-01	2.014E-02	6.652E-01
15.00	40.00	4.25	2.402E-01	1.834E-02	6.798E-01
15.00	40.00	4.50	2.499E-01	1.663E-02	6.943E-01
15.00	40.00	4.75	2.581E-01	1.505E-02	7.089E-01
15.00	40.00	5.00	2.650E-01	1.359E-02	7.233E-01
15.00	40.00	5.25	2.707E-01	1.226E-02	7.378E-01
15.00	40.00	5.50	2.755E-01	1.106E-02	7.522E-01
15.00	40.00	5.75	2.793E-01	9.967E-03	7.665E-01
15.00	40.00	6.00	2.822E-01	8.988E-03	7.808E-01
15.00	60.00	2.00	6.721E-02	2.510E-02	5.463E-01
15.00	60.00	2.25	9.180E-02	2.851E-02	5.590E-01
15.00	60.00	2.50	1.159E-01	3.016E-02	5.721E-01
15.00	60.00	2.75	1.389E-01	3.047E-02	5.853E-01
15.00	60.00	3.00	1.602E-01	2.984E-02	5.986E-01
15.00	60.00	3.25	1.797E-01	2.859E-02	6.121E-01
15.00	60.00	3.50	1.973E-01	2.697E-02	6.256E-01
15.00	60.00	3.75	2.131E-01	2.515E-02	6.392E-01
15.00	60.00	4.00	2.271E-01	2.326E-02	6.528E-01
15.00	60.00	4.25	2.394E-01	2.137E-02	6.665E-01
15.00	60.00	4.50	2.501E-01	1.956E-02	6.801E-01
15.00	60.00	4.75	2.594E-01	1.783E-02	6.937E-01
15.00	60.00	5.00	2.674E-01	1.623E-02	7.073E-01
15.00	60.00	5.25	2.742E-01	1.474E-02	7.209E-01
15.00	60.00	5.50	2.799E-01	1.338E-02	7.344E-01
15.00	60.00	5.75	2.846E-01	1.214E-02	7.479E-01
15.00	60.00	6.00	2.885E-01	1.101E-02	7.614E-01
15.00	100.00	2.00	6.137E-02	2.527E-02	5.417E-01
15.00	100.00	2.25	8.487E-02	2.940E-02	5.534E-01
15.00	100.00	2.50	1.084E-01	3.176E-02	5.652E-01
15.00	100.00	2.75	1.311E-01	3.270E-02	5.773E-01
15.00	100.00	3.00	1.526E-01	3.257E-02	5.896E-01
15.00	100.00	3.25	1.725E-01	3.169E-02	6.020E-01
15.00	100.00	3.50	1.909E-01	3.031E-02	6.145E-01
15.00	100.00	3.75	2.075E-01	2.863E-02	6.270E-01
15.00	100.00	4.00	2.225E-01	2.679E-02	6.396E-01
15.00	100.00	4.25	2.358E-01	2.489E-02	6.522E-01
15.00	100.00	4.50	2.477E-01	2.300E-02	6.649E-01
15.00	100.00	4.75	2.581E-01	2.117E-02	6.775E-01
15.00	100.00	5.00	2.673E-01	1.944E-02	6.902E-01
15.00	100.00	5.25	2.752E-01	1.780E-02	7.028E-01
15.00	100.00	5.50	2.821E-01	1.628E-02	7.154E-01
15.00	100.00	5.75	2.879E-01	1.487E-02	7.280E-01
15.00	100.00	6.00	2.929E-01	1.358E-02	7.406E-01

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30.00	1.10	2.00	1.736E-04	2.232E-09	1.137E-01
30.00	1.10	2.25	2.062E-04	1.918E-09	1.202E-01
30.00	1.10	2.50	2.305E-04	1.590E-09	1.265E-01
30.00	1.10	2.75	2.479E-04	1.295E-09	1.328E-01
30.00	1.10	3.00	2.599E-04	1.048E-09	1.389E-01
30.00	1.10	3.25	2.677E-04	8.453E-10	1.450E-01
30.00	1.10	3.50	2.721E-04	6.829E-10	1.511E-01
30.00	1.10	3.75	2.739E-04	5.533E-10	1.571E-01
30.00	1.10	4.00	2.738E-04	4.501E-10	1.629E-01
30.00	1.10	4.25	2.722E-04	3.677E-10	1.686E-01
30.00	1.10	4.50	2.695E-04	3.018E-10	1.742E-01
30.00	1.10	4.75	2.660E-04	2.490E-10	1.797E-01
30.00	1.10	5.00	2.618E-04	2.064E-10	1.851E-01
30.00	1.10	5.25	2.572E-04	1.720E-10	1.905E-01
30.00	1.10	5.50	2.523E-04	1.440E-10	1.957E-01
30.00	1.10	5.75	2.471E-04	1.211E-10	2.009E-01
30.00	1.10	6.00	2.419E-04	1.023E-10	2.061E-01
30.00	1.20	2.00	1.044E-03	1.549E-07	1.990E-01
30.00	1.20	2.25	1.244E-03	1.340E-07	2.101E-01
30.00	1.20	2.50	1.394E-03	1.117E-07	2.210E-01
30.00	1.20	2.75	1.504E-03	9.152E-08	2.318E-01
30.00	1.20	3.00	1.580E-03	7.435E-08	2.423E-01
30.00	1.20	3.25	1.630E-03	6.025E-08	2.529E-01
30.00	1.20	3.50	1.660E-03	4.885E-08	2.633E-01
30.00	1.20	3.75	1.674E-03	3.972E-08	2.736E-01
30.00	1.20	4.00	1.676E-03	3.240E-08	2.837E-01
30.00	1.20	4.25	1.668E-03	2.655E-08	2.935E-01
30.00	1.20	4.50	1.654E-03	2.185E-08	3.032E-01
30.00	1.20	4.75	1.634E-03	1.807E-08	3.127E-01
30.00	1.20	5.00	1.610E-03	1.501E-08	3.221E-01
30.00	1.20	5.25	1.583E-03	1.253E-08	3.313E-01
30.00	1.20	5.50	1.554E-03	1.051E-08	3.405E-01
30.00	1.20	5.75	1.524E-03	8.857E-09	3.495E-01
30.00	1.20	6.00	1.493E-03	7.496E-09	3.583E-01
30.00	1.40	2.00	5.030E-03	6.684E-06	3.154E-01
30.00	1.40	2.25	6.027E-03	5.852E-06	3.325E-01
30.00	1.40	2.50	6.791E-03	4.931E-06	3.493E-01
30.00	1.40	2.75	7.356E-03	4.076E-06	3.658E-01
30.00	1.40	3.00	7.759E-03	3.339E-06	3.821E-01
30.00	1.40	3.25	8.033E-03	2.725E-06	3.983E-01
30.00	1.40	3.50	8.206E-03	2.225E-06	4.145E-01
30.00	1.40	3.75	8.299E-03	1.819E-06	4.303E-01
30.00	1.40	4.00	8.330E-03	1.493E-06	4.458E-01
30.00	1.40	4.25	8.312E-03	1.229E-06	4.611E-01
30.00	1.40	4.50	8.258E-03	1.016E-06	4.761E-01
30.00	1.40	4.75	8.175E-03	8.440E-07	4.909E-01
30.00	1.40	5.00	8.070E-03	7.040E-07	5.054E-01
30.00	1.40	5.25	7.949E-03	5.899E-07	5.197E-01
30.00	1.40	5.50	7.816E-03	4.964E-07	5.339E-01
30.00	1.40	5.75	7.675E-03	4.196E-07	5.478E-01
30.00	1.40	6.00	7.528E-03	3.561E-07	5.616E-01

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30.00	1.60	2.00	1.092E-02	4.440E-05	3.886E-01
30.00	1.60	2.25	1.316E-02	3.928E-05	4.091E-01
30.00	1.60	2.50	1.489E-02	3.340E-05	4.292E-01
30.00	1.60	2.75	1.619E-02	2.784E-05	4.491E-01
30.00	1.60	3.00	1.713E-02	2.296E-05	4.686E-01
30.00	1.60	3.25	1.779E-02	1.886E-05	4.881E-01
30.00	1.60	3.50	1.822E-02	1.549E-05	5.075E-01
30.00	1.60	3.75	1.848E-02	1.273E-05	5.265E-01
30.00	1.60	4.00	1.859E-02	1.050E-05	5.452E-01
30.00	1.60	4.25	1.859E-02	8.680E-06	5.636E-01
30.00	1.60	4.50	1.850E-02	7.206E-06	5.817E-01
30.00	1.60	4.75	1.835E-02	6.006E-06	5.995E-01
30.00	1.60	5.00	1.814E-02	5.028E-06	6.171E-01
30.00	1.60	5.25	1.790E-02	4.226E-06	6.344E-01
30.00	1.60	5.50	1.762E-02	3.567E-06	6.515E-01
30.00	1.60	5.75	1.733E-02	3.023E-06	6.684E-01
30.00	1.60	6.00	1.702E-02	2.573E-06	6.851E-01
30.00	1.80	2.00	1.753E-02	1.443E-04	4.372E-01
30.00	1.80	2.25	2.121E-02	1.288E-04	4.596E-01
30.00	1.80	2.50	2.409E-02	1.105E-04	4.817E-01
30.00	1.80	2.75	2.629E-02	9.270E-05	5.035E-01
30.00	1.80	3.00	2.791E-02	7.696E-05	5.250E-01
30.00	1.80	3.25	2.906E-02	6.358E-05	5.464E-01
30.00	1.80	3.50	2.984E-02	5.246E-05	5.677E-01
30.00	1.80	3.75	3.032E-02	4.333E-05	5.886E-01
30.00	1.80	4.00	3.056E-02	3.587E-05	6.093E-01
30.00	1.80	4.25	3.062E-02	2.978E-05	6.295E-01
30.00	1.80	4.50	3.053E-02	2.481E-05	6.495E-01
30.00	1.80	4.75	3.032E-02	2.075E-05	6.691E-01
30.00	1.80	5.00	3.002E-02	1.742E-05	6.885E-01
30.00	1.80	5.25	2.966E-02	1.468E-05	7.077E-01
30.00	1.80	5.50	2.924E-02	1.243E-05	7.265E-01
30.00	1.80	5.75	2.878E-02	1.056E-05	7.452E-01
30.00	1.80	6.00	2.830E-02	9.006E-06	7.636E-01
30.00	2.00	2.00	2.414E-02	3.255E-04	4.708E-01
30.00	2.00	2.25	2.932E-02	2.931E-04	4.943E-01
30.00	2.00	2.50	3.342E-02	2.531E-04	5.176E-01
30.00	2.00	2.75	3.658E-02	2.138E-04	5.405E-01
30.00	2.00	3.00	3.894E-02	1.785E-04	5.632E-01
30.00	2.00	3.25	4.065E-02	1.482E-04	5.857E-01
30.00	2.00	3.50	4.183E-02	1.228E-04	6.081E-01
30.00	2.00	3.75	4.259E-02	1.019E-04	6.303E-01
30.00	2.00	4.00	4.301E-02	8.465E-05	6.520E-01
30.00	2.00	4.25	4.316E-02	7.053E-05	6.734E-01
30.00	2.00	4.50	4.309E-02	5.895E-05	6.945E-01
30.00	2.00	4.75	4.286E-02	4.944E-05	7.153E-01
30.00	2.00	5.00	4.250E-02	4.163E-05	7.359E-01
30.00	2.00	5.25	4.203E-02	3.518E-05	7.561E-01
30.00	2.00	5.50	4.148E-02	2.984E-05	7.761E-01
30.00	2.00	5.75	4.088E-02	2.541E-05	7.959E-01
30.00	2.00	6.00	4.023E-02	2.172E-05	8.154E-01

T_1^*	r_0	θ_0	h	k_e	k_d
30.00	2.20	2.00	3.039E-02	5.921E-04	4.947E-01
30.00	2.20	2.25	3.705E-02	5.372E-04	5.189E-01
30.00	2.20	2.50	4.237E-02	4.669E-04	5.428E-01
30.00	2.20	2.75	4.650E-02	3.966E-04	5.664E-01
30.00	2.20	3.00	4.962E-02	3.329E-04	5.898E-01
30.00	2.20	3.25	5.191E-02	2.777E-04	6.130E-01
30.00	2.20	3.50	5.352E-02	2.311E-04	6.361E-01
30.00	2.20	3.75	5.459E-02	1.924E-04	6.589E-01
30.00	2.20	4.00	5.522E-02	1.604E-04	6.814E-01
30.00	2.20	4.25	5.549E-02	1.341E-04	7.035E-01
30.00	2.20	4.50	5.549E-02	1.124E-04	7.253E-01
30.00	2.20	4.75	5.526E-02	9.452E-05	7.468E-01
30.00	2.20	5.00	5.486E-02	7.977E-05	7.680E-01
30.00	2.20	5.25	5.431E-02	6.757E-05	7.890E-01
30.00	2.20	5.50	5.366E-02	5.744E-05	8.097E-01
30.00	2.20	5.75	5.293E-02	4.901E-05	8.302E-01
30.00	2.20	6.00	5.214E-02	4.197E-05	8.504E-01
30.00	2.40	2.00	3.613E-02	9.374E-04	5.122E-01
30.00	2.40	2.25	4.419E-02	8.563E-04	5.367E-01
30.00	2.40	2.50	5.068E-02	7.488E-04	5.610E-01
30.00	2.40	2.75	5.576E-02	6.395E-04	5.850E-01
30.00	2.40	3.00	5.965E-02	5.392E-04	6.087E-01
30.00	2.40	3.25	6.253E-02	4.517E-04	6.323E-01
30.00	2.40	3.50	6.459E-02	3.774E-04	6.558E-01
30.00	2.40	3.75	6.598E-02	3.152E-04	6.790E-01
30.00	2.40	4.00	6.684E-02	2.637E-04	7.019E-01
30.00	2.40	4.25	6.727E-02	2.210E-04	7.244E-01
30.00	2.40	4.50	6.735E-02	1.858E-04	7.467E-01
30.00	2.40	4.75	6.715E-02	1.566E-04	7.686E-01
30.00	2.40	5.00	6.673E-02	1.325E-04	7.902E-01
30.00	2.40	5.25	6.614E-02	1.124E-04	8.116E-01
30.00	2.40	5.50	6.541E-02	9.578E-05	8.328E-01
30.00	2.40	5.75	6.457E-02	8.187E-05	8.537E-01
30.00	2.40	6.00	6.366E-02	7.022E-05	8.743E-01
30.00	2.60	2.00	4.132E-02	1.349E-03	5.253E-01
30.00	2.60	2.25	5.069E-02	1.240E-03	5.499E-01
30.00	2.60	2.50	5.829E-02	1.091E-03	5.744E-01
30.00	2.60	2.75	6.429E-02	9.361E-04	5.985E-01
30.00	2.60	3.00	6.890E-02	7.927E-04	6.224E-01
30.00	2.60	3.25	7.236E-02	6.666E-04	6.462E-01
30.00	2.60	3.50	7.488E-02	5.589E-04	6.699E-01
30.00	2.60	3.75	7.661E-02	4.683E-04	6.933E-01
30.00	2.60	4.00	7.772E-02	3.929E-04	7.164E-01
30.00	2.60	4.25	7.831E-02	3.302E-04	7.392E-01
30.00	2.60	4.50	7.850E-02	2.782E-04	7.617E-01
30.00	2.60	4.75	7.825E-02	2.351E-04	7.839E-01
30.00	2.60	5.00	7.794E-02	1.993E-04	8.058E-01
30.00	2.60	5.25	7.732E-02	1.695E-04	8.274E-01
30.00	2.60	5.50	7.653E-02	1.446E-04	8.488E-01
30.00	2.60	5.75	7.561E-02	1.238E-04	8.699E-01
30.00	2.60	6.00	7.460E-02	1.064E-04	8.909E-01

T_1^*	γ_0	θ_0	h	k_e	k_d
30.00	2.80	2.00	4.596E-02	1.814E-03	5.352E-01
30.00	2.80	2.25	5.654E-02	1.678E-03	5.599E-01
30.00	2.80	2.50	6.518E-02	1.483E-03	5.843E-01
30.00	2.80	2.75	7.204E-02	1.278E-03	6.086E-01
30.00	2.80	3.00	7.737E-02	1.087E-03	6.325E-01
30.00	2.80	3.25	8.140E-02	9.172E-04	6.564E-01
30.00	2.80	3.50	8.435E-02	7.715E-04	6.801E-01
30.00	2.80	3.75	8.643E-02	6.484E-04	7.036E-01
30.00	2.80	4.00	8.779E-02	5.453E-04	7.268E-01
30.00	2.80	4.25	8.857E-02	4.594E-04	7.497E-01
30.00	2.80	4.50	8.887E-02	3.880E-04	7.723E-01
30.00	2.80	4.75	8.880E-02	3.285E-04	7.946E-01
30.00	2.80	5.00	8.841E-02	2.790E-04	8.166E-01
30.00	2.80	5.25	8.778E-02	2.377E-04	8.384E-01
30.00	2.80	5.50	8.696E-02	2.032E-04	8.599E-01
30.00	2.80	5.75	8.598E-02	1.743E-04	8.812E-01
30.00	2.80	6.00	8.489E-02	1.499E-04	9.023E-01
30.00	3.00	2.00	5.009E-02	2.318E-03	5.428E-01
30.00	3.00	2.25	6.179E-02	2.156E-03	5.674E-01
30.00	3.00	2.50	7.140E-02	1.914E-03	5.918E-01
30.00	3.00	2.75	7.908E-02	1.657E-03	6.160E-01
30.00	3.00	3.00	8.507E-02	1.414E-03	6.400E-01
30.00	3.00	3.25	8.965E-02	1.198E-03	6.638E-01
30.00	3.00	3.50	9.304E-02	1.010E-03	6.876E-01
30.00	3.00	3.75	9.546E-02	8.515E-04	7.110E-01
30.00	3.00	4.00	9.708E-02	7.180E-04	7.342E-01
30.00	3.00	4.25	9.804E-02	6.063E-04	7.571E-01
30.00	3.00	4.50	9.848E-02	5.131E-04	7.797E-01
30.00	3.00	4.75	9.849E-02	4.353E-04	8.021E-01
30.00	3.00	5.00	9.814E-02	3.704E-04	8.242E-01
30.00	3.00	5.25	9.752E-02	3.161E-04	8.460E-01
30.00	3.00	5.50	9.668E-02	2.706E-04	8.676E-01
30.00	3.00	5.75	9.566E-02	2.324E-04	8.889E-01
30.00	3.00	6.00	9.451E-02	2.002E-04	9.100E-01
30.00	3.50	2.00	5.851E-02	3.678E-03	5.554E-01
30.00	3.50	2.25	7.261E-02	3.463E-03	5.796E-01
30.00	3.50	2.50	8.433E-02	3.108E-03	6.037E-01
30.00	3.50	2.75	9.383E-02	2.716E-03	6.276E-01
30.00	3.50	3.00	1.014E-01	2.337E-03	6.513E-01
30.00	3.50	3.25	1.072E-01	1.994E-03	6.748E-01
30.00	3.50	3.50	1.116E-01	1.693E-03	6.983E-01
30.00	3.50	3.75	1.149E-01	1.436E-03	7.216E-01
30.00	3.50	4.00	1.171E-01	1.217E-03	7.446E-01
30.00	3.50	4.25	1.186E-01	1.033E-03	7.673E-01
30.00	3.50	4.50	1.194E-01	8.784E-04	7.898E-01
30.00	3.50	4.75	1.196E-01	7.485E-04	8.120E-01
30.00	3.50	5.00	1.194E-01	6.394E-04	8.340E-01
30.00	3.50	5.25	1.189E-01	5.478E-04	8.558E-01
30.00	3.50	5.50	1.181E-01	4.706E-04	8.773E-01
30.00	3.50	5.75	1.170E-01	4.054E-04	8.985E-01
30.00	3.50	6.00	1.158E-01	3.504E-04	9.196E-01

T_1^*	γ_0	θ_0	h	k_e	k_d
30.00	4.00	2.00	6.476E-02	5.079E-03	5.624E-01
30.00	4.00	2.25	8.079E-02	4.832E-03	5.861E-01
30.00	4.00	2.50	9.425E-02	4.377E-03	6.097E-01
30.00	4.00	2.75	1.053E-01	3.856E-03	6.332E-01
30.00	4.00	3.00	1.141E-01	3.342E-03	6.565E-01
30.00	4.00	3.25	1.211E-01	2.870E-03	6.796E-01
30.00	4.00	3.50	1.264E-01	2.451E-03	7.028E-01
30.00	4.00	3.75	1.304E-01	2.089E-03	7.257E-01
30.00	4.00	4.00	1.333E-01	1.780E-03	7.483E-01
30.00	4.00	4.25	1.353E-01	1.517E-03	7.708E-01
30.00	4.00	4.50	1.364E-01	1.295E-03	7.929E-01
30.00	4.00	4.75	1.370E-01	1.108E-03	8.149E-01
30.00	4.00	5.00	1.370E-01	9.497E-04	8.366E-01
30.00	4.00	5.25	1.366E-01	8.162E-04	8.581E-01
30.00	4.00	5.50	1.358E-01	7.033E-04	8.794E-01
30.00	4.00	5.75	1.348E-01	6.076E-04	9.005E-01
30.00	4.00	6.00	1.335E-01	5.265E-04	9.213E-01
30.00	4.50	2.00	6.943E-02	6.443E-03	5.664E-01
30.00	4.50	2.25	8.701E-02	6.187E-03	5.896E-01
30.00	4.50	2.50	1.019E-01	5.650E-03	6.127E-01
30.00	4.50	2.75	1.142E-01	5.013E-03	6.357E-01
30.00	4.50	3.00	1.242E-01	4.372E-03	6.585E-01
30.00	4.50	3.25	1.322E-01	3.775E-03	6.812E-01
30.00	4.50	3.50	1.383E-01	3.241E-03	7.039E-01
30.00	4.50	3.75	1.430E-01	2.775E-03	7.264E-01
30.00	4.50	4.00	1.465E-01	2.374E-03	7.487E-01
30.00	4.50	4.25	1.489E-01	2.032E-03	7.708E-01
30.00	4.50	4.50	1.505E-01	1.741E-03	7.926E-01
30.00	4.50	4.75	1.513E-01	1.494E-03	8.143E-01
30.00	4.50	5.00	1.516E-01	1.284E-03	8.357E-01
30.00	4.50	5.25	1.513E-01	1.107E-03	8.569E-01
30.00	4.50	5.50	1.507E-01	9.563E-04	8.779E-01
30.00	4.50	5.75	1.497E-01	8.283E-04	8.987E-01
30.00	4.50	6.00	1.485E-01	7.193E-04	9.193E-01
30.00	5.00	2.00	7.295E-02	7.731E-03	5.687E-01
30.00	5.00	2.25	9.179E-02	7.485E-03	5.913E-01
30.00	5.00	2.50	1.079E-01	6.885E-03	6.139E-01
30.00	5.00	2.75	1.213E-01	6.147E-03	6.365E-01
30.00	5.00	3.00	1.323E-01	5.392E-03	6.588E-01
30.00	5.00	3.25	1.411E-01	4.679E-03	6.811E-01
30.00	5.00	3.50	1.480E-01	4.036E-03	7.034E-01
30.00	5.00	3.75	1.534E-01	3.470E-03	7.255E-01
30.00	5.00	4.00	1.574E-01	2.979E-03	7.474E-01
30.00	5.00	4.25	1.602E-01	2.558E-03	7.691E-01
30.00	5.00	4.50	1.621E-01	2.199E-03	7.906E-01
30.00	5.00	4.75	1.633E-01	1.892E-03	8.119E-01
30.00	5.00	5.00	1.638E-01	1.631E-03	8.330E-01
30.00	5.00	5.25	1.637E-01	1.409E-03	8.539E-01
30.00	5.00	5.50	1.632E-01	1.221E-03	8.746E-01
30.00	5.00	5.75	1.623E-01	1.059E-03	8.951E-01
30.00	5.00	6.00	1.611E-01	9.219E-04	9.154E-01

T_1^*	γ_0	θ_0	h	k_0	k_1
30.00	6.00	2.00	7.764E-02	1.003E-02	5.704E-01
30.00	6.00	2.25	9.838E-02	9.850E-03	5.921E-01
30.00	6.00	2.50	1.164E-01	9.172E-03	6.138E-01
30.00	6.00	2.75	1.315E-01	8.278E-03	6.355E-01
30.00	6.00	3.00	1.441E-01	7.331E-03	6.570E-01
30.00	6.00	3.25	1.543E-01	6.416E-03	6.785E-01
30.00	6.00	3.50	1.625E-01	5.577E-03	7.000E-01
30.00	6.00	3.75	1.690E-01	4.829E-03	7.213E-01
30.00	6.00	4.00	1.739E-01	4.173E-03	7.425E-01
30.00	6.00	4.25	1.776E-01	3.604E-03	7.635E-01
30.00	6.00	4.50	1.802E-01	3.114E-03	7.843E-01
30.00	6.00	4.75	1.819E-01	2.693E-03	8.050E-01
30.00	6.00	5.00	1.829E-01	2.333E-03	8.255E-01
30.00	6.00	5.25	1.832E-01	2.024E-03	8.458E-01
30.00	6.00	5.50	1.830E-01	1.760E-03	8.659E-01
30.00	6.00	5.75	1.823E-01	1.532E-03	8.858E-01
30.00	6.00	6.00	1.813E-01	1.339E-03	9.056E-01
30.00	8.00	2.00	8.191E-02	1.359E-02	5.697E-01
30.00	8.00	2.25	1.049E-01	1.363E-02	5.899E-01
30.00	8.00	2.50	1.253E-01	1.294E-02	6.101E-01
30.00	8.00	2.75	1.428E-01	1.187E-02	6.304E-01
30.00	8.00	3.00	1.576E-01	1.067E-02	6.506E-01
30.00	8.00	3.25	1.699E-01	9.464E-03	6.708E-01
30.00	8.00	3.50	1.800E-01	8.325E-03	6.909E-01
30.00	8.00	3.75	1.882E-01	7.286E-03	7.110E-01
30.00	8.00	4.00	1.946E-01	6.358E-03	7.310E-01
30.00	8.00	4.25	1.997E-01	5.541E-03	7.508E-01
30.00	8.00	4.50	2.034E-01	4.828E-03	7.705E-01
30.00	8.00	4.75	2.061E-01	4.208E-03	7.901E-01
30.00	8.00	5.00	2.079E-01	3.671E-03	8.095E-01
30.00	8.00	5.25	2.090E-01	3.206E-03	8.287E-01
30.00	8.00	5.50	2.094E-01	2.805E-03	8.479E-01
30.00	8.00	5.75	2.092E-01	2.458E-03	8.668E-01
30.00	8.00	6.00	2.086E-01	2.158E-03	8.856E-01
30.00	10.00	2.00	8.313E-02	1.610E-02	5.676E-01
30.00	10.00	2.25	1.074E-01	1.642E-02	5.866E-01
30.00	10.00	2.50	1.291E-01	1.580E-02	6.057E-01
30.00	10.00	2.75	1.481E-01	1.468E-02	6.249E-01
30.00	10.00	3.00	1.644E-01	1.335E-02	6.441E-01
30.00	10.00	3.25	1.781E-01	1.195E-02	6.633E-01
30.00	10.00	3.50	1.896E-01	1.061E-02	6.825E-01
30.00	10.00	3.75	1.990E-01	9.361E-03	7.016E-01
30.00	10.00	4.00	2.066E-01	8.230E-03	7.206E-01
30.00	10.00	4.25	2.126E-01	7.221E-03	7.396E-01
30.00	10.00	4.50	2.173E-01	6.331E-03	7.584E-01
30.00	10.00	4.75	2.208E-01	5.550E-03	7.771E-01
30.00	10.00	5.00	2.234E-01	4.867E-03	7.957E-01
30.00	10.00	5.25	2.251E-01	4.273E-03	8.142E-01
30.00	10.00	5.50	2.260E-01	3.755E-03	8.325E-01
30.00	10.00	5.75	2.263E-01	3.305E-03	8.508E-01
30.00	10.00	6.00	2.262E-01	2.914E-03	8.688E-01

T_1^*	γ_0	θ_0	h	k_e	k_d
30.00	20.00	2.00	7.990E-02	2.180E-02	5.583E-01
30.00	20.00	2.25	1.057E-01	2.331E-02	5.743E-01
30.00	20.00	2.50	1.298E-01	2.337E-02	5.905E-01
30.00	20.00	2.75	1.517E-01	2.252E-02	6.068E-01
30.00	20.00	3.00	1.712E-01	2.113E-02	6.232E-01
30.00	20.00	3.25	1.882E-01	1.948E-02	6.397E-01
30.00	20.00	3.50	2.030E-01	1.774E-02	6.562E-01
30.00	20.00	3.75	2.156E-01	1.603E-02	6.727E-01
30.00	20.00	4.00	2.263E-01	1.440E-02	6.892E-01
30.00	20.00	4.25	2.353E-01	1.288E-02	7.056E-01
30.00	20.00	4.50	2.427E-01	1.150E-02	7.221E-01
30.00	20.00	4.75	2.488E-01	1.025E-02	7.384E-01
30.00	20.00	5.00	2.536E-01	9.135E-03	7.547E-01
30.00	20.00	5.25	2.574E-01	8.136E-03	7.709E-01
30.00	20.00	5.50	2.603E-01	7.249E-03	7.871E-01
30.00	20.00	5.75	2.624E-01	6.462E-03	8.032E-01
30.00	20.00	6.00	2.637E-01	5.765E-03	8.191E-01
30.00	40.00	2.00	7.270E-02	2.457E-02	5.497E-01
30.00	40.00	2.25	9.757E-02	2.736E-02	5.633E-01
30.00	40.00	2.50	1.221E-01	2.843E-02	5.773E-01
30.00	40.00	2.75	1.450E-01	2.827E-02	5.914E-01
30.00	40.00	3.00	1.660E-01	2.728E-02	6.057E-01
30.00	40.00	3.25	1.850E-01	2.580E-02	6.200E-01
30.00	40.00	3.50	2.019E-01	2.405E-02	6.344E-01
30.00	40.00	3.75	2.168E-01	2.218E-02	6.489E-01
30.00	40.00	4.00	2.298E-01	2.031E-02	6.634E-01
30.00	40.00	4.25	2.411E-01	1.850E-02	6.779E-01
30.00	40.00	4.50	2.508E-01	1.679E-02	6.924E-01
30.00	40.00	4.75	2.591E-01	1.519E-02	7.068E-01
30.00	40.00	5.00	2.660E-01	1.372E-02	7.213E-01
30.00	40.00	5.25	2.718E-01	1.238E-02	7.357E-01
30.00	40.00	5.50	2.766E-01	1.117E-02	7.501E-01
30.00	40.00	5.75	2.804E-01	1.007E-02	7.644E-01
30.00	40.00	6.00	2.834E-01	9.080E-03	7.787E-01
30.00	60.00	2.00	6.733E-02	2.522E-02	5.455E-01
30.00	60.00	2.25	9.200E-02	2.867E-02	5.581E-01
30.00	60.00	2.50	1.162E-01	3.036E-02	5.709E-01
30.00	60.00	2.75	1.393E-01	3.069E-02	5.840E-01
30.00	60.00	3.00	1.607E-01	3.006E-02	5.972E-01
30.00	60.00	3.25	1.803E-01	2.881E-02	6.106E-01
30.00	60.00	3.50	1.980E-01	2.718E-02	6.240E-01
30.00	60.00	3.75	2.138E-01	2.535E-02	6.375E-01
30.00	60.00	4.00	2.279E-01	2.345E-02	6.510E-01
30.00	60.00	4.25	2.402E-01	2.156E-02	6.646E-01
30.00	60.00	4.50	2.510E-01	1.973E-02	6.782E-01
30.00	60.00	4.75	2.604E-01	1.800E-02	6.917E-01
30.00	60.00	5.00	2.684E-01	1.638E-02	7.053E-01
30.00	60.00	5.25	2.752E-01	1.488E-02	7.188E-01
30.00	60.00	5.50	2.810E-01	1.351E-02	7.324E-01
30.00	60.00	5.75	2.858E-01	1.226E-02	7.459E-01
30.00	60.00	6.00	2.897E-01	1.112E-02	7.593E-01

T_1^*	γ_0	θ_0	h	k_e	k_d
30.00	100.00	2.00	6.146E-02	2.538E-02	5.410E-01
30.00	100.00	2.25	8.504E-02	2.955E-02	5.524E-01
30.00	100.00	2.50	1.086E-01	3.195E-02	5.642E-01
30.00	100.00	2.75	1.315E-01	3.292E-02	5.762E-01
30.00	100.00	3.00	1.530E-01	3.280E-02	5.883E-01
30.00	100.00	3.25	1.731E-01	3.192E-02	6.006E-01
30.00	100.00	3.50	1.915E-01	3.054E-02	6.129E-01
30.00	100.00	3.75	2.082E-01	2.886E-02	6.254E-01
30.00	100.00	4.00	2.232E-01	2.701E-02	6.379E-01
30.00	100.00	4.25	2.366E-01	2.510E-02	6.504E-01
30.00	100.00	4.50	2.486E-01	2.320E-02	6.630E-01
30.00	100.00	4.75	2.591E-01	2.137E-02	6.756E-01
30.00	100.00	5.00	2.683E-01	1.962E-02	6.882E-01
30.00	100.00	5.25	2.763E-01	1.797E-02	7.008E-01
30.00	100.00	5.50	2.832E-01	1.644E-02	7.134E-01
30.00	100.00	5.75	2.890E-01	1.502E-02	7.259E-01
30.00	100.00	6.00	2.940E-01	1.371E-02	7.385E-01